



**ROCHESTER AMATEUR RADIO CLUB, INC.**  
P.O. BOX 1, ROCHESTER, MN 55903

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## RARC Club Meetings

Click on a month in the following tables to view the RARC meeting minutes.

### Meeting Minutes - 2016

<b>Month:</b>	<b>Program:</b>
<a href="#">January</a>	Discussion of the survey results from SurveyMonkey
February	-
March	-
April	-
May	-
June	-
July	-
August	No Meeting - Club Picnic
September	-
October	-
November	-
December	RARC Holiday Party & Election of Officers

### Meeting Minutes - 2015

<b>Month:</b>	<b>Program:</b>
<a href="#">January</a>	Looking at desired programs for the rest of the year
<a href="#">February</a>	Peter WOLLN- beam antennas made w/ fishing pole and wire
<a href="#">March</a>	Mike Thompson AE0MT about Arduino and amateur radio projects
<a href="#">April</a>	Program was on digital radio by John and Bill
<a href="#">May</a>	Mel KCØP presented details on his mobile setup
<a href="#">June</a>	Field Day discussion/finalization
<a href="#">July</a>	Fox Hunting information led by Steve Webke
August	No Meeting - Club Picnic
<a href="#">September</a>	New fire station/EOC tour by Ken Jones, Director of Emergency Management
<a href="#">October</a>	Logbook of the World by John, NZ0S
<a href="#">November</a>	ARRL awards programs
<a href="#">December</a>	RARC Holiday Party & Election of Officers

### Meeting Minutes - 2014

<b>Month:</b>	<b>Program:</b>
<a href="#">January</a>	KC0FOW: 2014 Equipment & Infrastructure Update
<a href="#">February</a>	NZ0S: What RARC does well and where we can improve?
<a href="#">March</a>	Presentation by Greg Widin, K0GW, the ARRL Dakota Division Director.
<a href="#">April</a>	<a href="#">EOC tour</a> ; Mike Bromberg, KD0EBO, Assistant Deputy Director of Homeland Security
<a href="#">May</a>	Presentation by Fred Regennitter, K4IU, about contesting.
<a href="#">June</a>	Grant, K1KD, reviewed our Field Day plan.
<a href="#">July</a>	Presentation by Steve, W0STV, about mobile installs, the do's & don'ts.
<a href="#">August</a>	No Meeting ( <a href="#">KØM &amp; Picnic Photo's</a> )
<a href="#">September</a>	Robert KØRDA, presented NIMS, FEMA, and his experience at FEMA
<a href="#">October</a>	Rob KCØFOW discussed DSTAR
<a href="#">November</a>	<ul style="list-style-type: none"> <li>• N4EJ about Remote Control Radio with demonstrations.</li> <li>• KCØUCN about proper grounding.</li> </ul>
<a href="#">December</a>	RARC Holiday Party & Election of Officers

## Meeting Minutes - 2013

<b>Month:</b>	<b>Program:</b>
<a href="#">January</a>	Berry Altman, W6GFN, presented his program on disaster communications
<a href="#">February</a>	Scott Neader, KA9FOX, talking about selling and buying Ham radio gear online
<a href="#">March</a>	Robert KØRDA gave a program on NIMS structure of operations
<a href="#">April</a>	Bill KØRGR had a program on testing members equipment and antennas
<a href="#">May</a>	Field Day plans
<a href="#">June</a>	Scott KØMD set up and operated one of the new Icom radios for field day
<a href="#">July</a>	
<a href="#">August</a>	No Meeting (picnic)
<a href="#">September</a>	Byron KCØNPF presented: using Linux for your other operating system
<a href="#">October</a>	Terry-W0VB gave a presentation on Software Defined Radio.
<a href="#">November</a>	Mankato sky-warn system by Steve-WA2OFZ
<a href="#">December</a>	RARC Holiday Party & Election of Officers

## Meeting Minutes - 2012

<b>Month:</b>	<b>Program:</b>
<a href="#">January</a>	Search for Amelia Earhart's plane was presented by Tom Vinson, NY0V.
<a href="#">February</a>	Adventures of the Brave and Famous by Scott Wright
<a href="#">March</a>	LOG BOOK OF THE WORLD, and logging software.
<a href="#">April</a>	HK0NA DXpedition on Malpelo Island by Glen Johnson.
<a href="#">May</a>	Pat Cahill did a review of information for the VHF contest for June 9th -11th 2012
<a href="#">June</a>	Field Day plans and Dayton Ham-fest highlights

July	Field Day debriefing
August	No Meeting (picnic)
September	Gregory Widin, K0GW, discussed and presentation of the ARRL headquarters
October	Robert Frantz discussed his climbed of 19,000ft Mount Kilimanjaro
November	Dan Fish presented a program on radios from Japan and China.
December	RARC Holiday Party & Election of Officers

## Meeting Minutes - 2011

Month:	Program:
January	VHF+ Operating and Contesting - Mel, KCØP/R
February	Using High-Speed Multimedia Formats for Ham Radio Communications - BJ, KCØNPF
March	January VHF Sweepstakes Results, and June VHF Sweepstakes - Mel, KCØP
April	<a href="#">NBEMS</a> (Narrow Band Emergency Messaging System), and <a href="#">Advanced NBEMS</a> - Bill KØRGR
May	Field Day Planning
June	Haz-Mat Safety - Mike Jacobson
July	Debriefing of June Field Day Event
August	No Meeting
September	Public Service events - Robert KØRDA
October	Rochester EOC Mission
November	Solar panels for alternate energy, by Craig Siegenthaler, AC0WQ
December	RARC Holiday Party

## Meeting Minutes - 2010

Month:	Program:
January	<a href="#">Trunked Radio Systems</a> - Robert, KØRDA
February	<a href="#">Paul Bittner WØAIH</a> , from Eau Claire, presents his superstation
March	Receive Antennas - Peter, N8MHD
April	SKYWARN, EOC, and Emergency Services - Steve WØSTV
May	Moonbounce and Digital Modes with VHF and UHF - Terry WØVB
June	Field Day Planning
July	Field Day Debriefing and SKYWARN activity discussion
August	RARC Annual Club Picnic
September	DX Spotting and Reverse Beacons - Peter WØLLN
October	D-STAR - Rob KCØFOW
November	<a href="#">"Two Crappie Poles and Some Wire"</a> - Niel WØVLZ
December	RARC Holiday Party

## Meeting Minutes - 2009

<b>Month:</b>	<b>Program:</b>
January	Antenna Modeling - Peter, N8MHD
February	APRS MicroTrak Systems - Robert KØRDA
March	Field Day Planning - Dave KØVH
April	WØDXCC - Scott KØMD
May	
June	
July	Volunteer needs for the WØDXCC event
August	RARC Annual Club Picnic
September	Desecheo Dxpediton - Grant K1KD
October	College for Kids
November	Moxon Rectangle, Hexbeam, and SpiderBeam Antennas - Peter N8MHD
December	RARC Holiday Party

## Meeting Minutes - 2008

<b>Month:</b>	<b>Program:</b>
January	Midwest Summer HamConvention proposal presented by Stan KDØBQ, Scott KØMD, KariAnn KCØWIP, and the Rochester Convention and Vistors Bureau
February	Tax implication for volunteering your time in amateur radio - Charlie WØTAX
March	RARExpo and Dakota Division Convention Information - Jay Bellows KØQB Caribbean DXpedition - Scott KØMD
April	RARExpo Update and RCTC Tour - RARExpo Committee Chairs
May	FDMDV - Bob, ABØBW
June	Field Day - Dave KØVH
July	Emergency Preparedness - Ralph Bierbaum, NØAWN, from Shoreview, MN
August	RARC Annual Club Picnic
September	Internet Basics - Robert KØRDA Rushford Emergency Drills - Bob ABØBW
October	Rushford Drills Post Assessment - Bob ABØBW Minnesota Youth in Amateur Radio Council - Phil Brunson College for Kids - Jerry Nau
November	HF amplifiers - Stan AIØM How to work digital modes and APRS for free - Robert KØRDA
December	RARC Holiday Party

## Meeting Minutes - 2007

<b>Month:</b>	<b>Program:</b>
January	Introduction to Ham Radio
February	Skip Jackson, ARRL Section Manager
March	PSK-31 Bob, ABØBW
April	Pandemic Planning - Brenda Zeibell of the American Red Cross

May	Ham Radio 101
June	Field Day
July	Field Day Report - Pat NØADQ
August	RARC Annual Club Picnic
September	Ham Radio in China - Scott KØMD ARES Flood Response - Bob ABØBW
October	Contesting - Bill ACØW from Austin, MN and the Minnesota Wireless Association
November	This month's meeting was held at Schaeffer Academy: <ul style="list-style-type: none"> <li>• Jerry Nau from College for Kids thanked the club and provided refreshments</li> <li>• Radio City provided a display for ham on a lower budget</li> <li>• Scott KØMD presented 2007 Field Day results</li> <li>• Dan from Radio City presented D-STAR</li> <li>• A new ICOM 718 HF radio was dedicated to the Schaeffer Academy school club</li> </ul>
December	RARC Holiday Party

## Meeting Minutes - 2006

<b>Month:</b>	<b>Program:</b>
January	Ham Radio Videos - John KØKTY
February	NVIS - Bill KØRGR
March	Propagation - Mel KCØP
April	EOC - Jon NØWYH
May	Vintage Homebrew - Niel WØVLZ
June	Contesting - Peter N8MHD
July	Harris Amps - Bob KEØJJ
August	RARC Annual Club Picnic
September	Disaster Assessment Workshop - Red Cross
October	Digital Update - Bill (KØRGR)
November	Doing More with Amateur Radio for Less - Brad (AIØBP)
December	RARC Christmas Party

## Meeting Minutes - 2005

<b>Month:</b>	<b>Program:</b>
January	J-Pole Antennas - Brad KCØQVH
February	RF Safety - John KØKTY
March	QRP Operating and Elecraft Radios - Dave KØVH and Peter N8MHD
April	Kit Building Projects
May	APRS - Bob, KCØGND
June	RARC 2005 Field Day - Pat, NØADQ
July	800 MHz Public Service System - Dave, NØRPD
August	RARC Annual Picnic

<a href="#">September</a>	ARES - Bob ABØBW and Steve WØSTV
<a href="#">October</a>	Civil Air Patrol - Greg, KCØEEU
<a href="#">November</a>	Software Define Radios (SDR) - Terry WØVB
<a href="#">December</a>	Holiday Party

### Meeting Minutes - 2004

<b>Month:</b>	<b>Program:</b>
<a href="#">January</a>	Logbook Of The World (LotW) - Fred, K4IU
<a href="#">February</a>	Red Cross Disaster Communications - Dave, K7CJO
<a href="#">March</a>	BPL Trial - RPU Representatives
<a href="#">April</a>	The World of 10 GHz - Mel, KCØ
<a href="#">May</a>	RARC 2004 Field Day - Pat, NØADQ
<a href="#">June</a>	APRS - NØHZN
<a href="#">July</a>	Digital Modes - ABØBW and KØRGR
<a href="#">August</a>	RARC Annual Picnic
<a href="#">September</a>	Club Equipment Review - Pat, NØADQ
<a href="#">October</a>	Working DX - Stew, WØSHL
<a href="#">November</a>	Phased Vertical Antennas - Peter, N8MHD
<a href="#">December</a>	Holiday Party Red Cross Disaster Relief, KCØJOO

### Meeting Minutes - 2003

<b>Month:</b>	<b>Program:</b>
<a href="#">January</a>	VHF Contest - Mel KCØP and Terry WØVB
<a href="#">February</a>	<a href="#">Kits and Kit Building - Tony AAØSM and Niel WØVLZ</a>
<a href="#">March</a>	APRS Trackers - John NØHZN
<a href="#">April</a>	ARES Update - Steve WØSTV and Don ADØF
<a href="#">May</a>	Field Day Plans - Pat, NØADQ
<a href="#">June</a>	ARRL "Amateur Radio Today" Video With Walter Cronkite
<a href="#">July</a>	Virtual Station Tours
<a href="#">August</a>	Annual Club Picnic
<a href="#">September</a>	Red Cross Disaster Projects - Don, ADØF
<a href="#">October</a>	146.82 Repeater Operation Update - John, NØHZN
<a href="#">November</a>	<a href="#">Television Studio Tour - Randy Brock, NØNVH</a>
<a href="#">December</a>	RARC Holiday Party

### Meeting Minutes - 2002

<b>Month:</b>	<b>Program:</b>
<a href="#">January</a>	Computer Logging Software - Pat NØADQ, Stew WØSHL and Dave KØVH
<a href="#">February</a>	National Weather Service and Ham Radio Operations - Todd Shea, NWS
<a href="#">March</a>	Virtual Tour of RARC Repeaters - John, NØHZN

<a href="#">April</a>	Radio Direction Finding - Steve WØSTV, Bob KCØGND and Bob ABØBW
<a href="#">May</a>	Rochester Public Utility (RPU) Facility Tour
<a href="#">June</a>	Field Day 2002 - Pat, NØADQ
<a href="#">July</a>	Discussion by Jay Bellows, KØQB, ARRL Dakota Division Director
<a href="#">August</a>	<a href="#">Annual Club Picnic</a>
<a href="#">September</a>	Repeater Internet Linking - Bill, KØRGR
<a href="#">October</a>	Working Ham Radio Satellites - Fant, AA5F
<a href="#">November</a>	Advanced APRS - Tony AAØSM and Bob NØEST
<a href="#">December</a>	RARC Holiday Party

## Meeting Minutes - 2001

<b>Month:</b>	<b>Program:</b>
<a href="#">January</a>	HF Mobile Operation - Pat, NØADQ
<a href="#">February</a>	Emergency Services Update - Dave, WØEAS
<a href="#">March</a>	<a href="#">QRP Low Power Operation - AAØSM</a>
<a href="#">April</a>	<a href="#">PSK31 Operation - Dave KØVH and Bob KCØIDR</a>
<a href="#">May</a>	Emergency Operations Center (EOC) Tour - WØEAS
<a href="#">June</a>	RARC Field Day - NØADQ and KCØP
<a href="#">July</a>	Bhutan DXpedition by Glenn WØGJ (Video tape)
<a href="#">August</a>	Annual Club Picnic
<a href="#">September</a>	Internet Amateur Radio Resources by Terry WØVB
<a href="#">October</a>	Latest Technology In Town by Terry WØVB
<a href="#">November</a>	Putting Up A Tower - WØSHL
<a href="#">December</a>	<a href="#">Bhutan DXpedition - NØADQ</a>

## Meeting Minutes - 2000

<b>Month:</b>	<b>Program:</b>
<a href="#">January</a>	<a href="#">Amateur radio history and vintage radios - WØVLZ and KCØP</a>
<a href="#">February</a>	<a href="#">Folding Hamfest flyers.</a>
<a href="#">March</a>	Demonstration of Kenwood D700A - NØEST
<a href="#">April</a>	Review of recent license changes - KØSIR Changes at EOC - WØEAS
<a href="#">May</a>	None
<a href="#">June</a>	Plans for Field Day 2000 - NØADQ
<a href="#">July</a>	Tour of KTTC Television
<a href="#">August</a>	<a href="#">Annual RARC Picnic</a>
<a href="#">September</a>	<a href="#">Hot Air Ballooning - WAØVEZ</a>
<a href="#">October</a>	Repeater Autopatch and Remote Base Operation - NØHZN
<a href="#">November</a>	<a href="#">Albuquerque Hot Air Balloon Fiesta Video - WAØVEZ</a>
<a href="#">December</a>	Holiday Pizza Party

## Meeting Minutes - 1999

<b>Month:</b>	<b>Program:</b>
<a href="#">January</a>	"Federal pre-emption" discussion - K7CJO
<a href="#">February</a>	Folding Hamfest flyers
<a href="#">March</a>	Home brew projects - WØVLZ and KCØP
<a href="#">April</a>	Skywarn and EOC Updates - WØEAS
<a href="#">May</a>	ARES Go Packs - KBØPSS
<a href="#">June</a>	APRS Demonstration - NØEST
<a href="#">July</a>	None
<a href="#">August</a>	Annual RARC Picnic
<a href="#">September</a>	
<a href="#">October</a>	Heard Island DXpedition - WØGJ
<a href="#">November</a>	Amateur Radio and Motor Sports - KCØFOU
<a href="#">December</a>	Holiday Pizza Party

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*last updated: Dec 26, 2015*





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### Facilities

- ▶ [APRS Digipeaters](#)
- ▶ [FM Voice Repeaters](#)
- ▶ [WØSTV Echolink Node](#)
- ▶ [ABØBW IRLP Node](#)

### Activities

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### Other Information

- ▶ [Amateur Radio](#)

The Rochester Amateur Radio Club, Inc. (RARC) is [ARRL](#) affiliated and located in [Rochester, Minnesota](#). The Club's mission is to: advance general interest and knowledge of amateur radio, promote cooperation and exchange information exchange between members, conduct club programs, and provide public service support for community activities. The Club is a Minnesota non-profit corporation and has 501(c)(3) tax exempt status by the Internal Revenue Service.



The club meets on the second Tuesday of each month at time and place announced below. Visitors are welcome to attend.

### RARC Monthly Meeting - March 8, 2016

The next Rochester Amateur Radio Club (RARC) monthly meeting is at **6:30 p.m.** on the above date, at the [new Rochester Fire Station No. 2](#), southwest of the intersection of [Viola Road NE](#) and [East Circle Drive \[Cty 22\] NE](#) ([map](#)), in Rochester.

### Latest RARC Meeting Minutes - January 2016

If you were unable to attend any previous RARC monthly meeting, you can find the RARC Meeting Minutes on the [RARC Club Meetings](#) page.

### Monthly Informal Social Event

- When: **last Thursday** each month
- Time: 5:30 p.m. until 7:30 p.m.
- [Wildwood Sports Bar and Grill](#), 1517 16th St SW, Rochester, MN ([map](#))
- Contact: [Steve WØSTV](#); talk-in on 146.820 repeater.



Family, guests, and visitors are welcome to attend!

### RARC on Other Media

RARC now has a [mailing list on Yahoo!](#). This is a great way to stay in contact with the club.

RARC on Facebook



[Click to join rochester\\_hams](#)




[Click logo to go to Facebook/RARC](#)

## Web Links

- ▶ [Area Frequency Directory](#)
- ▶ [MN Mobile Scanner Law](#)
- ▶ [IBM/Rochester Radio Club](#)

## Miscellaneous Items

Additional RARC news and information:

- [PayPal option to donate or pay dues to RARC](#)
- **ARES Resources**
  - [2016 Net Control Schedule](#)
  - [Net Control Station Preamble/Postamble Text](#)
  - [File your ARES report on the net here](#)
  - [ARES Simplex Frequency List](#)
-  [ARRL Amateur Radio News](#)

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*Last update: Feb 10, 2016*

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## Nets and Meetings

Note: All times are local (CST/DST) unless stated otherwise.

### Daily

12:00 p.m., 5:30 p.m.  
ARRL MN Section Phone Net  
Frequency 3.860 MHz

6:30 p.m. 9:50 p.m.  
ARRL MN Section CW Net  
Frequency 3.605 MHz

11:30 a.m., M-F only  
Very Informal Net  
146.625 repeater

### • Sunday

9:00 p.m.  
ARES Emergency Services Net  
146.820/146.220 WØMXW repeater  
Net Coordinator: [KCØFOW](#)

### • Monday

9:00 p.m.  
Olmsted SKYWARN Net 147.255/147.855 WØEAS repeater (tone access 100.0 Hz)  
The net only meets Monday *following any Skywarn activation* during the prior week.  
Net Coordinator: [WØSTV](#)

### • Tuesday

5:30 p.m.  
Informal Dinner Meeting  
Meet at John Hardy's South, 1940 Broadway South, Rochester  
every second Tuesday before Club meetings. Call on 146.82 for talk-in.

8:00 p.m.  
Ten Meter Net meets on 28.325 SSB every Tuesday - except Club nights. Stop on by and exercise those new Ten Meter privileges for all Techs. You new Generals should stop on by too! As Ten Meters will be a great DX site in the coming years of the Solar Cycle.

- **Thursday**

8 p.m.

Minnesota digital ARES Net

3583.5 kHz USB frequency, Olivia 8/500 mode.

9:00 p.m.

Southeast Minnesota Digital Net

The Southeast Minnesota Digital Net meets every Thursday at 9 p.m. local time on the 147.255 (PL100) repeater. The net uses NBEMS protocol, FLDIGI, FLWRAP and FLMSG software to practice sending and receiving digital messages using the MT-63/2000 protocol, with long interleave and extended characters. The current version of FLDIGI should have the proper defaults for MT-63/2K. We take voice checkins for those who can't participate on MT-63. NBEMS stands for 'Narrow Band Emergency Messaging System'. It is becoming a widely accepted standard for amateur emcomm digital communications. These tutorials show how to set up and use NBEMS: [Narrow Band Emergency Messaging Software \(NBEMS\)](#)

Net Coordinator: [KØRGR](#)

- **Saturday**

7:00 a.m.

Informal Breakfast Meeting

Grandma's Restaurant, Silver Lake Shopping Center, North Broadway, Rochester

Call on 146.82 for talk-in.

- **Saturday**

1600 UTC

IBM Net

14.270 MHz

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*Last update: October 9 2012*



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## RARC Members

The following is a list of RARC club members as of February 3, 2016.

### Need to pay your dues?

Cash		Check		Charge	
In Person	In Person	Mail to: RARC, P.O. Box 1 Rochester, MN 55903		In Person	<a href="#">Online via PayPal</a> (no account required)

[A Calls](#) | [K Calls](#) | [N Calls](#) | [W Calls](#)

### A Calls

- [AB0BW](#), Bob Wiles, Individual, 2016
- [AB0DE](#), Steven Altchuler, Individual, 2016
- [AC0ID](#), Daryl Mowrer, Individual, 2015
- [AC0TA](#), Kevin, Adler, Individual, 2015
- [AD0IS](#), Bob Miller, Family, 2015

[A Calls](#) | [K Calls](#) | [N Calls](#) | [W Calls](#)

### K Calls

- [KOELW](#), Ellis Workman, Individual, 2016
- [KOJER](#), Jerrie Hayes, Family Member, 2016
- [KOMD](#), Dr. Scott Wright, Individual, 2016
- [KOOMI](#), Matt Gilbertson, Individual, 2016
- [KORDA](#), Robert Andrews, Individual, 2016
- [KORGR](#), Bill Osler, Individual, 2017
- [KOSIR](#), Bob Dubke, Individual, 2015
- [KOSLR](#), John Walsh, Individual, 2015
- [K0UC](#), Brady Palmquist, Family Member, 2016
- [K0UH](#), Judy Regennitter, Family Member, 2016
- [K0VH](#), Dave Naatz, Individual, 2016
- [K3TEK](#), Ed Duffy, Individual, 2017
- [K4IU](#), Fred Regennitter, Family, 2016
- [K9ADX](#), Steve Keidl, Individual, 2015
- [KA0MYG](#), John Dalin, Individual, 2016
- [KA0RTB](#), Cathlene Nordstrom, Family, 2015
- [KA0RTM](#), Michael Nordstrom, Family Member, 2015
- [KB0GT](#), Robert Meyer, Individual, 2015

- [KB0KOA](#), Barb Philip, Individual, 2015
- [KB0SZW](#), Philip Sims, Individual, 2015
- [KB0VLR](#), Chris Heath, Individual, 2015
- [KB0WDI](#), Gena Cahill, Family Member, 2017
- [KB0WDK](#), Glenn Richards, Individual, 2015
- [KC0CJP](#), Drew Naatz, Individual, 2016
- [KC0FOW](#), Rob Richter, Individual, 2016
- [KC0GND](#), Bob Hart, Individual, 2016
- [KC0JKO](#), Rob DeRemer, Individual, 2016
- [KC0JKP](#), Arthur Daniels, Individual, 2016
- [KC0NPF](#), BJ Watts, Family, 2015
- [KC0P](#), Melvyn Larson, Family, 2016
- [KC0QGB](#), Don Borland, Family, 2016
- [KC0TST](#), Don Jungwirth, Individual, 2016
- [KC0UCN](#), Dave Seavy, Individual, 2015
- [KC0VIN](#), Mike McMaster, Individual, 2015
- [KC0VIQ](#), Dennis Edholm, Individual, 2018
- [KC0WIJ](#), Bryan Borland, Family Member, 2016
- [KC0WIM](#), William Gorder, Individual, 2015
- [KC2D](#), Chung Meng, Individual, 2016
- [KD0EBU](#), Kristin Lee, Individual, 2016
- [KD0EZK](#), Jason Richter, Student, 2016
- [KD0HTC](#), CJ Luck, Individual, 2015
- [KD0MOE](#), Emily Mackey, Family Member, 2015
- [KD0ORN](#), Kent Klein, Individual, 2016
- [KD0ORO](#), Jim Koelsch, Individual, 2015
- [KD0ORR](#), James Miller, Individual, 2015
- [KD0RZX](#), Dario Gherbaz, Individual, 2016
- [KD0WMA](#), Dave Nissen, Individual, 2016
- [KD0ZBW](#), Bruan Rognholt, Individual, 2016
- [KD2RJK](#), Robert Klinshaw, Individual, 2016
- [KE0AOL](#), Barbara Litsenberger, Family Member, 2015
- [KE0DDX](#), Barry Brigham, Individual, 2016
- [KE0EMJ](#), Kelly Boles, Individual, 2016
- [KE0EML](#), Michael Hughes, Individual, 2016
- [KE0EQT](#), Sharon Lubahn, Individual, 2016
- [KE0EXE](#), Robert Andre, Individual, 2016
- [KE0FMX](#), Rhyse Jensen-Gorham, Individual, 2016
- [KF0S](#), Eric Van Norman, Individual, 2015
- [KF6QEO](#), John Guillory, Individual, 2016
- [KG0KJ](#), Thomas Rueber, Individual, 2016
- [KK6BZB](#), Brandon Todd, Individual, 2015
- [KM0PT](#), Paul Thompson, Individual, 2015
- [KN0CKS](#), Peter Crowley, Individual, 2015

[A Calls](#) | [K Calls](#) | [N Calls](#) | [W Calls](#)

## N Calls

- [N0HZN](#), John Scott, Individual, 2016
- [N0HZO](#), Carol Larsen, Family Member, 2016
- [N0KZO](#), Daniel Musall, Family, 2016
- [N0MGY](#), Michael Robinson, Individual, 2016

[N0SPN](#), Danny Stroh, Individual, 2015

- [N0ZOD](#), Gary Peterson, Individual, 2015
- [NR0N](#), Thomas Chrisope, Individual, 2016
- [N4EJ](#), Paul Perrone, Individual, Lifetime
- [N7EXL](#), Robert Evans, Individual, 2015
- [N9XQ](#), Mark Hansen, Individual, 2015
- [NZ0S](#), John Somheil, Individual, 2016

[A Calls](#) | [K Calls](#) | [N Calls](#) | [W Calls](#)

## W Calls

- [W0AMB](#), Rich Siglow, Individual, 2016
- [W0ASG](#), Alec Gilbertson, Individual, 2017
- [W0BJS](#), Berny Saletel, Individual, 2016
- [W0BM](#), Pat Cahill, Family, 2017
- [W0CAY](#), Elise Musall, Family Member, 2016
- [W0KOA](#), Roger Philip, Individual, 2015
- [W0LLN](#), Peter Wollen, Individual, 2016
- [W0MN](#), Gil Baron, Individual, 2016
- [W0STV](#), Steve Wiebke, Individual, 2016
- [W0TMP](#), David Donovan, Individual, 2015
- [W0VLZ](#), Niel Weigand, Individual, 2015
- [W0U](#), Lynn Landin, Individual, 2016
- Randall Trapp, Individual, 2016
- Amy Ransom, Individual, 2016
- Gregory Prunty, Individual, 2015
- Bob Dupke, Individual, 2016

[A Calls](#) | [K Calls](#) | [N Calls](#) | [W Calls](#)

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**ROCHESTER AMATEUR RADIO CLUB, INC.**  
P.O. BOX 1, ROCHESTER, MN 55903

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## Public Service

**Join the fun!**



RARC club members provide communications support for a variety of public service events in the Rochester area. Event sponsors depend upon reliable communications to keep their event running smoothly; from supporting water stops to calling for emergency medical care. As a RARC club member, this is a great way to test your equipment or get your "feet wet" if you are new to ham radio!

Register to participate in a public service event by contacting the event's RARC Event Coordinator, or by clicking the **Sign-up** link below for events that have an on-line sign up sheet available.

The RARC Public Service Chairperson for 2016 is [John, NØHZN](#).

### 2016 Public Service Events

Date	Event	Coordinator	Registration / Post Event Photos	
Feb 6	<a href="#">Optimist Frozen Goose Race</a>	John NØHZN	<a href="#">Sign-up</a>	<a href="#">View</a>
May 20	<a href="#">SOS Run</a>	John NØHZN	<a href="#">Sign-up</a>	<a href="#">View</a>
May 29	<a href="#">Med-City Marathon</a>	Eric KFØS	<a href="#">Sign-up</a>	<a href="#">View</a>
June 4	<a href="#">Chester Woods Trail Run</a>	Steve WØSTV	<a href="#">Sign-up</a>	<a href="#">View</a>
June 19	<a href="#">HyVee Triathlon</a>	John NØHZN	<a href="#">Sign-up</a>	<a href="#">View</a>
June 24	<a href="#">Rochesterfest Parade</a>	Steve WØSTV	<a href="#">Sign-up</a>	<a href="#">View</a>
Aug ??	<a href="#">Harvest Classic</a>	John NØHZN	<a href="#">Sign-up</a>	<a href="#">View</a>
Aug 20	<a href="#">Healthy Human Race</a>	John NØHZN	<a href="#">Sign-up</a>	<a href="#">View</a>
Sept ??	<a href="#">American Diabetes Tour De Cure</a>	John NØHZN	--	
Sept 25	<a href="#">Med City Fall Half, 10K, 5K</a>	John NØHZN	<a href="#">Sign-up</a>	<a href="#">View</a>
Sept ??	<a href="#">Bounce Day</a>	John NØHZN	--	

### 2015 Public Service Events



<b>Date</b>	<b>Event</b>	<b>Coordinator</b>	<b>Registration / Post Event Photos</b>	
Feb 7	<a href="#">Optimist Frozen Goose Race</a>	John NØHZN	--	<a href="#">View</a>
May 15	<a href="#">SOS Run</a>	John NØHZN	--	<a href="#">View</a>
May 24	<a href="#">Med-City Marathon</a>	Eric KFØS	--	<a href="#">View</a>
June 6	<a href="#">Chester Woods Trail Run</a>	Steve WØSTV	--	<a href="#">View</a>
June 21	<a href="#">HyVee Triathlon</a>	John NØHZN	--	<a href="#">View</a>
June 26	<a href="#">Rochesterfest Parade</a>	Steve WØSTV	--	<a href="#">View</a>
Aug 8	<a href="#">Harvest Classic</a>	John NØHZN	--	<a href="#">View</a>
Aug 22	<a href="#">Healthy Human Race</a>	John NØHZN	--	<a href="#">View</a>
Sept 19	<a href="#">American Diabetes Tour De Cure</a>	John NØHZN	--	<a href="#">View</a>
Sept 20	<a href="#">Med City Fall Half, 10K, 5K</a>	John NØHZN	--	<a href="#">View</a>
Sept 26	<a href="#">Bounce Day</a>	John NØHZN	--	<a href="#">View</a>

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*Last update: Jan 13, 2016*



**ROCHESTER AMATEUR RADIO CLUB, INC.**  
P.O. BOX 1, ROCHESTER, MN 55903

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## Emergency Services

Rochester Amateur Radio Club (RARC) members are participants in the Amateur Radio Emergency Service (ARES) to provide communications support during both real and simulated emergencies in Olmsted county and throughout southeast Minnesota.



### RARC ARES

For a fast scroll to a specific item, click on one of the following links.

- [Olmsted County ARES Organization](#)
- [Olmsted County Emergency Services Nets](#)
- [Olmsted County ARES Frequency List](#)
- [NBEMS](#)
- [SKYWARN Severe Weather Spotting](#)

### Olmsted County ARES Organization



The Olmsted county ARES (Amateur Radio Emergency Service) organization provides emergency communications for real and simulated emergency events in southeast Minnesota. The Olmsted county ARES organization provides emergency communications support for Rochester Police Department, Rochester Fire Department, Olmsted County Emergency Management Office, and the American Red Cross.

Rob Richter KCØFOW is the Olmsted county ARES Emergency Coordinator (EC).

Active ARES members are amateur radio operators who have completed an ARES Registration Form. To become an active ARES member, simply complete and return the [ARES Registration Form](#). Download the ARES Registration form PDF file to your PC. Open the PDF form with Adobe Reader. Fill out the form, and return it by doing one of the following:

- Print out the completed form and mail it to

RARC  
P.O. Box 1  
Rochester, MN 55903

- Or, print out the completed form and bring it with you to an RARC club meeting, and deliver it to Rob Richter, KCØFOW
- Or, save the completed PDF form, and email it to Rob Richter.

Participation in ARES activities and nets determines the registered member's position on the ARES A or B teams. All RARC club members are associate members of the Olmsted county ARES organization.

All active ARES members are encouraged to purchase an ARES vest. If you need an ARES vest or would like to become an active ARES member, please contact [Rob KCØFOW](#).



Olmsted county ARES volunteers are available to provide communications support on request by contacting EC Rob Richter, KCØFOW . Please contact the following for additional Minnesota ARES and Olmsted county emergency management information:

- [Skip Jackson, KSØJ](#), Minnesota Section Manager (SM)
- [Daniel D. Anderson, KDØASX](#), Minnesota Section Emergency Coordinator (SEC)
- [Bill Osler, KØRGR](#), Minnesota Southeast District Emergency Coordinator (DEC).
- [Bob Wiles, ABØBW](#), Minnesota District 1 Assistant Emergency Coordinator.
- [Marvin Myers Jr, KCØCLC](#), Dodge County Emergency Coordinator (EC).
- Capt Mike Bromberg, KDØEOB, Director of Homeland Security and Emergency Ops for Olmsted Cty
- Greg Martin, Deputy Emergency Management Director for Olmsted County
- Ken Jones, KD8HPX, Deputy Emergency Management Director for Rochester

ARES and related information links:

- [Minnesota Section ARES](#)
- [District 1 ARES - Southeast Minnesota](#)
- [Olmsted County Emergency Operations Center](#)
- [ARRL Minnesota Section](#)
- The 2012 Emergency Response Guidebook is available on the internet. The book (8.5 Mbytes) can be downloaded to PDAs using an appropriate Adobe reader.
  - [2012 Emergency Response Guidebook](#)
  - [Adobe Reader for Pocket PC](#)
  - [Adobe Reader for Palm OS](#)

## Olmsted County Emergency Services Nets

An ARES net is activated whenever threatening weather or other situations warrant as determined by the National Weather Service office in LaCrosse, Wisconsin, or the Olmsted County Emergency Operations Center. ARES nets are directed nets and all communications is controlled by the net control station (NCS) using a standard set of net operation procedures. Contact Rob Richter, KCØFOW, to become a ARES net control station operator.

The Olmsted county ARES net uses the RARC 146.820 repeater for emergency event activation and information. A CTCSS tone of 136.5 Hz is transmitted on the repeater to notify ARES members during overnight hours. The Olmsted County Emergency Management repeater EOC 147.255 (PL tone 100.0 Hz) is the backup for the 146.820 repeater and is also available to provide additional ARES communications.

During SKYWARN severe weather operations, the EOC 147.255 (PL 100.0 Hz) repeater is used for event activation and information. The RARC 146.820 repeater provides communications backup.

An ARES information and training net is held on Sunday evenings at 9:00 PM local time on the 146.820 repeater. All registered ARES members are required to check into the weekly training net. Any amateur radio operator in the Olmsted county area is also invited to check into the net.

ARES net information links:

- ARES Net Control Station Schedule
  - [ARES NCS Schedule](#)
- ARES Net Control Station Preamble/Postamble Text
  - [ARES Net Control Preamble](#)
- ARRL Message Form [HTML Format PDF Format Microsoft Word Format](#)
- [Emergency Management Grid Maps - Olmsted County and Southeast Minnesota](#)

The Olmsted RACES/SKYWARN net is held on Monday evenings at 9:00 PM local time from Memorial Day to Labor Day. The net meets on the WØEAS 147.255 (PL tone 100.0 Hz) repeater. Items related to emergency communications and SKYWARN are highlights of the net. All amateur radio operators are welcome to check into the net. Comments and discussion suggestions should be sent to [Steve, WØSTV](#).

## Olmsted County ARES Frequency List

Olmsted County ARES Radio Communications Plan

- Olmsted County ARES Frequencies: [VHF](#), [UHF](#), [HF](#).

## NBEMS

NBEMS stands for 'Narrow Band Emergency Messaging System'. It is becoming a widely accepted standard for amateur emcomm digital communications. We use NBEMS in our [Thursday night net](#). These tutorials show how to set up and use NBEMS: [Narrow Band Emergency Messaging Software \(NBEMS\)](#) NEW

## SKYWARN Severe Weather Spotting



Severe weather storm spotting and reporting in Olmsted county is coordinated by the Olmsted County Emergency Management Office.

A SKYWARN weather net is activated when a potential for severe weather is determined by the National Weather Service (NWS) in La Crosse, Wisconsin, and the Olmsted Office of Emergency Operations Center. The WØEAS 147.255 (PL tone 100.0 Hz) repeater is used for SKYWARN nets, with the WØMXW 146.820 repeater providing backup communications. A SKYWARN net, when initiated by the EOC, may be operated from any SKYWARN trained NCS location

until the EOC net control station is activated. Mobile radios are mandatory outside the Rochester city limits and should always be operating on high power.

A [county grid map \(pdf\)](#) or [county grid map \(jpg\)](#) is required to provide spotter locations for severe weather reports. SKYWARN spotters should keep safety in mind when tracking severe weather and always leave an escape route. Never obstruct traffic, park only where it is safe, be visible, and use vehicle hazard lights or other warning lights when parked. Use SKYWARN signs to identify vehicles and do not park on private property. SKYWARN spotters are required to have attended one National Weather Service (NWS) training class, sponsored and coordinated by Olmsted County Emergency Management Office, every two years. All SKYWARN mobile spotters must be 18 years of age or older.

Additional SKYWARN, weather and climate information can be found at:

<http://www.rarchams.org/links.htm#wx> (Use your browser's "back button" to return here.)

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*Last update: Sept 7, 2013*



**ROCHESTER AMATEUR RADIO CLUB, INC.**  
P.O. BOX 1, ROCHESTER, MN 55903

## RARC Meeting Minutes for January 12th, 2016

- Meeting called to order by President, Dan at 633pm
- Treasurer's Report
  - Read by Robert, available for review below
- Minutes from last month's meeting
  - Approved from last month, very brief due to holiday party.

<b>Checking</b>	
Opening Balance	<b>\$7,068.10</b>
<i>Credits</i>	
Dues	\$75.00
<i>Debits</i>	
RPU	\$42.13
Liability Insurance	\$320.00
<b>Closing Balance</b>	<b>\$6,780.97</b>
<b>Savings</b>	
Opening Balance	\$4,692.55
<i>Credits</i>	
Interest	\$0.04
<i>Debits</i>	
<b>Closing Balance</b>	<b>\$4,692.59</b>
<b>Cash on hand</b>	<b>\$40.00</b>
<b>Total</b>	<b>\$11,513.56</b>

- Old business:
  - 82 repeater issues
    - Electrical cost - John NZOS working with KAAL still, has to go through a committee on their end
    - Digipeater renewed for next 5 years
    - Waiting on further action until power and technical issues worked out

- RARC website - moved over in a few days
  - Mostly working with some glitches
  - DNS still needs to be updated
  - Some issues with free sites and web filtering, these may be unavoidable
- Banners to replace missing one
  - Will be here in Rochester this week
  - Next meeting they will be reviewed and placed in appropriate places
  - Sign and sign out sheets will be created
- Adopt a highway program
  - Officially part of this for the next 3 years
  - Signage still being worked on
  - Certificate for participation in this program as well
  - April/May will be first inspection/cleaning
  - Public Service page on RARC website will be used for signup
- Business cards
  - Developed a design, passed around for review
  - Vistaprint was used for print, can print more for additional costs
- VHF Conference Central States
  - WA2VOI - Don Baker is chairman of conference, will come to club for assistance
  - Last full weekend in July - 29th through 31st
  - In Rochester, help will be required from local resources
  - Help to put up antennas, tent, etc.
  - Technical conferences all day Friday and Saturday
  - Banquet Saturday night
  - Sunday conference on VHF weak signal operations
- List of club equipment for disposal
  - Bring to meeting to get donations for members?
  - Peter Wollen - contact for this
- Raffle idea for meetings
  - Purchase raffle tickets and win prize at end of meeting
  - Half of proceeds would go to the club treasury account
  - Other half would be raffled off
  - Would need to be \$99 or less due to gambling commission rules
  - Motion was proposed and passed to do this
  - Steve Webke will be head of raffles/fundraising
- Field Day restaurants/catering
  - Kelly will talk to restaurants about getting free food for Field Day
  - Survey supports free food from restaurants
  - Lunches are important too, not just dinner
  - Some possibilities for pizzas at Saturday setups
- Dues
  - Please get in your dues for 2016 if you have not already.
  - Cash, check, or credit card
  - If you do not get your dues in by the next month you will be removed from the website directory
- Committees/new business:
  - Education
    - Class coming up soon, sign up on website
    - 3 students so far
  - Public Service
    - February 6th is Frozen Goose
    - All public service events on website, sign up if you are interested
  - ARES
    - Section leader leaving soon, new EOC appointed



- Joe K0JCR is new state EOC
- Net control operator
- VE Testing
  - Coming up February 11th at 630p at Red Cross
  - 2 signed up so far
- Tech Committee
  - None this month, will meet next month before meeting at 6p in the same room
  - If anyone is interested in joining please contact Rob
- Contesting
  - Lots of activities coming up
  - Some DX available too
  - K5P is DX on an Atoll
  - Minnesota QSO party Saturday February 6th
  - VHF contest January 30th and 31st - 1p Saturday until 10p Sunday
  - All contests on WA7BNM website
- Field Day
  - 39 responses to survey
  - 26 people answered for Field Day, 10 people skipped question
  - Game Haven -15 votes, Pat's Farm - 11 votes
  - Catered only, no club cost was most votes food wise
  - In room vote Game Haven location received majority of vote as well
  - Review meals next month and then move on to operations
  - Mel KC0P giving VHF station to someone else and working exclusively on satellite contacts
    - Mel showed [www.amsat.org/status](http://www.amsat.org/status) which shows available satellites and helps with contacting them
- Dstar radio deal on Gigaparts - 9880H normally \$450 now \$299
  - May be limited time, also somewhat difficult
- Rochester 10m net
  - First Tuesday of the month 8 o clock
  - 28.325mhz frequency
  - Next one would be February 2nd
- Social evenings remain on the last Thursday of each month
- Meeting adjourned at 730p
- Program for this month was discussion of the survey results from SurveyMonkey

Minutes recorded and reported by Drew, KC0CJP, Secretary.





**ROCHESTER AMATEUR RADIO CLUB, INC.**  
 P.O. BOX 1, ROCHESTER, MN 55903

## RARC Meeting Minutes for January 13th, 2015

- Meeting called to order by President, Dan NOKZO at 6:33pm
- Minutes from last month's meeting
  - Motion to approve minutes was passed
- Treasurer's Report read by Robert
  - See below for details

### Financial Report for December 2014

#### Checking

Beginning Balance 12/01/2014	4140.73	
Credits		
Deposit (checks)	285.70	Dues, equipment sale, donation, United Way
Deposit (PayPal)	39.00	Dues
Deposit (Square Inc)	24.99	Dues
<hr/>		
Total Credits	349.69	
Debits		
Rochester Public Utilities	36.41	
Mercer Consumer	320.00	Liability Insurance
Mercer Consumer	286.00	Equipment Insurance
US Postal Service	80.00	Post Office Box Rental
<hr/>		
Total Debits	722.41	
<b>Ending Balance 12/21/2014</b>	<b>3768.01</b>	

#### Savings

Beginning Balance 12/01/2014	4692.09
Credits	
Interest earned	0.03
Debits (None)	0.00
<hr/>	
<b>Ending Balance 12/31/2014</b>	<b>4692.12</b>

Cash on hand 66.10

- Reports:
  - Technical Committee Report:
    - Did not meet this month
    - For the time being all committee heads will remain the same
    - However, if any committee heads would like to change this would be a good sign to do so

- Rob head of technical committee
- Public Service
  - John Scott head of public service committee
- Education:
  - Bill Ostler head of education committee
  - Technician class end of this month, still looking for more people for this
  - Testing session 1st Thursday of February - coming right up
  - Fee for testing has not changed
- Field Day:
  - Peter is now Field Day committee head
- Vacancy for public relations/outreach officer
- Old business
  - Adopt a highway
    - RARC is currently on waiting list, usually signs are not up until spring
    - Club put in for a few different locations around Rochester
  - RPU - possible donation of free power bill?
    - \$35 per month, equivalent of 16 memberships
    - Around 20% of budget
    - At minimum see if meter charge can be removed, ideally whole bill as well
    - Possible alternative is ~100 watt solar panel and batteries to power the repeater instead
      - Technical committee can examine this idea for practicality
      - Steve will talk to another resource about this as well
  - 82 repeater discussion - concerns about age and condition of tower
    - Look for new site this year?
    - Possible new site would be inside KTTC radar dome
    - Tower cannot be rebuilt at current location
    - Turn 82 into mobile repeater?
    - 625 repeater has excellent range given current location
    - New fire station repeater?
      - Not likely into next year
    - Move 82 over to Dodge county to increase coverage?
    - Armor tower system?
    - Action in 2016 to move repeater?
      - Action keeps getting pushed back, time to act may be this year
  - Patch and logo information
    - Looking at patches and jackets with new RARC logo from Images in Kasson
    - 50 piece order minimum
    - Jacket is \$43.99 for lapel patch or \$88 for back stitched panel and lapel patch
    - Hooded jackets
    - No order minimum, buy whatever you want
    - Water repellent
    - Same color polo shirts - \$24.30 left chest embroidery
    - Window clinger/static sticker - \$7.90 4 inch
    - Preliminary information, more details
    - A to Z Embroidery may be an option as well
    - Steve will give another report at next meeting
- New business
  - Contesting: Mel presented info on January VHF contest - 50Mhz and higher
    - January 24th 1pm until January 25th at 10pm
    - Frequencies are 146.55 and 446.00 simplex
    - Exchange is call sign and grid square you are in at the time
    - Grid squares based on 16th St. S
      - North of 16th St S. is EN34, South is EN33
      - EN34 good location is Assisi Heights, EN33 good location is Good Shepard church
      - EN34 changes to EN44 4 miles east of St. Charles

- Grid is 70 miles N/S and 90 miles E/W
- 2 people in different grid squares can make up to 4 contacts
- Mel will be operating in St. Charles where 4 grid squares meet
- Log sheet was in the newsletter
- Each operator can submit two logs - can do one operation from your home and one mobile
  - Cannot work same people on both logs
- Need people watching the bands at the top of the hour and 30 minutes after
- Do not use 52 or repeaters
- Different categories - home station, low power, 3 band radios, FM only, etc.
- Logging programs - RoverLog or submit paper log
- See Mel for more details on this event
- Minnesota QSO party Saturday, February 7th - MN Wireless Association
  - Primarily HF - 10 through 80 meters
- ARES: March 31st Skywarn event, otherwise April 13th alternative date
  - Not making new badges for ARES due to lack of organizational recognition
  - New sheriff - used to be involved in Skywarn/HSCM
  - No big changes with staff and RARC involvement - SOPs will stay the same
  - Fire station #2 - on Silver Lake - will be moving across from Century High School
    - Moving in Early April
    - Basement of new station is new City of Rochester EOC
    - Radio room for ARES
    - Room for 5 antennas on roof - everything setup for wireless and wired distribution
    - Steve and Rob have reviewed construction site and building layout
    - Tour of facility scheduled for October 2015
- Public Service:
  - Frozen Goose event
  - May 24th Med City Marathon
  - September 19th Diabetes Tour de Cure
  - Most other events do not have dates
  - Signup sheets available for all events with dates
  - This year, ARES will track public service as training
- IRLP node is currently down due to hard drive failure, Bob will notify when replaced
  - New hard drive will be purchased/found
- APRS Igate is down due to power supply fan issues
  - New power supply will be purchased for this
- Social evening at Wildwood on January 29th
- Formal agreement with RCTC has ended
  - \$25 a month possible fee in the future per meeting - minimum
  - Look into the Red Cross as a possible alternative site for meetings?
  - \$250 a year based on the \$25 a month fee
  - Possible alternatives to look into:
    - Library
    - C4 downtown
- Glenn Johnson part of expedition in an island west of Haiti, DX contest
  - K1N website has additional information
- Introductions were performed
- Meeting adjourned by President, Dan N0KZO at 7:40pm
- Program for this month was looking at desired programs for the rest of the year
  - October 2015 is already scheduled for new fire station demo

Minutes recorded and reported by Drew, KC0CJP, Secretary.



**ROCHESTER AMATEUR RADIO CLUB, INC.**

P.O. BOX 1, ROCHESTER, MN 55903

## RARC Meeting Minutes for February 10th, 2015

- Meeting called to order by President, Dan at 6:38pm
- Minutes from last month's meeting
  - Motion to approve minutes was passed
- Treasurer's Report read by Robert
  - See below for details

### Financial Report for January 2015

#### Checking

Opening Balance	\$3768.01
Credits	
Dues and training	\$386.20
Dues	\$100.73
Dues and donations	\$135.00
Dues and donations	\$93.71
Dues	\$25.00
Donation	\$500.00

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Total Credits	\$1240.64
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#### Debits

Picnic	\$181.12
IBM Grant Purchases	\$44.94
RPU	\$37.24
RPU	\$38.59
Internet Hosting	\$126.65
Checks	\$51.45

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Total Debits	\$479.99
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<b>Closing Balance</b>	<b>\$4528.66</b>
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#### Savings

Opening Balance	\$4692.12
Credits	
Interest earned	\$0.11
Debits (None)	\$0.00
<b>Closing Balance</b>	<b>\$4692.23</b>

Cash on hand	\$40.00
<b>Total</b>	<b>\$9260.89</b>

- Reports:
  - Technical Committee Report:
    - Tower relocation for 82 repeater
      - KTTC would be willing to host it
      - Expense to remove antenna and feedline from old tower/expense to put new antenna and feedline on new tower
      - No urgency to this, but currently all sites are gov't owned which can have access problems
      - Monthly updates on progress of the repeater move
    - Complaints of audio issues on 625 repeater at recent public service event
      - John will work on this audio issue on the 625 repeater soon
    - Echolink up and running on 625
    - IGate is back up and running as well after recent power supply issues
    - Yaesu Fusion repeater - special promotion
      - 2 modes - similar to DStar
      - Hybrid mode allows both analog and digital to use repeater
      - No advantage compared to DStar on 625
      - Could be an option for a 2nd digital repeater/solution to replace an existing repeater - but not much interest in this from the club
  - Public Service:
    - 1st event last Saturday - Frozen Goose
      - About 175 runners
    - Next event March of Dimes on April 5
    - Med City Marathon May 24th
    - Chester Woods event June 6th
  - ARES:
    - Skywarn event coming up on April 5th
    - New ARES form is needed if it has not been filled out yet this year
    - Motion was started to donate an antenna the club had received to County EOC
      - Motion was approved
  - Contesting:
    - If you participated in VHF contest and need assistance with your logs please contact Mel at [MelvynKC0P@aol.com](mailto:MelvynKC0P@aol.com)
    - K1N DX contest continues until February 15th
    - March 7th through 8th is ARRL DX contest - lots of potential for DX contacts here
  - Education:
    - Tech class and testing session recently
      - 2 Technicians and 1 General class license result from testing session
    - Next class coming up soon
    - Current General class question pool is good until July 1st, then it will change
  - Social Gatherings:
    - February 26th this month at Wildwood Grill
- Old business:
  - Certificate of honorary membership for Paul Perrone due to his donation to our club
    - Mockup of certificate was passed around for comment
  - Club banners - do we have any?
    - 2x6 vinyl banner for \$25
    - Mockup using new logo was passed around
    - Could be ordered and here by next meeting/Skywarn meeting if approved
    - Discussion of increasing the font size/labeling of the RARC
    - 3x5 flag for Skywarn/larger banner for indoor events
  - Adopt a highway - still on waiting list
  - RPU charges for power
    - Stuck with current charges
    - They do have a rebate if we do go solar

- Do not have to remain on the grid to get a rebate
- Patch and logos - still working on this
  - Review next month
- IRLP node - still working on this
- Field Day 2015
  - Please contact Peter if you are interested in working on Field Day 2015 planning
  - Discussion of location - possibilities include:
    - Pat's Farm - 2014 location
    - Gamehaven
    - North Menard's
  - Spirit of event - contesting vs. emergency operations vs. public relations
    - PSAs with local media companies (radio stations, etc.)
- Discussion of public relations officer for club
  - Responsibilities would potentially include:
    - Press releases
    - Social media management
    - Any other public relation items
- Club meeting place is still under work
  - RCTC contact was attempted but with no success
  - Red Cross is being contacted as well
  - Other location possibilities include Public Library/C4 downtown
  - Work continues on this - will discuss further at next club meeting
- New business:
  - AES mini Hamfest in Milwaukee is on March 21st - 9a to 3p
    - Interested parties should contact Steve about group driving
    - Radio City has tax free sale this month as well
  - Budget discussion
    - Field Day 2014 was effectively free due to lack of receipts for a couple of items
    - Formal timelimit on getting reimbursed for expenses for the club
      - Between 60 and 90 days proposed - 90 maximum
      - Motion for 90 day cap proposed and passed
    - 2 accounts - operations and repeater fund
    - \$9000 in the club accounts includes a \$2000 grant from IBM and a \$2000 yearly expenses charge
    - Still have equipment insurance as well
  - If anyone has an oscilloscope please let John, Vice President know
  - Schaefer Academy discussion - tabled for future meeting
- Introductions performed
- Meeting adjourned at 7:31pm by President, Dan
- Program for this month was by Peter Wollan WOLLN- discussed beam antennas made with fishing pole and wire

Minutes recorded and reported by Drew, KC0CJP, Secretary.



**RARC ROCHESTER AMATEUR RADIO CLUB, INC.**  
P.O. BOX 1, ROCHESTER, MN 55903

## RARC Meeting Minutes for March 10th, 2015

- Meeting called to order by President, Dan N0KZO at 6:33pm
- Treasurer's Report
  - Read by Treasurer, Robert - see below for details
- Minutes from last month's meeting
  - Corrections from last month's minutes (Public Service events):
    - March of Dimes event listed as on April 5th is actually on April 25th
    - Skywarn training listed on April 5th is actually on March 31st
  - Minutes were approved with the above corrections

<b>Checking</b>	
<i>Opening Balance</i>	<b>\$4,528.66</b>
<i>Credits</i>	
United Way	\$50.98
Dues	\$170.00
<i>Debits</i>	
Banner	\$25.18
IBM Grant purchase	\$268.50
Stamps	\$5.88
RPU	\$39.99
Frame for certificate	\$7.49
<b>Closing Balance</b>	<b>\$4,399.60</b>
<b>Savings</b>	
<i>Opening Balance</i>	\$4,692.23
<i>Credits</i>	
Interest	\$0.03
<i>Debits</i>	
<b>Closing Balance</b>	<b>\$4,692.26</b>
<b>Cash on hand</b>	<b>\$65.00</b>
<b>Total</b>	<b>\$9,156.88</b>

- Reports:
  - Technical Committee Report:
    - Did not meet this month
    - KTTC will be explored further as a potential repeater site
    - Reseating cables on repeater appeared to help as well
  - Public Service:
    - Next event was semi cancelled - March of Dimes is at Mall Of America
    - Next event is Stay out of the Sun Run on May 15th at Lourdes High School
    - Med City Marathon May 24th
    - Tour de Cure September 19th
    - Rochesterfest Parade Route has drastically changed - out by Soldier's Field
  - ARES:
    - Skywarn training will be good opportunity to fill out an ARES application if you have not already done so
    - March 31st Skywarn training - meet at Ground Round at 5pm for dinner than Rochester Event Center for event
    - RARC will have a table both before and after the training
    - Steve will do some recruiting at this event as well
    - Table and banners will be ready, handouts will be updated beforehand too
    - Check websites for additional training and webinar info
    - RMS Express messaging service being investigated as well for sending messages
  - Contesting:
    - Next VHF contest is June - 2 weeks before Field Day
    - For HF WPX at the end of the month - SSB Phone contest
    - Last weekend was ARRL DX
  - Education:
    - Class upcoming the end of April
    - Active recruiting is important
    - Skywarn training will probably result in some class attendance as well
    - Attendance at classes overall has dropped drastically over the last 6 months
    - Possibility for listing RARC classes in Community Education quarterly circulations as well as KTTC and KAAL TV stations
      - Still looking for public relations officer related to the above as well
      - Amy Ranson is now the new public relations officer after the motion passed
  - Field Day:
    - Menards parking lot is not available as a location
    - Committee assignments will begin this week for assigned people
    - Should decide where we will be and how many stations we will do
    - Out at Pat's and 3A classification as we have done in the past?
    - CW operators - make sure we have enough for a half-dozen of these? Last year we were a bit thin on CW operators
    - Add Pat to club roster as honorary member
    - Two \$50 gift cards for past field day hosts - 1 to KOAs and 1 to Pat
    - Money for Field Day - operating budget \$500?
      - Motion passed for this
    - Money for Field Day part 2 - equipment budget \$300 from last year, \$300 accumulative this year?
      - Discussion of the need for this given the amount of equipment already available within the club
      - Discussion of cost-effectiveness of buying new equipment and then only using it for Field Day once a year
      - Idea for a quartermaster/inventory officer to keep track of all club equipment/Field Day equipment included
        - Get 2 separate lists - one for club general club equipment (Tech Committee will take care of this) and one for Field Day equipment (Field Day Committee will take care of this)



- After the above 2 equipment lists are compiled next month the club will review additional equipment proposals
- Method for tracking club equipment inventory in general is needed - check in and check out procedures
- Old business:
  - Banners
    - New banner was shown at the club meeting - looks great!
    - Used for public service events and Skywarn training on March 31st
  - Certificate for Paul
    - Will go out in the mail tomorrow
  - Patches
    - A to Z printing will get back to a couple of club members with prices
  - Budgets
    - Club has never had a formal budget
    - Power bill/insurance/Field Day are all about the same amount of money (\$500)
    - Right now we can either increase the dues, increase the members, or decrease costs
    - People can make a donation at any time
  - IRLP node is back up and running
- New business:
  - Discussion of United Way donations
    - How they can include RARC in the employer charitable giving
    - See Robert with additional questions
  - Additional ideas for outreach/club activities to increase exposure of the club
    - If you have ideas please contact Dan
  - Winona ARC - asking if there were any problems using the 82 and 625 repeaters for their Boy Scout Radio Merit Badges on Saturday, March 21st from 11 to 1130a and 4 to 430p
    - These will be conducted at Gamehaven
    - HF and possibly VHF frequencies will be used for this
    - Possibility of getting RARC members to assist with contacts on both repeaters/simplex
    - More information on this event will be sent to the Yahoo Groups reflector from Dan
  - EchoLink commands
    - Turn off #00
    - Turn on #11
    - For club use - EchoLink has been working great lately
    - EchoLink commands - lots of options here
  - Free antenna available - talk to Jon
  - Ron also has equipment listed in the newsletter as well - contact him if interested
  - Radio Shack is not closing at this time, new manager who is an amateur radio operator
  - New bill related to Amateur Radio proposed - would affect antennas on private land restrictions
- Introductions were performed
- Program for this month was by Mike Thompson AE0MT about Arduino and amateur radio projects that can be completed on this platform

Minutes recorded and reported by Drew, KC0CJP, Secretary.



**ROCHESTER AMATEUR RADIO CLUB, INC.**  
 P.O. BOX 1, ROCHESTER, MN 55903

## RARC Meeting Minutes for April 14th, 2015

- Meeting called to order by President, Dan N0KZO at 6:31pm
- Minutes from last month's meeting
  - Motion to approve minutes was proposed and passed
- Treasurer's Report:
  - Read by Robert, include below on website:
  - Showed chart of annual RARC income and expenses and discussed
    - 50 new members required to make income and expenses equal
  - Breakdown of costs in expenses graph
    - Include this graph in the minutes on website?
  - Membership committee?
  - "If you are on the repeater, try and say something"

<b>Checking</b>	
<i>Opening Balance</i>	<b>\$4,399.60</b>
<i>Credits</i>	
Dues	\$125.00
Donations	\$13.00
<i>Debits</i>	
VEC License Renewal	\$5.00
IBM Grant purchase	\$451.28
RPU	\$39.77
Speaker Gift	\$54.94
<b>Closing Balance</b>	<b>\$3,986.61</b>
<b>Savings</b>	
<i>Opening Balance</i>	\$4,692.26
<i>Credits</i>	
Interest	\$0.03
<i>Debits</i>	
<b>Closing Balance</b>	<b>\$4,696.29</b>
<b>Cash on hand</b>	<b>\$65.00</b>

<b>Total</b>	<b>\$8,743.90</b>
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- Reports:
  - Technical Committee Report:
    - 82 repeater location
    - Detailed list of everything the club owns - everything complete up to this point except for location at Pat's farm
      - Rob has current list of inventory, Don will take over once inventory list is complete
      - Let Rob and Don know if you have any equipment - may put notification on website for this
  - Public Service:
    - SOS Run
    - Med City Marathon - looking for lots of volunteers as event is getting large
      - Sheet passed around for both of these runs
    - Public service events on RARC website - can sign up through this as well
    - Stay out of the sun run still waiting for additional information
    - Airport drills - looking to assist in these again
  - ARES:
    - Had Skywarn training recently (March 31st)
    - ARES sign-up forms are still available - contact Rob
    - Proposed move of the club meeting to new fire station 2 up by Century
      - Motion to move club meetings to new fire station in June was proposed and passed
  - Contesting:
    - April is quiet for contests
    - WPX in May is next contest
  - Education:
    - Class starting on Saturday - 3 people in it currently
  - Field Day:
    - By next month goal is to have specific plans for stations and equipment
    - Food will be handled by John Scott
    - Voice station chief is needed - makes sure all equipment exists, organized, and ready to go
  - Social Gatherings:
- Old business:
  - Patches - still waiting on this
- New business:
  - Email - Bill WBOYEE has passed away
    - Celebration of his life at Whistle Binkie's North on Friday from 4 to 7p
  - Email - Skywarn incident due to storms in the last week
    - Possabilities in Rochester
      - Weather watching group started by this organization
      - Raise awareness of storm spotters - possibility of classes and some additional members from this
      - HT in their possession for listening to repeater for storm spotting
    - Reminder to be mindful of how you are talking on the radio - other people can hear you and could be hurt by what was said
  - Email - Assistance by RARC with searching tracks between Rochester and Winona for missing persons case
    - Law enforcement has not asked us yet, but would like to get potential club answer
  - Introduction and welcome of Amy Ranson, Public Relations Officer
    - Dan will be looking for additional Field Day information for press releases

- Introductions were performed
- Meeting adjourned at 7:50pm by President, Dan N0ZKO
- Program for this month was on digital radio by John and Bill

Minutes recorded and reported by Drew, KC0CJP, Secretary.



**RARC ROCHESTER AMATEUR RADIO CLUB, INC.**

P.O. Box 1, ROCHESTER, MN 55903

## RARC Meeting Minutes for May 12th, 2015

- Meeting called to order by President, Dan at 634pm
- Treasurer's Report
  - Read by Drew KC0CJP Secretary in Robert's absence
  - Pat will take care of getting QSLs that are being held by W0QSL
- Minutes from last month's meeting
  - Minutes were approved with 1 opposed with the below caveat:
  - Motion to move the meeting location in June to new location at fire station was amended to instead be:
  - Club will meet at RCTC next month and then move to fire station in July due to concerns about Field Day discussion in June meeting

<b>Checking</b>	
<i>Opening Balance</i>	<b>\$3,986.61</b>
<i>Credits</i>	
Dues	\$310.00
Donations	\$107.14
<i>Debits</i>	
RPU	\$40.31
<b>Closing Balance</b>	<b>\$4,363.44</b>
<b>Savings</b>	
<i>Opening Balance</i>	\$4,692.29
<i>Credits</i>	
Interest	\$0.03
<i>Debits</i>	
<b>Closing Balance</b>	<b>\$4,692.32</b>
<b>Cash on hand</b>	<b>\$40.00</b>
<b>Total</b>	<b>\$9,095.76</b>

- Reports:

### Technical Committee Report:

- Inspection of 82 repeater
      - Battery was completely dead, charger was turned off
      - Battery was replaced with new model with warranty
      - Repeater is back up and running now
    - Digipeater was also turned off, probable issue with power supply
    - 625 and DStar repeater are doing good
    - Possible new site of 82 repeater is being investigated - windmill west of Rochester
  - Public Service:
    - This Friday 5-15 Stay Out of the Sun Run
    - 2 weeks from now is Med City Marathon
    - Check website for upcoming public service events, additional help is always welcome
  - ARES:
    - Applications were passed around for ARES
  - Contesting:
    - WPX CW contest end of May
    - Dayton convention is this weekend
    - June VHF contest is the 2nd full weekend of June - 2 weekends before Field Day
  - Education:
    - Class was held with 3 students recently
    - Testing was held recently as well - 5/6 people taking the test passed
    - Discussion about ways to encourage new recent test takers to come to meetings
      - Contact from club members to encourage/remind them to come to meetings - especially a personal phone call
      - Business card for club with numbers to contact people - could be used for this and different functions/events as well
  - Skywarn:
    - First call out recently
  - Social Gatherings:
    - Permanently at WildWood for the rest of the year, last Thursday of the month
- Old business:
  - Field Day - Friday June 26th through Sunday June 28th
    - Getting organized, plans coming together
    - Stay tuned to website for sign up for food to bring to Field Day dinner
    - Short one radio currently at CW1 station
    - Mobile home/RV - please contact Peter if you have one available if you have one available
    - BJ is station chief for voice station
  - Discussion of status of club member Randal, who unfortunately had a stroke recently
    - Mel provided details about his condition
    - Dan and Jon provided get well card that will be signed over the break and given to Randal
- New business:
  - Neal is giving away a bunch of old CQ and QST magazines, please contact him if you would like to inspect them or pick them up
  - 2 former club members have given John Scott equipment which he is now selling
    - Proceeds from there sale will go to club
    - Please see John if you are interested
  - Balloon tracking with RCTC and APRS - tentatively scheduled for around noon this coming Friday
    - Balloon callsign is KDOZDX
  - Membership improvements
    - Get John Scott any hams that are not on the newsletter list already - he will add them to it
    - Club memberships run Jan 1st to December 31st

- Introductions were performed
- Meeting adjourned at 718pm
- Program for this month was Mel presenting details on his mobile setup

Minutes recorded and reported by Drew, KC0CJP, Secretary.



**RARC ROCHESTER AMATEUR RADIO CLUB, INC.**

P.O. Box 1, ROCHESTER, MN 55903

## RARC Meeting Minutes for June 9th, 2015

- Meeting called to order by President, Dan at 6:37pm
- Treasurer's Report
  - Attached below here.
  - Smile.Amazon.com - any purchase on Amazon using RARC gives 0.5% of all purchases back to the club. Please do this if you perform Amazon purchases help out the club financially.
- Minutes from last month's meeting
  - Motioned and passed to approve last month's meeting minutes.

<b>Checking</b>	
<i>Opening Balance</i>	<b>\$4,363.44</b>
<i>Credits</i>	
Dues	\$25.00
Radio Sale	\$200.00
<i>Debits</i>	
RPU	\$41.16
<b>Closing Balance</b>	<b>\$4,547.28</b>
<b>Savings</b>	
<i>Opening Balance</i>	\$4,692.32
<i>Credits</i>	
Interest	\$0.03
<i>Debits</i>	
<b>Closing Balance</b>	<b>\$4,692.35</b>
<b>Cash on hand</b>	<b>\$40.00</b>
<b>Total</b>	<b>\$9,279.63</b>

- Reports:
  - Public Service:



- Triathlon on the 21st, needs assistance so please sign up if you can.
- Rochesterfest Parade on the 26th.
- After the parade there is a break until August 22nd.
- Education:
  - 1 more class end of July
- Technical Committee Report:
  - Recent issue with repeater - strong signal out NE side of town that was overloading the repeater
  - Repeater tower was recently painted
  - Discussion of hiring a climber to perform repair/upkeep on the 82 repeater - get bids from various tower climbers
  - Dan and Steve will talk to some climbing companies to get an idea on prices
- Club equipment as repayment for Pat's farm location during field day
  - Some extra equipment was located at Pat's farm. Since the club uses his location for field day he would get one of the pieces of equipment (Kilowatt antenna tuner) as repayment for past, present, and future Field Days his location.
  - A motion was proposed and passed to give Pat the above mentioned piece of equipment, he will continue to pay club dues.
  - Inventory of all additional club equipment at Pat's farm is needed - a large amount of equipment is out there.
  - Proposal to take equipment and Ebay/otherwise sell it - an individual is needed to sell, package, ship, and take care of whole process for the club.
  - Some of the equipment will be used for Field Day - next RARC members can acquire any equipment they are interested at a fair price. Then lastly any equipment remaining can be sold off.
  - Pat will get approximate prices for items based off of Ebay - if you are interested in any of the equipment please purchase it before or on Field Day.
- Contests:
  - VHF/UHF contest this weekend - 1p Saturday the 13th to 10p Sunday the 14th
- Old business:
  - Next meeting at the new firehouse - July 14th is the next meeting.
  - New grant for up to \$2000 for public safety equipment or professional development - discussion of items we could use for this grant. Further research is needed on this topic - John and Robert will look into this. August 1st is the deadline for the grant.
  - Dan will get a gift card for KOA
- New business:
  - Foxhunting team will be formed with the club - once a month event that any RARC club members are welcome to join. Would start at Field Day for the 1st meeting and also one at the picnic.
- Field Day:
  - Club Public Information Officer will develop some communications for Field Day:
    - Pre-press release will go out starting Monday for TV and radio stations as well as websites.
    - Press releases will also go out to some local government officials.
    - Local groups such as law enforcement and emergency services will be contacted too.
    - 3 days before Field Day - a press alert will go out as well.
    - GPS will be able to find Field Day location
- Introductions were performed.
- Meeting adjourned at 7:20pm
- Program for this month was Field Day discussion/finalization before Field Day occurs on June 27th.

Minutes recorded and reported by Drew, KC0CJP, Secretary.



**RARC ROCHESTER AMATEUR RADIO CLUB, INC.**

P.O. Box 1, ROCHESTER, MN 55903

## RARC Meeting Minutes for July 14th, 2015

- Meeting called to order by President, Dan at 6:37pm
- Treasurer's Report
  - Read by Robert, attached below
- Minutes from last month's meeting
  - Approved with no changes

<b>Checking</b>	
<i>Opening Balance</i>	<b>\$4,547.28</b>
<i>Credits</i>	
Dues	\$100.00
<i>Debits</i>	
RPU	\$41.56
Field Day Food	\$50.97
Gift Card	\$54.50
<b>Closing Balance</b>	<b>\$4,500.22</b>
<b>Savings</b>	
<i>Opening Balance</i>	\$4,692.35
<i>Credits</i>	
Interest	\$0.03
<i>Debits</i>	
<b>Closing Balance</b>	<b>\$4,692.38</b>
<b>Cash on hand</b>	<b>\$40.00</b>
<b>Total</b>	<b>\$9,232.60</b>

- Old business:
  - Public Service:
    - August 8th is the Harvest Classic
    - August 22nd is the Healthy Human race - not a lot of people so may be canceled

- September 19th is the Tour de Cure
    - September 20th is the Med City Fall Event
    - November 10th is Game Haven Cross Country run
  - ARES/Skywarn:
    - Joint exercise between ARES and National Guard on August 4th
      - Purpose is to make as many contacts between counties and National Guard HQ as possible
      - HF exercise due to distance from Twin Cities
    - Additional exercise in September called Bounce Day on September 26th
      - Aimed at medical students, gives them field conditions/field experience in event of disaster
      - Out at Game Haven
      - Scenario with actors - Zombies
      - Last year they had communications issues, would like RARC assistance with communications at 3 different stations as well as a public demo
      - Status reports from Mayo facilities in other states as well
      - Need HF stations for this exercise to communicate with Florida and Arizona
    - No Skywarn activity lately
  - Field Day wrapup:
    - See additional detail below under new business
    - Final score is 7,070 points
    - 1092 QSOs
    - Last year was 10,620 points with 1,602 QSOs
    - 100 contacts on GOTA this year and 240 total points
    - 1400 bonus points
    - Logging issues were a concern, next year look into logging with better error correcting
    - Go to M1MM log software versus existing log software - proposal?
    - Additional information is needed:
      - Picture of items from the information table for proof
      - Minnesota Cup info is needed as well
  - Education:
    - Class upcoming with several people in it
  - Tower improvements
    - Still working on this, awaiting further contact from antenna climbers
- New business:
  - Proposal to nominate someone as leader of Field Day right now rather than in February before Field Day
    - Allows more planning for new locations
    - Also allows potential to get catering covered more easily
    - Logging programs could also be examined ahead of time
    - Mentoring would be available for chosen person from previous field day leaders
    - Motion was approved and passed to nominate the 2016 Field Day chair
    - Nominations were accepted
      - Kelly KE0EMJ will be chairmen of the Field Day committee
      - Peter will co-chair the Field Day committee
    - Suggestions from Pat:
      - Good shelter is important
      - Places to put antennas are also important
      - Everyone in the club needs to assist with making sure these ideas can work
      - Steve Webke will assist with location finding as well through Rochester Public Schools and other Rochester location
    - Concerns about the club issues in the past with KOA and not making contact about Field Day and other concerns
      - Picnic at this location
    - Other location ideas besides KOA:
      - Fair grounds

- At the new fire station
- Field Day committee status report at the beginning of the meeting the same as the other committee status reports
- Equipment needs to be tracked and make sure we have complete stations for Field Day
  - Lack of laptops was an issue - designated laptops would be nice rather than using individual's ones temporarily
  - Grant for equipment for this?
- Schaeffer Academy rig has been returned, but needs some work done
  - Radio was originally purchased through a grant with IBM
- Rob inventoried equipment out at Pat's
  - Steve will be taking possession of the RF concepts amplifier assuming it makes it until the next meeting in lieu of payback from some Radio City charges
  - Motion passed for the above
- Dave Sevie? (spelling) needs assistance with moving his antenna
  - Steve will supply the ladder
  - Antenna moving will be this Friday the 17th around 6pm
  - See Steve if you are interested in assisting
- Website will be updated to use WordPress
  - Club officers can upload content more easily
  - More dynamic and modern website
  - Club members will approve final design before replacement
  - No timeline or due date for replacement at the moment
- Introductions were performed
- Meeting adjourned at 7:32pm
- Program for this month was Fox Hunting information led by Steve Webke

Minutes recorded and reported by Drew, KC0CJP, Secretary.



**RARC ROCHESTER AMATEUR RADIO CLUB, INC.**

P.O. BOX 1, ROCHESTER, MN 55903

## RARC Meeting Minutes for September 8th, 2015

- Meeting called to order by President, Dan at 631pm
- Treasurer's Report (note: 2 months)
  - Read by Robert, available at website
- Minutes from last month's meeting
  - July's minutes were approved

<b>Checking</b>	
<i>Opening Balance</i>	<b>\$4,500.25</b>
<i>Credits</i>	
Dues	\$50.00
United Way	\$67.86
<i>Debits</i>	
RPU	\$42.92
RPU	\$43.20
Field Day Restroom	\$112.22
Radio Supplies	\$9.99
Shelter Rental	\$80.72
<b>Closing Balance</b>	<b>\$4,329.06</b>
<b>Savings</b>	
<i>Opening Balance</i>	\$4,692.38
<i>Credits</i>	
Interest	\$0.04
Interest	\$0.03
<i>Debits</i>	
<b>Closing Balance</b>	<b>\$4,692.45</b>
<b>Cash on hand</b>	<b>\$40.00</b>
<b>Total</b>	<b>\$9,061.51</b>

- Reports:
  - Technical Committee Report:
    - All of the equipment is operational, however .82 repeater has a lot of static
    - Some potential for a new location on the NW side of town - they would charge us a non-profit rate that has not been determined yet
    - Additional equipment considerations (Heliac, antenna) if .82 was relocated
    - High speed link to Twin Cities also being considered
    - Power supply from Digipeater has been tested and possibly has issues with RF exposure
    - Schaefer power supply has also been tested and works great
    - Need to determine if we can stay at current location and add new antenna, versus moving to new location
  - Public Service:
    - 2 events left
    - Tour de Cure on September 19th
      - North/NW now - routes have totally changed
    - Med City Fall Half Marathon on September 20th
    - If you are interested in working at or observing a public service event, please contact John and sign up
  - ARES:
    - SET - 1st weekend in October (3rd and 4th)
      - May get moved to 10th and 11th
      - State has not replied yet, so far just RARC
      - Couple exercises/ideas for this are being worked on
    - Mayo Clinic Drill (Bounce Day) - September 26th
      - RARC providing communications
      - Start at 7a, ends at 12p
    - Airport drill takes place this Thursday
  - Education:
    - No classes for the rest of the year, please continue to forward people to Bill however
    - Community education has a class about soldering, Arduino, etc.
  - Contesting
    - VHF contest this weekend on Saturday through Sunday
      - 50Mhz and up
      - Last big contest of the year
      - FM category is present as well
      - 146.55 or 58 is popular 2M frequency
    - Dstar contest
      - Starts on the 19th, runs through the 20th
      - Can make any kind of Dstar contact (repeaters, simplex, etc.)
      - There is a form, everyone who enters has a chance to win prizes.
  - Social gatherings:
    - Last Thursday of the month at Wildwood
  - Field Day
    - Discussion of the three objectives of Field Day and how the club would rank any of this
      - Contesting
      - Emergency preparedness
      - Public relations
    - Idea of increased community education participation (Ham Radio 101 or similar title)
      - This could increase new ham participation in Field Day
    - Location will change the public relations aspect of Field Day greatly
    - Steve W0STV went over location possibilities
      - Pat's Farm
      - Assisi Heights - several issues that make this not a great site

- Game Haven - Kelly will get a hold of management there to get more details
- Fairgrounds - just west of EOC
  - Possibility to store equipment at EOC garages rather than Pat's farm
  - Fire Station where meetings are currently held
- Of the above options, Fairgrounds has a lot of attractions
- We also need more operators for Field Day, particularly CW and HF
- New business
  - New website is in progress, may need to move the existing website due to security concerns and cost
    - Currently pay \$12 a month, there are hosting options that are much cheaper and better
    - Custom email addresses may also be an option
    - John Scott will check when our contract is up with the company, and investigate alternatives
  - Preamble has been updated, if you are doing net control make sure you use the updated one
  - Radio City is having a sidewalk sale on September 12th
  - If anyone would like to be net control, Steve is volunteering to shadow and help anybody who would like to learn this
- Meeting adjourned at 730pm
- Program for this month was a tour of the new fire station/EOC by Ken Jones, Director of Emergency Management

Minutes recorded and reported by Drew, KC0CJP, Secretary.



**RARC ROCHESTER AMATEUR RADIO CLUB, INC.**  
P.O. BOX 1, ROCHESTER, MN 55903

## RARC Meeting Minutes for October 13th, 2015

- Meeting called to order by President, Dan at 634pm
- Minutes from last month's meeting
  - Minutes were corrected for an extra \$.03
- Treasurer's Report
  - Read by Robert, see below for details:

<b>Checking</b>	
<i>Opening Balance</i>	<b>\$4,329.06</b>
<i>Credits</i>	
Dues	\$110.30
<i>Debits</i>	
RPU	\$42.93
Field Day Food	\$112.22
Office Supplies	\$15.06
<b>Closing Balance</b>	<b>\$4,285.64</b>
<b>Savings</b>	
<i>Opening Balance</i>	\$4,692.45
<i>Credits</i>	
Interest	\$0.03
<i>Debits</i>	
<b>Closing Balance</b>	<b>\$4,692.48</b>
<b>Cash on hand</b>	<b>\$40.00</b>
<b>Total</b>	<b>\$9,018.12</b>

- Reports:
  - ARES:
    - SET will not happen this weekend as scheduled
    - Proposal to make Mayo disaster drill the SET next year



- Leader of Mayo drill did not have any concerns with expanding drill next year
  - ARES statewide
    - State SEC is retiring, no replacement designated yet
- Technical Committee Report:
  - Did not meet this month
  - Last word on tower is that we will be allowed to stay there for now
  - Contract does need to be written up, this will be completed too
  - Additional \$500 to be raised by the club in order to repair the .82 repeater
  - Power concerns as well - reduce cost of this every month - N0HZN is working on this
  - Additional concerns on equipment/hardline issues found while working on antenna
  - Looking into issues on APRS units and antennas as well
- Contesting:
  - Last Wed. 7 to 11p was the Fall Sprint - 432mhz
  - No upcoming VHF contests until January
  - February is Minnesota QSO party
  - CQ Worldwide Sideband contest on the 22nd of October
  - Some club members going to Turks/Caicos?
- Public Service:
  - No actions until February
  - Last 2 events went well
  - Bounce Day at Mayo went good as well
- Education:
  - Technician class in November
  - Details not yet on website but will be updated to include that
  - Last 3 Saturdays in November
  - General class in January - signup on webpage
- Social Gatherings:
  - Next one is October 29th at Wildwood
  - Skip for November and December due to holidays
  - Christmas party in December is scheduled
- Old business:
  - Elections
    - Please see any of the existing officers if you would like to become an officer of the club
  - IBM/IBM retirees
    - Time to select charities for IBM
    - Can choose RARC as one of your options
    - Mayo Clinic has a similar option as well
  - Amazon Smile
    - Some money in this account but not enough for for a check yet
    - Please set this up if you do Amazon shopping
  - Banners
    - 2 more RARC banners on order to replace the missing one
- New business:
  - National Ham Radio Event in Rochester next year
  - Central States VHF Conference downtown here
    - Last full weekend in July
  - Field Day
    - Potential locations
      - Field Day at Fairgrounds will not happen this year due to insurance reasons
        - Cattle show the same weekend as Field Day, so not going to happen
        - 2016 may happen at Fairgrounds
      - Gamehaven
        - Researched contacts for this
        - Still working on communications for this

- Pat's Farm is always an option as well
- Club equipment
  - List of club equipment that needs to be disposed of
  - Bring it to a meeting and have any club members take any equipment they want for donations
  - Any loaned equipment should only go to club members
  - Any loaned equipment that breaks should be repaired
  - Dan will get in contact with Neal about the GOTA station equipment
- New website
  - Sample website has been updated
  - Proposal to have old website still available with a flag noting that it is an archive only
- Meeting adjourned at 732pm
- Program for this month was on Logbook of the World by John, NZ0S Vice President

Minutes recorded and reported by Drew, KC0CJP, Secretary.



**ROCHESTER AMATEUR RADIO CLUB, INC.**  
 P. O. Box 1, ROCHESTER, MN 55903

## RARC Meeting Minutes for November 10th, 2015

- Meeting called to order by President, Dan at 6:37pm
- Treasurer's Report
  - Reported by Robert, available on website below:
  - \$402 donation for equipment
  - \$2000 grant from IBM as well
  - Amazon Smile donations - not enough money yet to get a check, unsure of amount needed to get a donation:
- Minutes from last month's meeting
  - No changes, minutes were approved

<b>Checking</b>	
<i>Opening Balance</i>	<b>\$4,285.64</b>
<i>Credits</i>	
Dues	\$50.00
United Way	\$70.00
IBM Grant	\$2,000.00
10-10 International	\$402.82
<i>Debits</i>	
RPU	\$41.87
Insurance	\$286.00
<b>Closing Balance</b>	<b>\$6,480.59</b>
<b>Savings</b>	
<i>Opening Balance</i>	\$4,692.48
<i>Credits</i>	
Interest	\$0.04
<i>Debits</i>	
<b>Closing Balance</b>	<b>\$4,692.52</b>
<b>Cash on hand</b>	<b>\$40.00</b>
<b>Total</b>	<b>\$11,213.11</b>

- Reports:
  - Technical Committee Report:
    - 82 repeater discussion
      - Proposal to turn off 82 repeater, don't remove any equipment but get rid of \$40 a month meter charge
      - John Scott N0HZN will be working on getting us cheaper/free power to help with this - has until December Christmas party to set this up
      - Tower owner will let us stay there (for now)
  - Public Service:
    - Nothing until February
  - ARES/Skywarn:
    - Skywarn recognition day is on December 5th
      - Echolink will be available as well on the 255 repeater
      - If you are interested contact Steve W0STV
    - Joint exercise between ARES and Military Affiliated Radio System (MARS) last Saturday November 7th.
      - Reports passed between different groups, exercise was based on idea of solar flares impeding communications
      - Statewide 24 counties reported
      - HF conditions did cause some issues
    - Bounce Day exercise with Mayo - occurred last month
      - Leader of Mayo side of event wants RARC involved in all future events and wants expanded club involvement both with Bounce Day and other events
      - Selected club members will be involved with further communications with this group
  - Contesting:
    - Sweepstakes last weekend
    - Significant world DX contest end of the month
    - No VHF contests until January - possibly the third weekend in January
  - Education:
    - Class for November was cancelled, next class is in January
    - General class will be some time in 1st quarter 2016
  - Social Gatherings:
    - Moved to 3rd Thursday for the next two months:
    - November 19th and December 17th
- Old business:
  - Field Day
    - Two choices - Pat's farm or Gamehaven
    - Gamehaven
      - First weekend with Cub Scouts so will require some logistics, but would have advantages for GOTA station
      - Use of grounds form will need to be filled out if we go to Gamehaven
      - Steve W0STV has transportation available for gear
      - Shelters will be needed for people and equipment
    - Restaurant sponsors in January for Field Day - HyVee, John Hardy's, etc.
    - Final numbers for 2015 are available
      - 22nd nationally
      - Still keep Minnesota Cup
    - Confidential feedback will be sent to president, review in January
      - Will include location feedback for Field Day
  - Ideas to get people to come to meetings

- Raffle tickets - Twin Cities DX club does this
  - 1/2 of money goes to club coffers or funds, other 1/2 goes to prizes/money back
  - Discuss at December meeting, vote on January
- Adopt a highway program for RARC
  - We have the potential to have a section of highway on Mayowood Road - signs would be updated to reflect this
  - 1.5 miles total
  - Ramps on highway would need to be cleaned too
  - Need to take it for 2 years, clean 3 times a year
  - Option to renew for additional years as well
  - Motion was proposed and passed to adopt this stretch of road
  - Preliminary meeting will occur before the first one of these next spring
  - Reflective vests are needed - ARES vests are acceptable
- New business:
  - Election discussion
    - December is when elections occur
    - If anyone would like to throw their hat in the ring for any club positions, please let John Scott NOHZN know
  - Christmas party
    - Form on website, please sign up ASAP and choose a menu
  - Mel KC0P is looking for microcontroller equipment/expertise so if you have any spare equipment please contact him
  - Business cards for the club/members of the club
    - Would have net information for contact, blank space for name and call
    - VistaPrint or other online source for cards
    - Cards would stay in club's possession, people who came to club meetings could pick up a few at a time
    - \$20 of the club's money to do this
    - Motion was proposed and passed to order this
    - Elyse W0CAY will do the design for the cards
  - Amazon Smile
    - Go to Smile.amazon.com to support RARC if you order things off of there
- Introductions were performed and meeting was adjourned at 7:37PM
- Program for this month was about ARRL awards programs

Minutes recorded and reported by Drew, KC0CJP, Secretary.



**RARC ROCHESTER AMATEUR RADIO CLUB, INC.**

P.O. BOX 1, ROCHESTER, MN 55903

## RARC Meeting Minutes for December 8th, 2015

- Meeting was brief due to holiday party - only the following items:
  - All leadership positions were re-elected for the next year:
    - Dan NOKZO President
    - John NZOS Vice President
    - Robert KORDA Treasurer
    - Drew KC0CJP Treasurer
  - There is a survey sent out through email about the club and some ideas for next year, please take the survey - results will be discussed at January's meeting
  - The survey also contains a question about Field Day 2016 preferred location
- Treasurer's Report
  - Displayed below

<b>Checking</b>	
<i>Opening Balance</i>	<b>\$6,480.59</b>
<i>Credits</i>	
Dues	\$565.00
Donation	\$50.00
Amazon Smile	\$5.37
<i>Debits</i>	
RPU	\$40.86
<b>Closing Balance</b>	<b>\$7,060.10</b>
<b>Savings</b>	
<i>Opening Balance</i>	\$4,692.52
<i>Credits</i>	
Interest	\$0.03
<i>Debits</i>	
<b>Closing Balance</b>	<b>\$4,692.55</b>
<b>Cash on hand</b>	<b>\$40.00</b>
<b>Total</b>	<b>\$11,792.65</b>

Minutes recorded and reported by Drew, KC0CJP, Secretary.



## ***Rochester Amateur Radio Club, Inc.***

P.O. Box 1, Rochester, MN 55903

[www.rarchams.org](http://www.rarchams.org)

### **RARC meeting for January 14, 2014**

Meeting was called to order by President, Peter WOLLN.

Jim, KD0ORO, treasurer was not present. Financial report was read in by President.

#### **Financial Report for December 2013**

##### **Checking**

12/1/2013	Beginning balance	439.27	
	Credits		
	From Paypal	75.00	Dues
	Deposit	433.58	76.58 donations, 50.00 for
	Deposit	175.00	class, 305.00 Dues
	Debits		150.00 Dues, 25.00 donation
	Rochester Public Utilities	<u>35.23</u>	
12/31/2013	Ending Balance	1087.62	

##### **Savings**

12/1/2013	Beginning balance	4691.73
	Interest earned	<u>0.03</u>
12/31/2013	Ending Balance	4691.76

Cash on hand	<u>40.00</u>
<b>End of Month Balance</b>	<b>5819.38</b>

Minutes from December meeting were posted on club website. Only thing of note was the election of new officers.

Technical Committee Report - Nothing reported by Rob, KC0FOW (Did have presentation after meeting though with club equipment and infrastructure listing)

Public Service - John, N0HZN was absent. Next public service event is Feb. 1st, Frozen Goose Run at RCTC. Sign up in on the website. Three were registered, needed several more. Other events sign up sheets and dates are also now listed on the website.

Contesting - Mel, KC0P spoke about the January VHF contest on the 18th and 19th. Reminded people about keeping logs and what information needed to be recorded and what the proper exchange was. Mel also spoke on the different categories of the contest and suggested going to the ARRL website (<http://www.arrl.org>) for a brush up on the contest rules and category definitions. Feb 1st is the HF - MN QSO Party (First Sat of February). This runs from 8am - 6pm local time. Log information includes Freq/Time/Call/Name/County. There are several other states with QSO Parties during the Jan/Feb months. Introductions were done - We had 20 members in attendance with 2 visitors. They were given Bill's, K0RGR, contact information since classes were upcoming.



Education - Bill, K0RGR, was not present but his upcoming Technician and General Classes were brought up and spoke about. More information on either please email Bill @ k0rgr@arrl.net

Social Gatherings - Last Friday of the month informal dinner has been moved from the American Legion to Rooster's off of W. Circle Rd (CR-22) by Cinemagic Theater. Meeting time is at 5:00 pm. Every Saturday morning is breakfast at Grandma's Kitchen on N. Broadway in the Silver Lake Shopping Center next to Burger King @ 7am. Also, each month before the RARC meeting we have a dinner at John Hardy's South on S. Broadway. We gather around 5:30pm then head to the meeting afterward.

ARES Update - Red Cross DST Training Meeting in Rochester is on Jan. 25th from 1p-5p. Recommended to be Red Cross registered volunteer, but it was mentioned that this may be being waived for this class to get people into it.

Meeting was adjourned at 19:00 by Peter, W0LLN.

After meeting was presented by Rob, KC0FOW, on "2014 Equipment & Infrastructure Update"  
After presentation, it was discussed about getting a more complete inventory of what equipment actually belongs to the club, and if we have things on loan, having pictures and updates sent to KC0FOW so we can get a complete inventory.

Minutes recorded and reported by Dan, N0KZO, Secretary.



# *Rochester Amateur Radio Club, Inc.*

P.O. Box 1, Rochester, MN 55903

www.rarchams.org

## **RARC meeting for February 11, 2014**

Meeting was called to order by President, Peter WOLLN

Jim, KD0ORO, treasurer was not present. Financial report was displayed on projector by NZOS.

### **Financial Report for January 2014**

#### **Checking**

1/1/2014	Beginning balance	1087.62	
	Credits	0.00	
	Debits		
	Check # 2766	78.00	Post office Box
	rental		
	Check # 2767	149.00	Website hosting fee
	Rochester Public Utilities	<u>36.03</u>	
	Total Debits	\$263.03	
	Out standing Checks		
	Check # 2765	<u>169.99</u>	
1/31/2014	Ending Balance	\$654.60	

#### **Savings**

1/1/2014	Beginning balance	4691.76
	Interest earned	0.03
	Debits	<u>0.00</u>
1/31/2014	Ending Balance	4691.79

Cash on hand	<u>40.00</u>
<b>1/31/2014 Ending Balance</b>	<b>\$5386.39</b>

Motion to approve January minutes was made. Dan, N0KZO, motioned to amend motion to include all currently unapproved minutes. Motion was voted and passed.

It was also noted that Jim, KD0ORO, had reported that we had a refund of past premiums paid from overpayment from insurance after adjustments were made to policy. Refunded premiums amounted to \$273.79. Due to this change, our premium is now lower also.

Technical Committee Report – Steve, W0STV, reported that there are issues with wind on the .82 repeater. These issues are being investigated.

Public Service - John, N0HZN was absent. The Frozen Goose Run was on the 1st. This was the first event of the season. The next public service event in in April and it is the March of Dimes Run. Sign up in on the website. Date has not been updated but will be soon. Other events sign-up sheets and dates are also now listed on the website. It was also mention about the Med City Marathon and beginning to think about getting more help with that event. We need about 18-20 people for that event to run smooth and cover all areas that need to be covered. If people would like to come out to see what it is all about, we can pair you with another person.

ARES Update – SkyWarn training will be on April 1st at the Event Center by the airport. Red Cross go teams are being assembled and are trying to get as many people as possible on the call list. There are not going to be new ARES badges this year as they are not recognized by officials. All ARES members are urged to be Red Cross registered to be able to get into disaster areas.

Membership – Looking at why numbers are dwindling. Looking at the things we do well and the things we need work on. (The program was about this and was to give feedback on what we want to see/do going forward and also to see what we have done or planned that was no longer effective.)

Contesting – We are past the major contesting season. January VHF contest logs are due by Feb. 18th. Field Day is June 28-29 and will be at Gamehaven once again this year. ARRL is celebrating 100 years and is looking for W1AW/0 operators. More information can be found on the ARRL website.

Introductions were done - We had 14 members in attendance.

Education - It was discussed about gaining more attention and visibility to the classes that Bill, KORGR, teaches and the testing sessions that are held here. The last test session was held on Feb 6th and had 9 attendees. Everyone either passed their initial, or upgraded one or two levels. It was discussed since there have been objections to becoming licensed due to costs that we start a “library” of Technician Books that Bill can maintain for his classes that students may borrow. A motion was brought to the table to allocate \$150 to education. \$80 would be for 4 Technician Books once the new ones are out in July, and the rest would be at Bill’s discretion for other supplies he has been paying out of pocket for in his past sessions.

Social Gatherings - Last Friday of the month informal dinner has been changed again. It is still at Rooster's off of W. Circle Rd (CR-22) by Cinemagic Theater, except it will now be on the last THURSDAY of the month. Meeting time is at 5:30. Every Saturday morning is breakfast at Grandma's Kitchen on N. Broadway in the Silver Lake Shopping Center next to Burger King @ 7am. Also, each month before the RARC meeting we have a dinner at John Hardy's South on S. Broadway. We gather around 5:30pm then head to the meeting afterward.

Our presentation was by John, NZOS, and dealt with the club and what we do well and where we can improve. The things we do well were agreed upon as Public Service, ARES/SkyWarn, Repeaters & Infrastructure, Field Day, Education, and Socializing (?).

Some of the points where we discussed needed work were: Recruitment; Marketing of the club and Amateur Radio; More Club Events; Fundraising(?); More balance between VHF and HF as a club focus.

For Recruitment - Steve W0STV and Elise W0CAY are going to work on a logo that can be put on apparel for the club. Lou KB0RZU will looking to pricing for patches for such stuff also.

Marketing – Bob AB0BW knows someone who would be willing to help with this. They are not affiliated with the club, but Bob could be the Public Information Officer for the club for authentication. Social media, Facebook and Twitter, along with other media are all potentials. The club does have 2 different Facebook pages, one as a Non-profit Organization and the other as a group.

More Club Events – Possibility of a club station at the KOA campsite. No purchasing of equipment would all be by donation. Equipment would be stored there and signed out to operators visiting. More to come on this when W0KOA & KB0KOA return to the area in spring. Possibility of doing mobile fox hunts was discussed. Details to be worked out on that one.

Fundraising – Seeing about corporate fundraising opportunities. Applebee’s was given as an example. John, NZOS will be researching this one.

John, NZOS, made a callout for anyone who as any input as to something they would like to see as a program for one of the meetings to drop him a line. Suggestions gain interest!

Meeting was adjourned at 20:30 by Peter, WOLLN.

Minutes recorded and reported by Dan, N0KZO, Secretary.



# *Rochester Amateur Radio Club, Inc.*

P.O. Box 1, Rochester, MN 55903

www.rarchams.org

## **RARC meeting for March 11, 2014**

Meeting was called to order by President, Peter WOLLN

Motion to approve February minutes was made. Motion was voted and passed.

Jim, KD0ORO, treasurer was not present. Financial report was displayed on projector by NZOS.

### **Financial Report for February 2014**

#### **Checking**

Beginning Balance 2/1/2014

\$824.59

Credits

Dues

85.00

United Way

60.73

Insurance refund

273.79

PayPal

295.00

Total Credits

714.52

Debits

Rochester Public Utilities

36.03

Outstanding Check

169.99

Total Debits

206.74

Ending Balance 2/28/2014

\$1332.37

#### **Savings**

Beginning Balance 2/1/2014

4691.79

Interest earned

0.04

Debits

0.00

Ending Balance

4691.83

Cash on hand

40.00

**End of the month**

**\$6064.20**

Current Members

45

Technical Committee Report – Our Digipeater power supply is cutting out for no apparent reason. Turn off and on and it works just fine. It may be possibly getting some RF interference causing the cut-out. The D-STAR internet connection is dropping out again. They are unsure of the reasons at this time. Tech committee is looking for members; contact Rob, KC0FOW if interested.

Public Service – Next event is March of Dimes Run on April 26th. There are only 4 sign-ups at the moment. We are still looking for another 9 to make the event easier. Other events sign-up sheets and dates are also now listed on the website. It was also mention about the Med City Marathon and beginning to think about getting more help with that event. We need about 18-20 people for that event to run smooth and cover all areas that need to be covered. If people would like to come out to see what it is all about, we can pair you with another person.

ARES – SkyWarn training will be on April 1st @ 6:30pm at the Event Center by the airport. Training is required every 2 years for participation in SkyWarn events. Topic this year will be small tornados, F0 & F1 size. Homepage has more info and link to NWS page. There will be an informal social pre-meeting dinner at Pizza Ranch in Stewartville starting after 5pm.

Field Day – Grant, K1KD, is heading up the Field Day committee. We will not be at Gamehaven Scout Camp this year due to getting bumped by a group renting the entire camp during that time. The KOA campground was brought up as a possibility and will be investigated when Barb and Roger return from Florida.

Social Gatherings - Last Thursday of the month informal dinner is at Rooster's off of W. Circle Rd (CR-22) by Cinemagic Theater. Gathering time is at 5:30. Last month we had 10 people show up. Every Saturday morning is breakfast at Grandma's Kitchen on N. Broadway in the Silver Lake Shopping Center next to Burger King @ 7am. Also, each month before the RARC meeting we have a dinner at John Hardy's South on S. Broadway. We gather around 5:30pm then head to the meeting afterward.

Contesting – Field Day is June 28-29 and location is TBD. ARRL is celebrating 100 years and is looking for W1AW/0 operators. More information can be found on the ARRL website. They are looking for around the 6/11 – 6/20 date range.

Introductions were done - We had 14 members in attendance.

Education – Lou, KD0RZU was looking for help with scouts for their Radio Badge. It is being held at Lourdes on Saturday, March 15th, and he needs 3-5 more people to help with demonstrations.

Special Events – Neil, W0VLZ, brought up using a special event station (and explained the operating rules) for Mayo Clinic Sesquicentennial. He applied for the call K0M and has a work up of a possible QSL card for the station. Looking at the 2nd weekend of August (9th & 10th) at the KOA campgrounds (to be confirmed). Neil is working with Mayo Press Office and with local press for publicity. May keep call for the club picnic/meeting in August also. Neil has a website set up at <http://radiok0m.wordpress.com> with info and an image of the QSL card.

Membership – Another reminder that 2014 membership dues are now due. You can pay them in-person with cash or check, or via PayPal at [www.rarchams.org/PayPal.htm](http://www.rarchams.org/PayPal.htm).

Our presentation was by Greg Widin, K0GW, the ARRL Dakota Division Director.

Greg presented a slideshow of the ARRL Offices and Facilities, Officers (and what they are in charge of), and spoke about different things going on with the ARRL for their 100th Anniversary.

Minutes recorded and reported by Dan, N0KZO, Secretary.



# ***Rochester Amateur Radio Club, Inc.***

P.O. Box 1, Rochester, MN 55903

www.rarchams.org

## **RARC Meeting Minutes for April 8, 2014**

Meeting was called to order by President, Peter WOLLN @ 18:30

Motion to approve March minutes was made. Motion was voted and passed.

### **Financial Report for March 2014**

#### **Checking**

Beginning Balance 3/1/2014	\$1502.36
Credits	
Dues	\$205.00
PayPal (Dues)	\$125.00
<u>Donation</u>	<u>\$85.00</u>
Total Credits	\$ 415.00
Debits	
Rochester Public Utilities	-\$36.63
<u>Check #2765</u>	<u>-\$169.99</u>
Total Debits	-\$206.62
Ending Balance 3/31/2014	\$1710.74
<b><u>Savings</u></b>	
Beginning Balance 3/1/2014	\$4691.83
Interest earned	\$0.03
Debits	<u>-\$0.00</u>
Ending Balance 3/31/2014	\$4691.86
Cash on hand	<u>\$40.00</u>
<b>End of the month</b>	<b>\$6442.60</b>

Public Service – Next event is March of Dimes Run on April 26th. There are only 9 signups at the moment. We are still looking for another 4 to make the event easier. Other events sign-up sheets and dates are also now listed on the website. It was also mention about the Med City Marathon and beginning to think about getting more help with that event. We need about 18-20 people for that event to run smooth and cover all areas that need to be covered. If people would like to come out to see what it is all about, we can pair you with another person.

ARES – SkyWarn training was on April 1st @ 6:30pm at the Event Center. Training is required every 2 years for participation in SkyWarn events. If you missed this training session and still need to be trained/renewed, visit the NWS homepage to see other area training times and locations. Topic this year was small tornados, F0 & F1 size. Homepage has more info and link to NWS page. There were about 14 active people at this month's meeting. There will also be a SkyWarn Net this Monday, April 14th @ 9pm as we are now in the startup of our active season. This net will cover preparedness and a reminder on procedures.



Technical Committee Report – There was no updates to report. Our Digipeater power supply has been cutting out for no apparent reason. Turn off and on and it works just fine. Has not had any issues this month.

Membership & Budget Discussion – Our annual budget is approx. \$2,100 in outflow. Currently we have 57 paid members for this year. Another reminder that 2014 membership dues are now due. You can pay them in-person with cash or check, or via PayPal at [www.rarchams.org/PayPal.htm](http://www.rarchams.org/PayPal.htm). Peter will be sending out emails to former members and those who have yet to renew for this year.

Field Day – Grant, K1KD, is heading up the Field Day committee We will not be at Gamehaven Scout Camp this year due to getting bumped by a group renting the entire camp during that time. Pat's farm and the KOA campground have been brought up as a possibility and are being investigated. A budget was proposed of \$510 for this year. There was also discussion for an ongoing fund that rolls over from year to year for new equipment.

Education – Lou, KD0RZU helped with scouts for their Radio Badge at Lourdes High School on March 15th. Bill (K0RGR), Matt (K0OMI), and Steve (W0STV) helped with demonstrations in the PM session. The AM session was conducted by the Winona ARC. Both sessions had 15 scouts each.

Testing – There will be testing session at the American Red Cross Bldg on May 8th @ 6:30pm. This is an open testing session and is listed on the ARRL Website.

Special Events – Neil, W0VLZ, applied for the call K0M in honor of Mayo's Sesquicentennial and has QSL card for the station. This will take place the weekend of August (9th & 10th) at the KOA campgrounds. Neil is working with Mayo Press Office and with local press for publicity. May keep call for the club picnic/meeting in August also. A website has been set up at <http://radiok0m.wordpress.com> with info and an image of the QSL card.

Introductions were done – We had 34 members in attendance.

Our presentation was by Mike Bromberg, KD0EBO, Assistant Deputy Director of Homeland Security for Olmsted County. Mike gave us a rundown of the new EOC and the updates and capabilities of it. Mike also gave examples of how flexible the new layout is and how different situations can work out. Afterward, we were able to see a few of the different areas including the backup Dispatch Center, the Conference Room (where the meeting was held and where most Command OPS things would happen), and the Weather Room. Along with the presentation of the EOC, Mike also informed us that the 147.255 repeater was replaced last year and that this new one should last for 10-15 years. It will still carry the call W0EAS because of Dave Carr's work with the Sherriff Dept. and Olmsted County.

Minutes recorded and reported by Dan, N0KZO, Secretary.





# *Rochester Amateur Radio Club, Inc.*

P.O. Box 1, Rochester, MN 55903

www.rarchams.org

## **RARC Meeting Minutes for May 13, 2014**

Meeting was called to order by President, Peter WOLLN @ 18:35

Due to issues, April Minutes were not posted on club website. Dan, N0KZO, did post them to the Facebook pages. They will be handled at the next meeting along with May minutes.

Treasurer's Report – Jim, KD0ORO read in the report.

### **Financial Report for April 2014**

#### **Checking**

Beginning Balance 4/1/2014	\$1710.74
Credits	
<u>Dues</u>	<u>\$160.00</u>
Total Credits	\$160.00
Debits	
<u>Rochester Public Utilities</u>	<u>-\$36.41</u>
Total Debits	-\$36.41

Ending Balance 4/30/2014                      \$1834.33

#### **Savings**

Beginning Balance 4/1/2014	\$4691.86
Interest earned	\$0.03
Debits	<u>-\$0.00</u>
Ending Balance 4/30/2014	\$4691.89

Cash on hand	<u>\$40.00</u>
<b>End of the month</b>	<b>\$6566.22</b>

Technical Committee Report – There was no updates to report. There was no meeting this month.

Public Service – Next event is the Stay out of the Sun Run on May 16th. We have 9 signed up. Med City Marathon is fast approaching. We currently have 14 signed up. We need about 18-20 people for that event to run smooth and cover all areas that need to be covered. Requests for help have been sent to Austin and Waseca clubs. If people would like to come out to see what it is all about, we can pair you with another person. Other events sign-up sheets and dates are also now listed on the website.

Education – Bill, K0RGR, had 7 in his class this past couple weeks. His next class will be at the end of July.

Testing – There was a testing session on the 8th. We had 6 people test. Final results were 2 Extra, 2 General, and 1 Tech.

ARES – No report this month.

Equipment – The old small trailer with the antenna tower that would not go completely vertical that was given to Peter Cross (WOSA) has been fixed up by him and he has approached the club for a possible donation back to the club. He would like to retain the ability to use it personally if they do not interfere with club activities. Further discussion will need to be made after someone has been out to visually inspect the trailer.

Contesting – Dan read an email sent by Greg, K0GW and Bill, AC0W, about the ARRL Centennial W1AW/0. This is coming up again for Minnesota from June 11-17. There are still slots available to participate and people are encouraged to. Scott (K0MD), Fred (K4IU), and Grant (K1KD) have offered assistance for those w/o experience and/or proper equipment. You can contact them directly or you can go on your own and contact Bill (AC0W) at [mnwlaw@charter.net](mailto:mnwlaw@charter.net) to request/reserve a slot. Slots can be found at <http://sdrv.ms/1dSbef5>. Anyone wanting to do VHF or UHF, you can contact [W0ZQ@aol.com](mailto:W0ZQ@aol.com) as he is handling that area.

Membership – Another reminder that 2014 membership dues are now due. You can pay them in-person with cash/check or via PayPal at [www.rarchams.org/PayPal.htm](http://www.rarchams.org/PayPal.htm).

Patch Designs – Elise, W0CAY, brought with her the designs she created for the club. It was narrowed down to a specific style, but after group discussion, she will make some changes and present more options for review. Pricing is also being checked on for better ideas.

Field Day – Grant, K1KD, is head of the Field Day committee. We will be having it at Pat Cahill's (W0BM) farm south of Kasson. We will be operating as 3A + VHF + QRP + GOTA. A sign-up sheet was passed around for operators, setup/teardown, and for food. Lunch on Sat will be provided by Dan, N0KZO and Papa John's Pizza along with 24 bottles of water for each station. Sat dinner will be a Pot Luck, and Sun breakfast is still up in the air. Anyone not at the meeting that wants to sign up, please contact Grant to get onto the list.

Introductions were done - We had 40 members in attendance.

Our presentation was by Fred Regennitter, K4IU, about contesting.

Minutes recorded and reported by Dan, N0KZO, Secretary.



# ***Rochester Amateur Radio Club, Inc.***

P.O. Box 1, Rochester, MN 55903

www.rarchams.org

## **RARC Meeting Minutes for June 10, 2014**

Meeting was called to order by President, Peter WOLLN @ 18:30

Skip Jackson, KS0J, Section Manager Dakota Division for ARRL, presented the club with the Minnesota Cup and certificate for last year's winning Field Day points standings. The cup and certificate are currently in the possession of N0KZO.

Peter announced that the club had some equipment donated to it. Of note, two (2) Heathkit rigs (non-kit). One will most likely will be used at Field Day. The other, a QRP model, along with several other boxes of things will attempt to be sold. A donation of a Variable Arc Meter and a Power Conditioner was also made. The trailer Peter Cross was considering dotation will not be donated, but will be made available to us for Field Day.

Dan, N0KZO, noticed a typo on the May Minutes posted. He has corrected them and they will be uploaded correctly with the June Minutes. April & May (as amended) were motioned and voted approved.

Treasurer's Report – Jim, KD0ORO read in the report.

### **Financial Report for May 2014**

#### **Checking**

Beginning Balance 5/1/2014	\$1834.33
Credits	
<u>Dues</u>	<u>\$0.00</u>
Total Credits	\$0.00
Debits	
<u>Rochester Public Utilities</u>	<u>-\$36.31</u>
Total Debits	-\$36.31
Ending Balance 5/31/2014	\$1798.02

#### **Savings**

Beginning Balance 5/1/2014	\$4691.89
Interest earned	\$0.03
Debits	<u>-\$0.00</u>
Ending Balance 5/31/2014	\$4691.92

Cash on hand	<u>\$40.00</u>
<b>End of the month</b>	<b>\$6529.94</b>

Current membership count: 74

Technical Committee Report – There was a Tech committee meeting before the main meeting. Rob,

KCOFOW, reported that the .82 repeater noise that has been reported to him is most likely coming from bad weather (i.e. wind) and also from the age and degrading condition of the tower it is currently on. Other tower options are starting to be explored. The .625 repeater and the Digipeater are all ok with nothing to report. Our D-STAR repeater has had the D-RATS software installed for possible future use in EMCOMM situations.

Public Service – Med City Marathon went well. We are starting to get involved with the Business Band radios as well with the event to help control and organize information better. Chesterwoods run also went well for everyone. Our next events are the Triathlon on the 22nd and the RochesterFest Parade on the 27th. We are still in need of more volunteers to come out and help with these events.

Education – Bill, KORGR, has a class the last week of July. It will include both the Tech (Weekends) and General (Weekdays). He is also in process of getting more books for “loan” to people wishing to study for the tests.

Testing – The next testing session is August 7th.

ARES – Reapplication will be done this year to make sure all information is up-to-date. Preparations are beginning for the SET in October. Discussion was made about possible additions to the Sunday night net (at 9pm on the .82 repeater) to increase further interest in the nets.

Equipment – The old small trailer with the antenna tower that would not go completely vertical that was given to Peter Cross (WOSA) has been fixed up by him and he has approached the club for a possible donation back to the club. He would like to retain the ability to use it personally if they do not interfere with club activities. Further discussion will need to be made after someone has been out to visually inspect the trailer.

Membership – Another reminder that 2014 membership dues are now due. You can pay them in-person with cash/check or via PayPal at [www.rarchams.org/PayPal.htm](http://www.rarchams.org/PayPal.htm). Currently we have 74 members.

Patch Designs – Elise, W0CAY, brought with her the finalized designs she created for the club. They were passed around and voted upon. Our new logo will begin appearing shortly on Facebook, the club website and also badges and other club apparel (once those channels are opened to us).

Introductions were done - We had 29 members in attendance.

Our presentation was by Grant, K1KD, about our Field Day plan.

Minutes recorded and reported by Dan, N0KZO, Secretary.



## ***Rochester Amateur Radio Club, Inc.***

P.O. Box 1, Rochester, MN 55903

www.rarchams.org

### **RARC Meeting Minutes for July 8, 2014**

Meeting was called to order by President, Peter WOLLN @ 18:33

Motion to approve June minutes and May's corrected minutes (for typo) was made and approved.

Treasurer's Report – Jim, KD0ORO, was absent. Report was displayed for members to see. Field Day budget/expenses are yet to be determined.

#### **Financial Report for June 2014**

##### **Checking**

Beginning Balance 6/1/2014	\$1798.02
Credits	
Credit on Service Charge	\$3.00
<u>Dues (Paypal)</u>	<u>\$25.00</u>
Total Credits	\$28.00
Debits	
Analysis Fee from Bank	-\$3.00
<u>Rochester Public Utilities</u>	<u>-\$36.72</u>
Total Debits	-\$39.72

Ending Balance 6/30/2014	\$1786.30
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##### **Savings**

Beginning Balance 5/1/2014	\$4691.92
Interest earned	\$0.04
Debits	<u>-\$0.00</u>
Ending Balance 5/31/2014	\$4691.96

Cash on hand	<u>\$40.00</u>
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<b>End of the month</b>	<b>\$6519.26</b>
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Technical Committee Report – Nothing to report. No meeting this month

Public Service – Next 2 events for Public Service is the Healthy Human Race on August 23rd, and then the Tour de Cure on September 20th. We are still looking for volunteers for these events.

Education – Bill, K0RGR, has a Tech class on Saturday, July 26th and continuing on Aug 2nd. There also is a General class in the evening on July 29th & 31st, then continuing August 5th & 7th. He is also in process of getting more books for “loan” to people wishing to study for the tests.

Testing – The next testing session is August 7th.

ARES – Doomsday Expo was cancelled due to lack of interest. Tri-county ARES meeting will be on July



30th at the Red Cross Building in Rochester @ 7pm for the Dodge, Olmsted & Filmore county ARES teams.

Membership – Another reminder that 2014 membership dues are now due. You can pay them in-person with cash/check or via PayPal at [www.rarchams.org/PayPal.htm](http://www.rarchams.org/PayPal.htm).

Field Day Wrap-Up – Logs are in process. Attendance was down from previous years. CW was short operators and such was down contacts from last year. GOTA did VERY well. QRP was having Mother Nature issues this year.

KOM Update – Niel, W0VLZ, has the KOM special station call from Aug 7th – Aug 12th. We will be operating the call from the KOA campground (Thank you Roger (W0KOA) and Barb (KB0KOA)) on Saturday (With a Friday setup at 12pm and teardown Sunday morning). We will be using the newly acquired club equipment with a 40m dipole with ladderline. Since this is a special event station, there are no special rules or specific exchanges. QST, ARRL, QRZ and eHam will all have mention of the special call. There is also a special KOM website (link on the club homepage). QSL cards will go out in Oct after final tally for printing. There are several timeslots for people who would like to use the call. There is a link on the club homepage for signing up.

August Meeting/Picnic – The traditional August meeting will be held at the KOA campgrounds and we have a budget of \$150 set aside for things. The club is buying: meat, buns, condiments and utensils. AB0BW is planning a foxhunt and there is an onsite playground and pool for the kiddies. This is open to all hams. Peter is also working on operating KOM during that time.

Introductions were done - We had 20 members in attendance.

Our presentation was by Steve, W0STV, about mobile installs. The do's, don'ts and what to look out for when doing it yourself along with best practices.

Minutes recorded and reported by Dan, N0KZO, Secretary.







# ***Rochester Amateur Radio Club, Inc.***

P.O. Box 1, Rochester, MN 55903

[www.rarchams.org](http://www.rarchams.org)

## **RARC Meeting Minutes for September 9, 2014**

Meeting was called to order by President, Peter WØLLN @ 18:34

Motion to approve July minutes was made and approved.

Treasurer's Report – Jim, KDØORO, was absent. Report was displayed for members to see. Field Day budget/expenses are yet to be determined.

### **Financial Report for August 2014**

#### **Checking**

Beginning Balance 8/1/2014	\$1773.79
Credits	
<u>Dues (Paypal)</u>	<u>\$50.00</u>
Total Credits	\$50.00
Debits	
<u>Rochester Public Utilities</u>	<u>-\$38.29</u>
Total Debits	-\$38.29

Ending Balance 8/31/2014                   \$1785.50

#### **Savings**

Beginning Balance 8/1/2014	\$4691.99
Interest earned	\$0.03
Debits	<u>-\$0.00</u>
Ending Balance 8/31/2014	\$4692.02

Cash on hand                                   \$41.00

**End of the month                           \$6518.52**

Technical Committee Report – IBM grant time. Proposals are due by the end of September. Discussion was made for different projects. Some ideas were: Dodge County Repeater, .82 repeater upgrade, purchase of HT's for club use/loan, HF rig for Red Cross. Rob (KCØFOW) & Robert (KØRDA) are handling the proposals.

Public Service – Tour de Cure is the next event on September 20th. There will be a total of 5 routes to cover. Gamehaven is the last of the events for this year on November 8th. Sign-ups are on the website under the Public Service link.

Education – Bill, KØRGR, will have his next Technician class starting the last Saturday in October. You can sign up on the club website.

Testing –The next testing session will be on November 6th @ 6:30 at the American Red Cross.

ARES – Nothing to report.

Field Day Wrap-Up – Attendance was down from previous years. Almost all bonus points were aquired. Our total score was 8290. Bonus Points: 1730. All youth bonus. GOTA - 200+ contacts & 280 Bonus points. QSO's: 1500-CW, 60-Digi, 1059-Phone. Another great year as a club and a thanks to all the operators, helpers, transporters, cooks, supplies, and the equipment. Motion was made for a \$50 gift card to Hubble House + 1 year membership to club for Pat Cahill (WØBM) as thank you for use of his property for Field Day. Motion was approved,

KØM Update – Niel, WØVLZ, had the KØM special station call from Aug 7th – Aug 12th. There were 3 people who operated as KØM from their home also. They were Bill (KØRGR), Roger (WØKOA) & Peter (WØSA). Total were: QSO-214, States-39, Countries-12. KAAL News covered the event during the August Picnic. QSL cards are to be sent out upon request. A possiblity of doing this again next year was brought up and will be discussed. Pictures are up on website. A special thanks to Roger (WØKOA) & Barb (KBØKOA) for offering their site for the Picnic and event. We were offered to come back again next year. A motion was made for a \$50 gift card + 1 year club membership in appreciation. Although they objected, motion was voted on and passed.

Introductions were done - We had 24 members in attendance.

Our presentation was by Robert, KØRDA, about NIMS, FEMA, and his experience working at FEMA.

Minutes recorded and reported by Dan, NØKZO, Secretary.



# ***Rochester Amateur Radio Club, Inc.***

P.O. Box 1, Rochester, MN 55903

www.rarchams.org

## **RARC Meeting Minutes for October 14, 2014**

Meeting was called to order by President, Peter WØLLN @ 18:31

Motion to approve September's minutes was made and approved.

Treasurer's Report – Jim, KDØORO, read in the financial report.

### **Financial Report for September 2014**

#### **Checking**

Beginning Balance 9/1/2014	\$1785.50
Credits	
Ins Claim Payment	\$100.00
United Way	\$123.27
<u>Dues</u>	<u>\$220.00</u>
Total Credits	\$443.27
Debits	
<u>Rochester Public Utilities</u>	<u>-\$38.29</u>
Total Debits	-\$38.29

Ending Balance 9/30/2014                      \$2190.48

#### **Savings**

Beginning Balance 9/1/2014	\$4692.02
Interest earned	\$0.04
Debits	<u>-\$0.00</u>
Ending Balance 9/30/2014	\$4692.06

Cash on hand                                      \$41.00

**End of the month                                      \$6923.54**

Peter, WØLLN, reminded everyone that dues for 2015 are now due and that payments can be made in person, by mail or on Paypal.

Our insurance company has cancelled our insurance due to too many claims. John, NØHZN, is appealing the decision and waiting to hear back. Our group liability thru the ARRL is still intact. Discussion followed and decided may be best to self-insure. Quotes were being looked into this month. Decision deferred until next month.

Technical Committee Report – No meeting this month. IBM upped the grant from \$1500 to \$2000. Due to the way the proposal was written, anything Amateur Radio related would be covered.

Public Service – One event remains for this year. Gamehaven Cross-Country Run on November 8th. Steve, WØSTV, is running that event. In need of 6 people for the event for optimal coverage. We had 175 riders in

the Tour de Cure last month. Next event will be the beginning of the 2015 season with the Frozen Goose Run in February.

Education – Bill, KØRGR, will have his next Technician class starting the last Saturday in October. You can sign up on the club website.

Testing –The next testing session will be on November 6th @ 6:30 at the American Red Cross.

ARES –The S.E.T. (Simulated Emergency Test) was October 4th. It was a 2 part setup with State and Local participation. HF communication system at KOA in ARES trailer. We used NVIS to pass messages from KØRGR to Hennipin County. Showed off D-STAR and gave a few demonstrations during the event.

Contesting – Jamboree on the Air is this weekend. 10 meter has been open on and off. Use it while you can. 10 meter net still happens on 28.325. See the nets page for more details and times

Elections - It is that time of year again for nomination of officers and the nominating committee. John, NØHZN, is heading up the committee. Anyone interested in the committee or in becoming an officer, contact John.

Christmas Party - Old Country Buffett was the location for last years dinner. Eagles club or Pizza Ranch in Stewertville were mentioned as possible locations for this year. Other mentions were Victoria's, Green Mill, and Binkies North. Will decide next month.

Field Day 2015 - Gamehaven is asking if we want to be there next year. Logistics would be a problem as in years past for that location. Item is tabled in absence of Grant K1KD, and Pat WØBM.

Other Business - Steve, WØSTV, mentioned about a possible Adopt-A-Highway for added publicity. Would be Highway 52 around the 75th St Nw overpass. He will check into details and advise later.

Introductions were done - We had 23 members in attendance.

Our presentation was by Rob, KCØFOW, on D-STAR.

Minutes recorded and reported by Dan, NØKZO, Secretary.



## ***Rochester Amateur Radio Club, Inc.***

P.O. Box 1, Rochester, MN 55903

www.rarchams.org

### **RARC Meeting Minutes for November 12, 2014**

Meeting was called to order by President, Peter WØLLN @ 18:33

Motion to approve September's minutes was made and approved.

Treasurer's Report – Jim, KDØORO, read in the financial report.

#### **Financial Report for October 2014**

##### **Checking**

Beginning Balance 10/1/2014	\$2190.48
Credits	
<u>PayPal (Dues)</u>	<u>\$25.00</u>
Total Credits	\$25.00
Debits	
<u>Rochester Public Utilities</u>	<u>-\$37.39</u>
Total Debits	-\$37.39
Ending Balance 10/31/2014	\$2178.09

##### **Savings**

Beginning Balance 10/1/2014	\$4692.06
Interest earned	\$0.03
Debits	<u>-\$0.00</u>
Ending Balance 10/31/2014	\$4692.09

Cash on hand	<u>\$41.10</u>
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<b>End of the month</b>	<b>\$6911.28</b>
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Technical Committee Report – No meeting this month. Times on repeaters have been reset.

Public Service – Gamehaven Cross-Country Run on November 8th. Steve, WØSTV, headed up that event with 5 volunteers and went well. Next event will be the beginning of the 2015 season with the Frozen Goose Run in February.

ARES – There was discussion about OPSCOMM and also a reminder to have simplex frequencies in radios for back-up to the repeaters for the Sunday Night nets.

Education – Bill had his last class just before the testing session. Awaiting licensing to see who from the class passed.

Testing – November 6th was our most recent session at the American Red Cross. We had 4 testers, with one

getting Technician and one getting both Tech and General.

Contesting – Sweeps this weekend (14th-16th) is SSB mode. Sunday Bill, KØRGR, will open classroom to people who want to participate. A reminder email will be sent through the Yahoo! Groups distribution group.

KØM - Waiting to see how many more people want QSL cards to get a final count on number sent.

Elections - The following are the nominations for next years officers from the committee. President -Dan NØKZO, Vice President - John NZØS, Treasurer - Robert KØRDA, Secretary - Drew KCØCJP

Christmas Party - Victoria's on December 9th @ 6:30pm was the decision of the majority who responded to the poll. Menu's and information have been posted on the website. We do need 20 people to confirm and to chose from one of the 4 menus available. John, NZØS, is spearheading this.

Field Day 2015 - Peter, WØLLN, is heading the committee this year. Discussions and planning have been tabled until the January meeting.

Adopt-A-Highway - Steve. WØSTV, is looking into getting more info from MNDot.

SkyWarn - SkyWarn Appreciation @ LaCrosse Weather Service Office is on December 6th. Steve, WØSTV, is trying to get a group to carpool together for the event.

Monthly Social - Several different options have been discussed for moving the event from Roosters. November and December have been moved up one week due to holidays.

Peter, WØLLN, reminded everone that dues for 2015 are now due and that payments can be made in person, by mail or on Paypal.

Introductions were done - We had 20 members in attendance.

We had dual presentations this month. The first was by N4EJ about Remote Control Radio with demonstrations. The second was from KCØUCN about proper grounding.

Minutes recorded and reported by Dan, NØKZO, Secretary.



**ROCHESTER AMATEUR RADIO CLUB, INC.**  
 P.O. BOX 1, ROCHESTER, MN 55903

## RARC meeting for December 9, 2014

The Annual Election Meeting was called to order at 7:00 PM by Peter Wollan at Victoria's Restaurant with approximately 30 members present.

The Nominating Committee submitted the following nominations for 2015 RARC officers:

- Dan NØKZO for President
- John NZØS for Vice President
- Drew KCØCJP for Secretary
- Robert KØRDA for Treasurer

A motion was made and passed to record a vote for all the nominees.

The treasurer's report was submitted via email to current officers and is included here:

<b>Rochester Amateur Radio Club Final Report for November 2014</b>		
<u>Checking:</u>		
Beginning Balance 11/1/2014		\$2177.69
Debits		
RPU		36.96
Credits		
Donation (IBM)		<u>2000.00</u>
Ending Balance 11/30/2014		\$4140.73
<u>Savings:</u>		
Beginning Balance 11/1/2014		\$4692.09
Credits		
Interest earned		0.04
Debits		
none		
Ending Balance 11/30/2014		<u>\$4692.13</u>
Cash on hand		\$40.10
Ending Balance 11/30/2014		<u>\$8874.96</u>

Meeting was adjourned at 7:10 PM.

Submitted by Bob KCØGND *for*

Dan NØKZO,  
 RARC secretary.





The January 2013 meeting was opened by Peter Wollan, WØLLN, at 6:38 PM with 22 members present.

Opening statement, referenced that we need more members. We need more activities. A better system for new licensed people. Get them involved in public service, skywarn, and operating modes. We discussed setting up a web for on line meetings and information. To be reviewed at future club meetings.

Minutes for November and December meetings where approved.

There was no treasurers report at the meeting. The following was submitted via email:

- Per Club Bylaw Section 7.8, the **RARC 2012 annual written report** is at:  
[http://www.rarchams.org/finance/RARC\\_Financial\\_2012.htm](http://www.rarchams.org/finance/RARC_Financial_2012.htm)

Tech report- KC0FOW: Simpson APRS digi-peater has been replaced and working with the call sign WOMXW-2.

Public Service-KC0GND: All 2013 public service events are on the RARC web. The first is the Frozen Goose event on February 2nd.

Contesting - KC0P: Reviewed times and rules of the January VHF contest. He handed out a schedule to contact him during the event. The logs will be on the web site.

Education-KC0RGR: First tech class is on January 26th from 8 to 5 with lunch. The cost is \$25.00 for the class. Each student needs to purchase their own book. The sign up is on the web site. VE testing dates are posted.

ARES-KC0FOW: The 2013 ARES ID's are ready. They will be mailed out if you are unable to pick your badge up. The new NCS schedule will be out soon. Contact Rob Richter if you want to change your status or to sign up.

We did a present members information call. The meeting ending at 6:55 PM.

Berry Altman W6GFN started his program on disaster communications at 6:59 PM.

Submitted by Steve W0STV Secretary, 73



**ROCHESTER AMATEUR RADIO CLUB, INC.**  
P. O. BOX 1, ROCHESTER, MN 55903

6:32 Meeting called to order.

Minutes, including 2012 annual financial report, accepted.

Treasurer Report:

January:

Interest 0.04

Dues 160.00

Electric -35.84

Repeater Supplies -22.93

February:

Interest 0.04

Dues 160.00

UW Donation 27.11

Electric -35.94

Also got a \$260 donation pledge from Bill Osler K0RGR via United Way.

The audit of 2012 transactions was completed by KC0FOW.

Tech Report: Digipeater stolen again. Police report filed. Serial number of the Digipeater is Kantronics TNC KPC3 11K185319. Astron Power Supply 2012110036. Radio Icom IC-229H 02383

New Business: K0RGR Bill posted about ISS contact. Have one possible with Kasson Mantorville Schools. Deadline in 3 weeks. Bill also had a license class with 3 students. 7 people took test at the last session.

Public Service: KC0FOW reported on Frozen Goose on Feb 2. 6 hams were there, no incidents. March is Beargrease race. April is Ultra Marathon - Zumbro Bottoms race.

Contesting: Jan VHF contest - turn in logs. Field Day info was posted on ARRL web site. GOTA rules are more relaxed. Time to start planning for this year. Grant is our Chair again this year.

Introductions were done. 24 people in the meeting. Meeting adjourned at 6:55 pm.

Presentation is Scott Neader, KA9FOX, talking about selling and buying Ham radio gear online.

Submitted by Robert K0RDA.



**ROCHESTER AMATEUR RADIO CLUB, INC.**  
P.O. BOX 1, ROCHESTER, MN 55903

### **RARC meeting minutes for March 12, 2013**

Meeting called to order by President Peter Wollen at 6:34PM with 23 members present.

Tech report by John N0HZN: KTTC has put an alarm on the door of their tower site. We have not ordered any replacements yet.

Public service report by John N0HZN: May is the first spring event. Check the RARC web site for information and to sign up ahead of time.

Skywarn training for Olmsted and surrounding counties is April 1st at the Rochester Event Center.

Field Day is on June 22-23. We need to look at expenses for 2013. A tri-band antenna, and band pass filters, are needed. Cost range from 200 to 325 dollars estimated. Gamehaven site needs to be locked in before the April meeting. Field day will not be catered. It will be potluck with on site cooking for the main meals.

February's meeting minute where approved.

Treasurer's report was given.

Dues: \$270.00  
Interest: \$0.04  
Electricity: -\$35.73

Checking:  
\$1917.72  
Savings:  
\$5691.42  
Cash:  
\$20.00  
Total:  
\$7629.14

59 members so far

Steve W0STV gave a report on working the Beargrease Sled Dog Race in Duluth.

After a short break Robert K0RDA gave a program on NIMS structure of operations.

Submitted by Steve W0STV, Secretary



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### **RARC meeting minutes for April 9th 2013**

Meeting called to order by President Peter Wollen at 6:30 PM with 25 members present.

Treasurers report: The club's accounting books have been turned over to our new treasurer Jim KD0ORO for the duration of the year. Robert Andrews will be leaving the area.

The by-laws allows the current RARC officers to delegate any office vacancy in the club by their majority vote. Thanks for taking over Jim.

Technical committee reports the check for the stolen APRS equipment is in the mail. They will be checking for used replacement items to put back on the air.

Public service report: Events are starting in May, and are on the RARC web site for information and to sign up. Please take time to visit it. The Med City marathon will have the NCS stations inside the EM-50 using several frequencies and NCS operators. Steve W0STV will bring another station set up, to supplement the ham gear currently in the EM-50. Peter WOLLEN, and Bob ABOBW will be working public service for the Zumbro 100 run this week. John N0HZN requested a purchase of two more APRS trackers for the Med City marathon and sky-warn. The club approved \$600.00 for their purchase. The club will own 4 units.

Field day review by Grant K1KD: The game-haven site has been approved. There are some changes for 2013. The administration building is off limits that includes the bathrooms. The GOTA station can be set up in the area but for the safety of the kids no vehicle traffic is allowed in the area. A new building is under construction just SE of the administration parking lot. This MAY be used for our food preparation, weather shelter, and distribution area. We are doing pot luck for side dishes and the club is supplying the main food items. We need another station shelter or trailer at field day. Dave Thompson is checking on the use of the explorer trailer but not sure if it will be available. We will be a 3A site with 3, IC7700 radios loaned to us from ICOM. The GOTA station needs their own equipment and may have a digital mode this year. A 40 meter beam is needed for field day. If you know of a used one for sale, or one we can temporarily use contact Grant K1KD. Items requested for field day to update club equipment where 100 feet of rotor cable, a receive antenna(s), plus the port-a-potty, food, beverages, and gas. expenses. The club approved \$600.00 for initial expenses.

The meeting ended at 7:23PM.

Bill K0RGR started the program at 7:31PM on testing club members equipment and antenna operating specifications.

Submitted by Steve W0STV, RARC Secretary



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**RARC meeting minutes for May 14, 2013**

The meeting was called to order by President Peter Wollen at 6:34 with 24 members present.

W0EJJ was seriously injured during a bicycle accident on April 28th. Keep him in mind as he recovers from his injuries.

Minutes of the April meeting where approved. The treasure's report will be in the minutes.

Treasurer's report:

**April 2013**

Interest \$+0.08  
 Gift: -40.00  
 RPU: -  
 \$35.32

Checking:  
 \$1768.40  
 Savings:  
 \$5691.50  
 Cash: \$20.00  
 Total:  
 \$7479.90

**May 2013**

Interest \$+0.05  
 RPU: -  
 \$35.23

Checking:  
 \$1733.17  
 Savings:  
 \$5691.55  
 Cash: \$20.00  
 Total:  
 \$7444.72

Tech committee KC0FOW reported the second digipeter is on order. The site is now armed with a security system.

Public service needs help with events. Please go to [www.rarchams.org](http://www.rarchams.org) to sign up.

ARES reported Dodge Fillmore, and Goodhue counties are forming skywarn programs.

Grant K1KD passed around a signup sheet for field day activities. A review of the rules and a map for set up and parking at the site was shown

Set up will begin at 1:00 PM Friday June 21st at Game-haven scout camp. Talk in will be on the 146.820 repeater.

The meeting ended at 7:13 PM

Submitted by Steve W0STV, Secretary



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### **RARC meeting minutes, June 11, 2013**

Meeting called to order by Peter Wollen at 6:38 PM with 26 people present.

Reviewed need the Secretary and Treasurer's reports.

Public service report from John N0HZN: Have been a busy spring with more to need ham operators. Please see the [www.rarchams.org](http://www.rarchams.org) web site to sign up.

Tech committee reported the new trackers worked fine. Need a check to pay John Scott back for the purchase. The new APRS station running at W0STV location. The antenna is bad at the original site. A new antenna will cost \$150.00 plus the cost of KTTC's tower climber. The KTTV Simpson location now has security added to the building.

Introductions where made before the meeting closed at 7:00 PM

Field Day operations and scheduling will be the program for this evening.

Scott Wright set up and operated one of the new Icom radios for field day after the meeting.

Submitted by W0STV RARC Secretary.



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**Minutes for the July 9,2013 RARC meeting:**

Meeting called to order at 6:32 PM by Peter Wollen with 24 people present.

Financial report delayed due to signature card for new RARC treasurer. Working on getting this resolved ASAP.

Technical report by Rob KC0FOW: The digipeater is off line. The cost estimates range from \$1600 to \$2000 from vertical limited company. Questions on an itemized amount where requested. This was tabled for the August RARC meeting. A new TA-32 junior antenna has been ordered for the digipeater.

The D-star is off line for internet linking. It is operational as a local repeater at this time. Mayo is working on it. The repeater is on their property.

The Black trailer needs to be inventoried and cleaned up. A date for the Tech committee and club officers to do this will be established. Peter Cross offered to install shelves in the trailer when we want.

DEC report by Bill K0RGR: Trying to establish a new repeater in Dodge county for coverage of the county and surrounding areas. He is looking for donations. Mike Benson will apply for state money for ARES. Bill wants a dedicated group to work on this project

Next month's meeting will be at the Byron event center on August 13. The meeting will included a ham auction to sell your items. The club will charge a 10% fee for all sold items. This will go into the RARC general fund. The doors open at 5:30 PM to accept items for the auction. Please bring an item to pass around for the meal that begins at 6:30 PM. Sandwiches will be served. Contact Bill at K0RGR@ARRL.net of items you want to sell.

Field Day report: We ended up with a score of 9624. This is down from last year. We need to work on scouts making contacts at the GOTA station for 2014. Rochester Fest hurt our radio resources for Field Day. We have Game Haven camp again for Field Day 2014.

The meeting ended at 7:13 PM with program to follow.

Submitted by Steve/W0STV  
RARC Secretary



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### RARC minutes for 09-1-2013

Meeting called to order by Peter Wollen, at 6:31PM, with 21 members present.

A personal request was made for club member, Redman W4EJJ, who is recovering from a bicycle accident. He is in the process of selling his home and asked the RARC to remove his radio station from the home and package it. Bob, Peter, Dave and Steve, agreed to help take down the station on Sunday.

Mel Larson discussed the VHF contest. He explained what frequencies, and modes, will be used, and how to determine your grid location. He will be operating for two days as a rover. Mel will be on the FM simplex frequencies at the top of each hour.

Members present did introductions of their names/call signs.

John N0HZN reported on public service. There is a tentative, NAMI event on September 24<sup>th</sup>, Bryan Watts will have information at a later time if it is being supported with communications. The Chester Woods CC run is on November 10<sup>th</sup>. The last public service event for 2013. See [www.rarchams.org](http://www.rarchams.org) for details.

The national S.E.T., event for Olmsted County will start Oct 5<sup>th</sup> at 10:00 AM and end at 10:00 AM on Oct 6<sup>th</sup> at the Rochester KOA camp ground in Marion for ARES members and hams interested in ARES to attend. More information will be sent out via e-mail when known. This is open to all amateur radio operators who want to learn, test their equipment, or just get together to socialize. Bring your go, packs, if you have them as you would for a call out. Hand out information will be available. Talk in on the 147.255 PL 100 repeater.

Rob Richter reported the ARES black storage trailer was inventoried and organized. Preliminary details for the new fire station #2, near century high school where revealed.

The APRS digipeater is back in operation. There may be a packet station going up in the new location too.

The treasurers report was given and the minutes for May, June, and July club meetings where approved.

#### Treasures Report

##### Checking:

Beginning Balance 1146.47

Credits 1174.00

Debits 1583.42

Ending Balance 736.85

##### Savings:

Beginning Balance 5691.59

Interest earned 0.04

Debits 1000.00

Ending Balance 4691.63

End of Month Balance



5468.48

Meeting ended

Byron Watts, KCØNPF, gave a presentation on using Linux for your other operating system.

Submitted by Steve W0STV, Secretary



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RARC minutes for October 8, 2013

Meeting was called to order at 6:37 PM by Pres Peter-W0LLN with 25 members present.

A request was made to move the club meetings to 7:00 PM. It will be brought up for discussion for the 2014, calendar year.

A discussion to purchase a used 40 meter beam for field day was tabled. The cost of shipping is too expensive. Members are requested to look for any similar local purchase in the future.

Club membership updates are needed for the 2014 RARC roster. Bob- KCOGND has been doing it. Jim-K0ORO and Peter- W0LLN will be doing it.

A request to the club from an FM station in Haiti, for help on a 100 to 300 watt amp was made. Dave Seavy's name was given as a contact for information.

A reminder to VHF contesters to get their logs into the ARRL ASAP. Contact Mel for further information.

Peter-W0LLN requested the club get involved in the November sweep stakes. See ARRL for details.

Steve-W0STV reported on Olmsted counties ARRL- S.E.T. event at the KOA Rochester. It was very successful on simplex, repeater frequencies, and HF regional contacts over two days.

Rob-KCOFOW informed us that the Rochester D-Star repeater is dropping out on the I-gate, Mayo and the tech committee is working on fixing this problem. He also said the clubs MFJ SWR/Power meter is broken and needs repairs. No further action taken at this time. It will be discussed next month.

Grant- K1KD will loan a 150 foot rotor cable for field day 2014. The club will need to purchase the connector ends (\$10.00 ea), to fit the clubs equipment. It was approved. Steve-W0STV will look at repairing the other rotor cables that have open circuits in them.

The last public service event for 2013 will be on Nov 9th at Game Haven scout camp. See the RARC web site for information and to sign up.

The Schaefer Academy HF radio station status was tabled until more information could be heard from Scott-K0MD.

Bill-K0RGR has a technician classes starting Oct 26th for two weekends. See the RARC web site for information.

Jim-K0ORO gave the treasures report. It was approved.

**Treasures Report**

**Checking**

Beginning balance        736.85

<b>Deposits</b>	
United Way	62.06
<u>Pay Pal</u>	<u>370.00</u>
Total Deposits	432.06
<b>Debits</b>	
Electric	37.03
Check # 2670	187.00 (Return of Icom Radio)
<u>Check # 2761</u>	<u>60.54 (Field Day food</u>
<u>Expense)</u>	
Total Debits	284.57
Ending Balance	884.34
<b>Savings</b>	
Beginning balance	4,691.63
<u>Interest earned</u>	<u>0.04</u>
Ending balance	4691.67
Cash on hand	40.00
End of month	5,616.01

The nominating committee will report on officer candidates for the 2014 RARC in November.

The December RARC meeting will be a Christmas party. The two choices are, the New Texas Road House Rochester, or Old Country Buffet. UPDATE: Texas Road House only does booth style seating; there are no room set ups. I have tentatively reserved the Old Country Buffet back room for December 10th starting at 6:00 PM. They are giving a \$2.00 discount off the normal diner price. Tell them you are with the RARC. The final vote will be at the Nov 12 meeting.

Terry-W0VB gave a presentation on Software Defined Radio.

Submitted by Steve W0STV, Secretary



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## RARC meeting for November 10, 2013

Meeting called to order at 6:30 by Peter Wollen with 24 members present.

The October meeting minutes were approved.

Treasurer's report. The club's equipment insurance coverage was adjusted from \$40K to \$20K. A claim for the stolen APRS station was submitted to the insurance company for payment.

### Financial Report For October 2013

#### Checking

Beginning Balance 884.34

#### Credits

Dues 110.00

Donations 100.00

Total Credits 220.00

#### Debits

Returned Check 25.00

Check #2763 59.00 Field day

expense.

Electricity 36.79

Total Debits 120.79

Ending Balance 973.55

#### Savings

Beginning Balance 4,691.67

#### Credits

Interest earned 0.03

Debits 0.00

Ending Balance 4,691.70

Cash on hand 40.00

**End of month balance 5,705.25**

Club dues are due for 2014. Please bring payments to the December Christmas party meeting. See [www.rarchams.org](http://www.rarchams.org) for other payment options.

Bill-K0RGR announced tonight's program will be the Mankato sky-warn system by Steve-WA2OFZ.

The December meeting will be a holiday get together at the Old Country Buffet on December 10<sup>th</sup> starting at 6:00 PM.

Announce to the cashier that you are with the RARC group for a discount on your payment. Bring a show

and tell item for the evening if you could.

Rob-KC0FOW reports the D-star system is back on the I-gate network. There may be some temporary off line moments. They are being addressed.

The 146.820 repeater has static with ambient wind conditions. It is being looked into. The 146.625 repeater is running very well.

The clubs MFJ antenna analyzer has been reported broken. This may be an intermittent problem as it is working again.

Grant-K1KD said he purchased the connector ends for his rotor cable. He will pay for them and just loan the cable out for field day.

John-N0HZN reported the end of 2013 public service events. The Game-Haven CC run was the last one. See the web site to sign up for 2014 events.

ARES is developing Red Cross two man-go teams for each county. The first training will be in Wabasha on December 14<sup>th</sup> from 1 to 5 PM. There are two more sessions coming soon in the area. The next is in Mankato.

Sky warn appreciation day is December 7, 2013 at the NWS office in La Crosse from 8 to 4. Anyone wanting to go contact [Steve WØSTV](#) for more information or to sign up for car pooling.

Peter Wollen will be Essex Park on November 16<sup>th</sup> to operate sweep stakes. Set up will begin at 2: 00 PM with operations commencing at 3:00. All are welcome to attend and operate.

Candidates for RARC offices for 2014:

- Peter WØLLN for president
- Dan NØKZO for secretary
- John NZØS for Vic-president
- Jim KDØORO for treasurer

Thanks go to John Scott N0HZN for his time in filling these positions.

Steve Wiebke-W0STV

RARC secretary.



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## RARC meeting for December 10, 2013

The Annual Election Meeting was called to order at 7:00 PM by Peter Wollen at Old Country Buffet with approximately 25 members present.

The Nominating Committee submitted the following nominations for 2014 RARC officers:

- Peter WØLLN for president
- Dan NØKZO for secretary
- John NZØS for Vic-president
- Jim KDØORO for treasurer

A motion was made and passed to record a vote for all the nominees.

The treasure's report was submitted via email to current officers and is included here:

### Rochester Amateur Radio Club Finical Report for November 2013

#### Checking:

Beginning Balance 11/1/2013	\$973.55
Credits:	
Dues	<u>128.00</u>
Total Credits	128.00
Debits:	
Returned Check service Charge	8.00 (Fee charge for the returned check )
Check #2764	618.00 (Paid insurance on inventory)
Electricity	<u>36.28</u>
Total Debits	662.28
Ending Balance 11/30/2013	\$439.27

#### Savings:

Beginning Balance 11/1/2013	\$4,691.70
Credits	
Interest earned	0.03
Debits	<u>0.00</u>
Ending Balance 11/30/2013	\$4,691.73
Cash on hand	\$40.00
Ending Balance 11/30/2013	\$5,171.00

#### **Members:**

2013	67
2014	<u>6</u>
Current Member total	73

Delinquent members	33
--------------------	----

Meeting was adjourned at 7:10 PM.

Submitted by Bob KCØGND *for*

Steve Wiebke-W0STV

RARC secretary.



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The January 2012 RARC meeting held at the Heinz Center in room HA-102 was called to order by President Scott Wright at 6:36 PM with 39 people present.

A list of goals for 2012 was presented to the club.

The new changes to the format of the meetings were reviewed.

The meetings will start at 6:30 PM. and the programs at 7:00PM

The business part of each meeting will be limited in time. Club updates, reports, and information will be posted on the RARC web site for review by its members before each meeting. This is to educate the membership on these topics before the meetings, for discussion and voting at each meeting.

The treasurer's report was made.

---

### **RARC Treasurer's Report: Tuesday, January 10, 2012**

#### **Account Balances:**

Checking:	\$2,022.34
Savings:	\$5,690.85
Cash:	<u>\$20.00</u>
Total:	\$7,733.19

#### **Transactions this period:**

Interest:	+\$0.05
2102 Dues:	+\$430.00
Military towers:	-\$2020.00
RPU:	-\$110.00
POB #1:	-\$62.00
CenturyLink:	-\$16.75

**Per Club Bylaw Section 7.8, the RARC 2011 annual written report is at:**

[http://www.rarchams.org/finance/RARC\\_Financial\\_2011.htm](http://www.rarchams.org/finance/RARC_Financial_2011.htm)

Respectfully submitted,

*Bob*

Bob KCØGND



RARC Treasurer

**Membership status: 105**

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Minutes of the December meeting where approved.

Programs for 2012 where listed, some months have openings. If you have ideas contact the club officers.

Committee's have been formed and are listed on the RARC web site.

- Field day committee reported the portable mast's are on order. Field day will be at Game Haven boy scout camp for 2012. It will be a3A set up.
- Technical committee reported the 146.820 repeater is on battery power. A 50 amp rack mounted power supply is on order and will be installed soon. All other repeaters OK
- Public Service committee states the Frozen Goose run will need radio operators from 12:00 to 3:00 on February 4th. Contact John Scott to sign up.
- Contest committee reminder. The VHF contest is happening on January 21,22,and 23rd. The Minnesota QSO party for HF and/or VHF will be on February 4th from 8AM to 6PM.

Please see details of the club information at [www.rarchams.org](http://www.rarchams.org) before each meeting. Check into the RARC/ARES nets on Sundays at 9:00 PM on the 146.820 repeater PL tone 100 for current information.

The meeting was adjourned.

The program on the deep water search expedition for Amelia Earhart's plane was presented by Tom Vinson, NY0V.

Meeting ended at 8:24pm.

Respectfully submitted,

Steve WØSTV  
RARC Secretary



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The February RARC meeting was called to order at 6:33 PM by club president Scott Wright, K0MD with 26 people present.

The treasurers report was approved:

Accounts:

Savings: \$5,590.89

Checking: \$2,465.44

Cash: \$20.00

Activities:

Dues: +\$620

Interest: +\$0.04

Web hosting: -\$160

CenturyLink: -\$16.90

2012 Member Count: 51

Submitted: Robert Andrews, K0RDA

Grant K1KD reported on field day activities. The site will be at game-haven boy scout camp. He needs people to help him arrange and operate field day. The new masts are purchased, shipping is being arranged. The twin cities FM radio club has been challenged by RARC for top honors and a traveling trophy to see who will be top gun of field day 2012. The field day station call sign is undecided. Discussion of where the QRP station for field day will be addressed at the next meetings.

The technical committee will look at options for the dual axle crank up tower. It is currently unusable.

Bill K0RGR brought in two 10 meter radios to the club meeting. They will be rotated to club members that are interested in getting on the HF bands. There are rules to how and who gets to use them. Peter KNOCKS, and Dan KDOQNM where first to take them home to use.

The antenna building session was cancelled. K0RGR did help Peter and Dan build 10 meter antennas after the meeting.

Meeting ended at 6:45

The program was Adventures of the Brave and Famous by Scott Wright. The program ended at 7:20 PM

Submitted by RARC secretary Steve W0STV



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RARC minutes for March 13, 2012

Meeting started at 6:32 PM with a roll call of 31 members present. Pat Cahill called, he was running late. He had Grant K1KD do an update for field day 2012. Here are the items discussed.

Field day is June 23 -24th from 1800/23rd to 2100/24th hrs. It will be a 3A category site using less than 150 watts. The call sign for the site is still to be determined. There will be a challenge between the Twin Cities FM club and the RARC club. Dave Naatz will work on the bonus points scoring. The CW and digital stations are our strongest counts with 2 points for each contact. The 6 meter band needs to be monitored. The radios have to be operating 100% of the time, especially at night. The QRP station is undecided at this time. The QRP station made 5,000 points last year. The club purchased the Write Log program for field day to allow people to train with it.

Pat Cahill called the Business meeting to order. The secretary's report was approved. Treasurer KØRDA was unable to stay for the delayed business meeting. His financial report was emailed for inclusion in the minutes:

Accounts:

\$5,690.93 Savings  
\$2,669.89 Checking  
\$20.00 Cash

CenturyLink -16.90  
United Way +86.35  
Dues +\$135

Submitted: Robert Andrews, KØRDA

Old business: Grant reported the 2 new portable masts are to be shipped at a cost of \$375.00.

New business: The twin axle portable crank up tower was sold to Pat Cahill and Steve Wiebke for \$100.00 as is. The smaller bent up, damaged, warped, kinked and broken tower will be scraped out. The metal price will be put back into the club finances.

The IBM club needs help with their antenna on the roof of IBM. More details later.

Sky warns sings are being ordered by Steve Wiebke. Go to the "[anythingweatherstore.com](http://anythingweatherstore.com)" pick out what you want to order by number and quantity and send you request to [W0STV@arrl.net](mailto:W0STV@arrl.net). He will place the order at the end of the month. The shipping and tax if any will be shared by individual pricing of the order group.

The location W7 needs to be reviewed for construction conflicts on the map. For now Star # W7 will not be used on the Olmsted sky warn map.

There is a 100 mile foot race on Hwy 61 by Wabasha. They have requested Amateur Radio Public service

communications. See the RARC e-mail for more information.

Meeting ended 7:41 PM followed by the program LOG BOOK OF THE WORLD, and logging software.

Submitted by RARC secretary Steve W0STV.



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RARC minutes for April 10, 2012

The April RARC meeting was called to order by Scott Wright at 6:28PM with 28 members present. Glen Johnson was introduced as the program presenter on HK0NA DXpedition on Malpelo Island.

John Scott reviewed the 2012 public service events. See the RARC web site to electronically sign up for any event.

Dave Naatz announced that the portable masts are in transit. He is working on field day. A signup sheet was passed around the club, for activities for field day. Grant Kesselring reported the delivery driver needs help to unload the masts. Delivery expected Wednesday between 1&4 PM He will send out an e-mail with actual time for help.

Peter Wollen brought in give away items for RARC members to have. It looked like all found new homes.

The club voted to approve the purchase of write log version 11.4 by the club for field day. This will be the program to train on for field day.

Peter and Neal announced that they will be operating QRP on April 22nd at Essex park from 12 to 4 PM. Neal will be operating his new radio. All are welcome to visit and see the latest in QRP radios.

The club will accept any payments by pay pal and credit card. Service charges that the club will encore will be added to payments.

The program for May has not been established at this time. The June meeting will be field day preparation.

Steve announced sky-warn preparations and news from the Lacrosse NWS.

The meeting ended at 6:52 with the program following.

Submitted by WOSTV



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## **RARC minutes for May 8, 2012**

Meeting called to order at 6:02 PM, by President Scott Wright, with 32 members present.

Public service report by John Scott. Request the need for radio operators for these events. New licensees can be teamed up with other radio operators, or ask for easy assignments to get involved.

Field day report by Grant Kesselring. The sign up sheet was passed around for members to commit to help with different functions for field day. The call for field day will be W0BM. The military mast are in Grant's garage, and a date for set up at his house will be announced. The Write-log program is purchased. Copies where available for people to take home and learn how to use them. A time may be set up for hands on training. This will be the logging program for field day. Kevin brought in a Wi-Fi antenna that will be used to link the logging computers together for field day. DX contest for 706C will be on the air for 10 days. See the web for more information.

Neil brought in his new Elecraft QRP radio for show and tell. It was passed around for hands on reviewing.

New business: The radio amp at Schafer school was sold for 650 to 700 dollars. The moneys where deposited in the RARC account.

A roll call was done before the meeting ended at 7:04 PM

Pat Cahill did a review of information for the VHF contest for June 9th -11th 2012. Meeting ended at 7:49PM

Note: The RARC is now accepting payment via Pay Pal for a minor cost of the transaction.

Submitted by RARC secretary Steve W0STV



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## **RARC minutes for June 12, 2012**

Meeting started at 6:32 PM with 25 people present. A roll call was given by the attending members.

The Field day trophy was shown to the club to be awarded to the RARC or Twin cities FM club with the best scoring for field day, and bragging rights.

The 146.820 repeater is in for repairs. Lightning is suspected as the cause of the failure. The backup repeater is currently running on the site. The 147.255 repeater will be used for ARES until the 82 machine is back from repair and in service.

D.E.C./ Bill Osler, presented Paul/KM0PTa certificate as EC for Fillmore county.

Scott/K0MD gave a slide presentation of the Dayton Ham-fest activities, and people. Meeting closed at 7:03 PM.

Field Day information was reviewed:

The Rochester EOC/ARES trailer and generator is requested for field day. Rob/KC0FOW will bring the club generator to Game Haven. Bob/AB0BW, and Dave/K0RPD and Grant/K1KD will bring trailers to field day. Set up will begin on Friday afternoon at 1:00 PM at Game Haven scout camp. Help will be needed to set up the two new portable mast and stations. The 146.255 PL 100 repeater will be the talk in communications frequency for field day activities. Please contact them before coming out for any needs. Set up will continue on Saturday around 8:00 to 9:00 AM. The site will be 3A under the call W0BM, The GOTA will be K0RGR, and the QRP will be W0MXW. Write Log will be the program used.

HY-VEE will be supplying meals and beverages at field day along with pizza's from Papa John's through Dan/KC0ORS. A sleeping section will be available for operators to get some sleep away from the activities.

Prizes to be awarded from a drawing for anyone that makes at least one contact with field day HF equipment. Please check the RARC field day web site for times that need to have operators.

Steve/W0STV



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### RARC minutes for July 10, 2012

July RARC meeting started at 6:26 in room #104 (moved) with 20 people present.

Treasurer reported.

Cash: \$20.00 Savings: \$5,691.09 <u>Checking: \$2,937.50</u> Total: \$8,648.59			
<b>April:</b>  Dues: +645.00 Trailer Sale: +\$100.00 Interest: +\$0.04  Antenna Shipping: - \$375.00 Power Supply: -\$348.94 Phone: -\$16.90 Electricity: -\$14.17 Supplies: -\$6.56	<b>May:</b>  Dues: +\$60.00 Amp Sale: +\$650.00 Interest: +\$0.04  Phone: -\$16.88 Electricity: -\$36.34	<b>June:</b>  Dues: +\$45.19 Interest: +\$0.04  Phone: -\$16.88 Electricity: -\$36.34	<b>July:</b>  Dues: +\$145.90 Interest: +\$0.04  Phone: -\$16.88 Electricity: -\$37.98 Field Day Trophy: - \$43.61 Field Day Food: - \$292.00 Insurance: -\$320.00

Proposal to drop the phone patch on the 146.820 repeater by Sept 1st. This will be determined by the technical committee. Future discussions on club member dues.

Field day expenses where itemized. (see treasurers report) and approved by club members.

Stan Cram- AIOM, has moved to Wisconsin for his new job. He will be missed. A presentation of field day was shown to the club. This will be put on the RARC web site soon.

Field day was debriefed. This has been the best scored event to date, and the trophy will be presented to the club at a future meeting. Here are the point details. CW#1- 1366, CW#2- 302, SSB-1328, Digital-71, VHF-57, GOTA-168. QRP had lower than past scores.

Field day successes: Early assembly. Scheduled station radio operators . Great news media coverage. Scout radio merit badge program. Wireless network worked well. Game haven is a great site. We will have to make changes for 2013 for station locations.

Field day improvements: More QSO's on CW#2. More options on the 40, 80, and VHF antennas. Move digital mode to GOTA station with a better antenna . Promote ham classes at the GOTA station. Have a mock GOTA station for pre-operation training. Make satellite contacts for 2013. Have more chairs and tables on the site. Have food prepared on site along with pot luck for both days.



Check out two ham web sites. Ham Nation, and Ham Radio Now.

Meeting ended at 7:42 PM

Submitted by RARC Secretary, Steve-W0STV



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## **RARC meeting minutes for September 11, 2012**

Meeting called to order by President Scott Wright at 6:30 PM with 29 members present.

Technical committee reported that the phone patch will be removed from the 146.820 repeater. The power failure at the 82 repeater site verified the backup power supply work fine. If you hear of any weather station information that is bogus, contact John Scott to report the problem.

The club will be applying for the IBM grant for the RARC again. Robert KØRDA will be doing the paper work. Any RARC members that work for IBM please contact Robert for information.

Bill KØRGR is scheduled to begin the technical class for 2012. See the RARC web site for information and spread the word.

There were no contest reports given at the meeting.

The 2012 public service events have ended. Thanks to everyone that took time to work with the radio coordinators to communicate information for these events.

Jon NZØS is working with the boy scouts at Game-Haven to establish a radio station. He is working with ICOM for a donation of equipment.

Meeting ended at 6:46 PM.

Gregory Widin, KØGW discussed and showed a power point presentation of the ARRL headquarters and employees that work for ARRL programs and its members.

Submitted by Steve WØSTV, Secretary.



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## Minutes for the October 9, 2012

The RARC meeting was called to order a 6:41 PM with 22 members present.

There was a roll call of the members and guest.

Treasurers report was read.

June, July, & September's meeting minutes were approved.

The following committee's reported:

Technical: Dates will be set to install the repeater into a new rack cabinet. The phone link has been removed.

DX: There is a ARRL, CW and SSB sweepstakes Oct 26th . There will be a triple event in November. See the ARRL, DX information for details.

VHF: Mel-- KC0P passed around a sign-up sheet for the January VHF contest. He plans to have a pre event meeting. The contest takes place January 19th and 20th. More information to come.

The club has a deficit of \$200 to \$300 dollars. The club will be reviewing ways to balance the budget for 2013. Bring your ideas to future club meetings

Scott - K0MD was officially accepted the Minnesota Field Day Cup for 2012 by Mike Sigelman & K0BUD. This cup represents the most event points, of all the Minnesota field day stations. There was a review of our field day activities and what we did to win the Minnesota Cup. K1KD did a great job

There is a survey on the RARC web site for member to respond to questions, and to make comments. Please take time to complete the surveys and get involved to help the club be resourceful for you.

The time for nominations of 2013 officers for the RARC is coming soon. Think about giving your time and talents to support the RARC and its members. See John Scott for information.

KAAL news did not show up for their commendation, for their reporting of the RARC 2012 Field Day event. Scott will be contacting them to make other arrangements to present the plaque.

On the last Friday of each month there is a diner at the American Legion in Rochester for anyone that has a ham license and their families. This is a buffet fish and rib meal (you can have both) with beverage and desert for \$10.00. It is on Civic Center Drive and starts at 5:00 PM. Come hungry.

The RARC Christmas party is set for December 11th at Whistle Binkies on the Lake (south).

The meeting ended at 7:36 PM. After a short break Robert Frantz talked about how to set personal goals and achieve them. He will discuss how he climbed Mount Kilimanjaro, a 19000 ft peak.

Submitted by Steve WOSTV Secretary 73



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November 2012 meeting started at 6:30 PM with 38 members present.

October RARC meeting minutes where approved.

Treasurers report was made later in the meeting.

<b>Expense:</b>	<b>Income:</b>	<b>Balance:</b>
Phone -\$17.52	Phone Refund \$13.82	Checking: \$982.28
Power -\$36.75	Phone Refund \$0.09	Savings: \$5691.26
Hats as gifts -\$40.35	Interest \$0.04	Cash: <u>\$20.00</u>
Plaques as gifts: -\$62.22	Insurance for lightning strike \$346.68	Total: \$6693.54
Speaker expense -\$25.00	Dues: \$180.00	
Replacement TNC & Pwr supply -\$393.64	Donation: \$38.90	
Cabinet Supplies: -\$22.93		
Weather Station Repair: -\$48.10		
Replacement UPS -\$17.95		

The RARC club placed 2nd in the nation in the 3A class.

Icom will loan 3 high end radio's to the RARC 2013 field day event.

Technical: The APRS digipeater was stolen from the Simpson site. It will be replaced ASAP. The club approved \$500.00 before insurance payment to purchase the needed equipment.

DX: No report.

VHF/UHF: Mel KCOP passed around information on the January VHF/UHF sweepstakes. More information at the January meeting.

Public Service: No activity. Thanks to John Scott for organizing the 2012 public service communications.

ARES: Marvin Myers is the ARES emergency coordinator for Dodge County.

Web: A thank you to Bob Hart for his work on the RARC web site.

The following nominations for the 2013 RARC officers:

- Peter Wollen, WØLLN, for President.
- Bill Osler KØRGR for Vice President.
- Robert Andrews, KØRDA, for treasurer.
- Steve Wiebke WØSTV, for Secretary.

RARC December meeting will be held at Whistle Binkies South for our Christmas party. Ordering off the menu. See the RARC web site for information.

Meeting ended at 6:51 PM

After a short break, Dan Fish presented a program on radios from Japan and China. What do you get for your money.

Submitted by Steve WØSTV Secretary 73



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The December 2012 Annual Election Meeting was called to order by President Scott KØMD at 6:35 PM at Whistle Binkies on the Lake with 26 members present.

The Nominating Committee submitted the following nominations for the 2013 RARC officers:

- Peter Wollen, WØLLN, for President.
- Bill Osler KØRGR for Vice President.
- Robert Andrews, KØRDA, for treasurer.
- Steve Wiebke WØSTV, for Secretary.

A motion was made and passed to record a vote for all the nominees.

Meeting was adjourned at 6:40 PM .

Submitted by Bob KCØGND *for*

Steve WØSTV Secretary 73



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## RARC Meeting Minutes – January 2011

Introductions

Motion to approve December 2010 Minutes: Seconded, Approved.

### Rochester Amateur Radio Club

#### Treasurer's Report: Tuesday, Jan 11, 2011

##### Account Balances:

Checking:	\$1,403.85
Savings:	\$5,690.35
Cash:	<u>\$20.00</u>
Total:	\$7,114.20

##### Transactions this period:

Interest:	+\$0.04
2011 Dues:	+\$485.00
RPU (1Q11):	-\$110.00
Qwest:	-\$16.64

Per Club Bylaw Section 7.8, the *RARC 2010 annual written report* is at: [http://www.rarchams.org/finance/RARC\\_Financial\\_2010.htm](http://www.rarchams.org/finance/RARC_Financial_2010.htm)

Respectfully submitted,

*Bob*

Bob KCØGND  
RARC Treasurer

**Membership status:** 101 club members (34 paid thru 2011)

Dues are Due.

Vice President:

-Presentation, Mel KCØP/Rover VHF+ Operating and Contesting



-Working on a variety of presentations for this next year. Anybody interested contact Rodney KDØEBT.

President's Report:Community groups are requesting working with Club to expand interest in Ham Radio in their particular groups. President will follow up with appropriate operators.

Tech Committee:

- Dstar is up and running. PC is in the works for being procured for the igateway.
- Shelves for the '82 are ordered.

Public Service:

- Frozen Goose run coming up 2/5/2011. Contact John NØHZN if interested in helping
- Very successful year last year and a busy one this year. More public service events.

ARES:

- Continue to submit your application for 2011-2012
- Need to take pictures for new badges
- Program your radios with the published ARES freq. on the website. This is needed for upcoming nets where simplex operating will be implemented.
- Recruiting for Dodge County contact BJ, KCØNPF

EOC:

- Fully moved into the new building.
- Will be available around March for radio operators.

MedComm

- Currently in conference with Mayo Clinic

DX/Contesting:

- Minnesota QSO Party Feb 5th.
- Jan. 22 VHF Sweepstakes

Education Committee:

- Currently inactive
- Discussed revitalizing Elmer program. First objective updating Elmer club contacts on the club website.

VHF+: Refer to presentation

Old Business:

- Gift sent to Cahill's
- Discussion of Possible Compensation for Presenters. Will be referred to executive committee.
- Field Day Committee to start to address site location for 2011
- Stan AIØM thanked us for the flowers for his step son's funeral.

Meeting adjourned:

Presentation

Mel, KCØP/R VHF+ operating and contesting

Submitted by Rodney, KDØEBT

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*Last update: January 12, 2011*



## RARC Meeting Minutes – February 2011

RARC minutes for February 2011: Old Business

Minutes for the January meeting approved.

### Rochester Amateur Radio Club

#### Treasurer's Report: Tuesday, Feb 8, 2011

##### Account Balances:

Checking:	\$1,506.42
Savings:	\$5,690.39
Cash:	<u>\$20.00</u>
Total:	\$7,216.81

##### Transactions this period:

Interest:	+\$0.04
2011 Dues:	+\$310.00
Olmsted Cty United Way	+\$53.35
Web Site:	-\$244.00
Qwest:	-\$16.78

Respectfully submitted,

*Bob*

Bob KCØGND  
RARC Treasurer

**Membership status:** 101 club members (47 paid thru 2011)

Treasures report approved. Membership dues renewal ongoing.

Vice presidents report: Tonight's program, using high-speed multi media formats for ham radio communications by Byron KCØNPF. Marches program, using green power energy for ham radio communications by Dave KCØUCN.

Rodney request Elmer information forms he handed out be returned ASAP.

KCØFOW reported from the tech group that all equipment is operating properly and a location for the 440 digital is work in progress.

Public service thanked the people that helped with the frozen goose run. Next event will be in May.

Olmsted ARES-KCØFOW needs ARES personal have their picture taken for the new ID's. Have simplex frequencies programmed into your radios. See the RARC web site for information.

Dodge ARES-KCØNPF has two ARES members, are contacting more hams in Dodge County to register.

Olmsted county EOC is in assembly mode at the new location at 1421 3<sup>rd</sup> Ave NW. Sky-warn training at the international event center on March 14<sup>th</sup>. Advance course being offered in Stewartville on April 25.

Contesting: Mel-KCØP request logs be turned in for the VHF contest ASAP. You may turn them into Rodney at the meeting or e-mail them to Mel. There is a DX contest March 6<sup>th</sup>.

Education/Outreach: Game Haven boy scout camp is talking with RARC on a club station, and have offered the camp for field day 2011, The KOA site is also being considered. KCØUCN will make a presentation at the March meeting.

Pat Cahill is missing his orange ladder from the 2010 field day. KCØRPD to check the explorer trailer.

New Business:

The club is offering the Rochester & County EOC's the use of the club trailer to support the EM-50 for additional equipment transport and storage. It will be stored at the county garage. We hold ownership and can use it when we need it.

Field day committee will be formed at the March meeting to establish the site for 2011.

Next meeting March 8<sup>th</sup> at 7:30 PM

Submitted by Steve, WØSTV

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*Last update: March 7, 2011*



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## RARC Meeting Minutes – March 2011

Minutes for RARC meeting 3/8/2011 at 7:00 PM called to order by president BJ-KCØNPF

Minutes for February RARC where approved with a change that treasures report does not get approved when given.

Treasurer Bob- KCØGND: We currently have 102 club members with 63 paid at time of club meeting. Dues can be sent to PO Box #1, Rochester MN. 55903, or paid at any RARC meetings.

## Rochester Amateur Radio Club

### Treasurer's Report: Tuesday, Mar 8, 2011

#### Account Balances:

Checking:	\$1,614.64
Savings:	\$5,690.43
Cash:	<u>\$20.00</u>
Total:	\$7,325.07

#### Transactions this period:

Interest:	+\$0.04
2011 Dues:	+\$125.00
2012 Dues:	+\$25.00
2013 Dues:	+\$25.00
Memorials:	-\$50.00
Qwest:	-\$16.78

Respectfully submitted,

*Bob*

Bob KCØGND  
RARC Treasurer

**Membership status:** 101 club members (63 paid thru 2011)

Vice-president Rodney- KCØEBT: The program for the meeting was Mel-KCØP presenting a follow up to the January VHF sweepstakes, plus a discussion of the June 2011 VHF sweepstakes.

DX contester Scott-KØMD will be presenting operating abroad when your home is a motel at the April club meeting.

Technical committee Rob-KCØFOW: Reports that the 440 D-star repeater location is being reviewed by the proposed site owners. The repeater is currently operational at his home. Repeater cabinets are being ordered All VHF repeaters are working OK.

Public services next events will be in May on the 14, 20, 21 and 29<sup>th</sup>. See RARC event calendar for more information. Sign up early if you can work these events.

ARES-EC Rob-KCØFOW: Handed out ARES applications for new and renewing members. ID's will be handed out at the RARC meetings. Rob reviewed the information from the national weather service and the city EOC on flooding in our area. ARES may be asked to watch for obstructions at bridge supports if called to service. He gave the minimum, major, and record percentages for flooding in SE MN.

The Education committee is presenting a radio technician license, training class at the Red Cross, Rochester on April 16 and 23, with some general class information included. See requirements at [www.rarchams.org](http://www.rarchams.org) to attend these classes. VE testing will be at the same location on May 12<sup>th</sup>.

The proposal of a club station at Game Haven Boy scout camp site discussed. Uses would include radio contesting, drills, and event station. They want radio activity during scouting activities. IE: radio merit badges, jamboree, etc. Could the RARC be able to provide the manpower to support these activities. Currently non RARC members are working with the scouts. Further discussion at RARC meetings needed.

There was a discussion on paragraph, 3 and 6 of the RARC memorandum of understanding with Schaffer Academy. It was tabled with request for more information and will be reviewed again at the April RARC meeting.

The Olmsted EOC is almost completed. The radios are operational. There will be an open house announced later. Sky-warn ID pictures will be taken at that time for trained spotters that need them. March 14<sup>th</sup> sky-warn training at the international event center at 6:30 PM. On April

Rochester KOA and Game Haven boy scout camp sites were reviewed for field day. The power point presentation showed they had opposing plus and minus features. The club majority voted to hold the 2011 event at Game Haven, and alternate with KOA for 2012. Equipment mobility, staging, and lay out will be discussed at RARC meetings.

Submitted by Steve, WØSTV

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*Last update: March 28, 2011*



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## RARC Meeting Minutes – April 2011

Minutes for the RARC club meeting, 4/12-2011. Called to order by president BJ-KCØNPF, at 7:00 PM with 33 members present.

Bob-KCØGND presented treasurers report. Reports 86 paid members in the club.

### Rochester Amateur Radio Club

#### Treasurer's Report: Tuesday, April 12, 2011

##### Account Balances:

Checking:	\$2,242.86
Savings:	\$5,690.45
Cash:	<u>\$20.00</u>
Total:	\$7,953.31

##### Transactions this period:

Interest:	+\$0.02
2011 Dues:	+\$711.00
2012 Dues:	+\$50.00
RPU 2Q	-\$110.00
Qwest:	-\$16.88

**IRS Form 990-N E-filing Receipt - IRS Status: Accepted on 4/12/11**

Respectfully submitted,

*Bob*

Bob KCØGND  
RARC Treasurer

**Membership status:** 86 club members

Secretary report for March meeting approved.

KØMD was unable to present his program tonight. KØRGR gave a power point presentation on NBEMS. (Narrow Band Emergency Messaging System) NBEMS nets held on 145.070 Thursdays at 9:00 PM.

The May program is field day 2011. We will be working on the new site set up. Equipment updates, the use of the towers, generators, staging of equipment, etc reviewed.

The June program: Rochester Fire Department is presenting hazardous material, what you need to know and do to be safe.

Tech Committee Rob-KCØFOW: Meeting with Mayo Clinic on the finalizing the 440 D-star repeater site. There are some concerns of the 146.820 repeater. Report to KCØFOW if noted. The IRLP link may be established on the 147.255 repeater, to link the SE MN counties together. Discussions with the county EOC on its operation are ongoing. The club generator needs to be repaired. Estimates are being looked into.

ARES Rob-KCØFOW: Reports the Red River flooding will not be major and outside ARES will not be needed. The sky-warn program will be rotating people in the field to allow everyone to participate. We have so many responders we want to allow everyone to be able to participate. We will be deploying spotters in the city of Rochester for each event. There is an advance spotter program at the Stewartville High School on April 19<sup>th</sup> presented by Todd Shea.

Public Service John-NØHZN: We will have a busy May. Event information is on the RARC web site. You can sign up electronically on the RARC web site too. See the public service link. On July 25<sup>th</sup> a five day MS bicycle event begins. The NCS will be at Iron Wood Springs Ranch. Twenty hams will be needed for each day. Bob ABØBW wants to test cross-band operating on the event route on April 30<sup>th</sup>. See Bob for information and to schedule times.

DX Steve-WØSTV. Rooky Round up on SSB happening on April 16<sup>th</sup>. This is for new contesters only. Reminder of the 10 meter net every Tuesday on 28.325 at 8:00 PM except on club meeting Tuesdays.

Education Bill-KØRGR: He is teaching an entry level ham radio class for two Saturday in April. They will be able to test on May 12<sup>th</sup> at the Red Cross. See the RARC site for details.

Pat Cahill's ladder from the 2010 field day event still is missing. Motion made and passed to pay him to replace the ladder.

There has been discussion of a medical drill with Mayo medical students in May. Monitor the public services site for details.

Submitted by Steve, WØSTV

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*Last update: May 5, 2011*



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## RARC Meeting Minutes – May 2011

05/10/2011 RARC meeting called to order by KCØNPF at 7:05 PM with 31 members present.

April's meeting minutes were approved.

Club treasurer Bob KCØGND reported 92 members to date. Financial statement was reported.

### Rochester Amateur Radio Club

#### Treasurer's Report: Tuesday, May 10, 2011

##### Account Balances:

Checking:	\$2,301.11
Savings:	\$5,690.52
Cash:	<u>\$20.00</u>
Total:	\$8,011.63

##### Transactions this period:

Interest:	+\$0.07
2011 Dues:	+\$100.00
2011 Dues: bounced check	-\$25.00
Qwest:	-\$16.75

Respectfully submitted,

*Bob*

Bob KCØGND  
RARC Treasurer

**Membership status:** 90 club members

Program director Rodney KDØEBT reported June's club program will be about hazardous materials how to deal with them during emergencies by Steve Balow from the Rochester Fire Department.



President reminded of area nets. The Digital MT-63 net on Thursdays 9:00 PM on the 147.255 repeater. They do take voice check ins during the net. This is a great way to learn this digital mode. The HF net meets every Tuesday except on club meeting nights on 28.325 SSB.

Technical committee director Rob KCØFOW reported D-star on the Mayo building at 5 watts. It will have internet connection soon. All repeaters are working fine. Bob ABØBW will have the IRLP node on 147.255 repeater or on simplex of 147.555 PI 114.0 depending on the coverage needed.

Public Service director John NØHZN reports June will be a very busy month. For the Med City Marathon they will stream live video from the race course to a large video screen at the finish line. Please check out the club web site at [WWW.RARCHAMS.ORG](http://WWW.RARCHAMS.ORG) for the latest information, and to sign up for any club activities. A five day MS bike tour will start and end in Rochester. If you can help in any way please sign up. Non-club members are invited to sign up for any public service event that they can attend. There are links to events in greater Minnesota on the web.

ARES-EC Rob KCØFOW asks anyone interested in ARES, to contact him to register with this group. You need to have your picture taken for your ARES ID. Sign up on the club web site.

MED-ARES coordinator John NØHZN says that D-star is being reviewed for a communications extension for the hospitals.

Meeting closed for a short break before the program, field day preparation. Groups where formed and logistics where reviewed. More information at the June meeting .

Submitted by Steve, WØSTV

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*Last update: May 31, 2011*



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## RARC Meeting Minutes – June 2011

06/14/2011 RARC meeting was called to order at 7:03 with 34 members present.

May meeting minutes were approved.

Treasurer- KCØGND reported club financial status. Currently 93 members.

### Rochester Amateur Radio Club

#### Treasurer's Report: Tuesday, June 14, 2011

##### Account Balances:

Checking:	\$2,166.50
Savings:	\$5,690.56
Cash:	<u>\$20.00</u>
Total:	\$8,011.63

##### Transactions this period:

Interest:	+\$0.04
2011 Dues:	+\$55.00
Olmsted United Way	-\$88.12
Field Day	-\$253.98
Bank Analysis Fee	-\$7.00
D-Star repeater	-\$85.89
Qwest:	-\$16.75

Respectfully submitted,

*Bob*

Bob KCØGND  
RARC Treasurer

**Membership status: 90 club members**

V-president- KDØEBT: Tonight's program is Haz-Mat safety, Mike Jacobson discussed the Haz-mat manual and how to determine the properties of liquid and gases by their ID signs.

The July program will be a debriefing of field day. What worked, or did not. How the stations scored. What do we need to do next year, both short and long term adjustments

Tech Committee- KCØFOW: The small tower has been delivered to Game Haven camp.

The main tower bearings will be repaired by field day. A retro-fit of the main tower will be reviewed. The club generator is fixed and ready for field day.

The D-star repeater is working fine with a borrowed filter installed. The club will be purchasing a new filter.

Public Service -NØHZN: Thanks for the past events that hams have helped. Please check out the RARC web site for upcoming events.

ARES- KCØFOW: Reminder of applications and pictures for ID's available at club meetings. ARES vests available at ARRL for \$25 to \$30. The old orange ARES vests will be used by ABØBW and KØRGR for ARES district use.

Skywarn- WØSTV: Reminder of the sky-warn net on the 147.255 repeater PL 100 on the first and third Mondays of each month at 9:00 PM.

Mel reported on the upcoming contests for the club members to get on the air.

Field day discussion on, schedules, equipment, food, drinks, grills, set up, and tear down reviewed.

Meeting closed for a short break before the haz-mat program.

**Submitted by Steve Wiebke/WØSTV**

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*Last update: July 7, 2011*



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## RARC Meeting Minutes – July 2011

07/12/11 RARC meeting called to order at 7:09 with 30 members present.

June meeting minutes where approved.

Bob-KCØGND: Treasurers report was read, report submitted to the web. The club has 92 members to date.

### Rochester Amateur Radio Club

#### Treasurer's Report: Tuesday, July 12, 2011

##### Account Balances:

Checking:	\$1,418.89
Savings:	\$5,690.60
Cash:	<u>\$20.00</u>
Total:	\$7,129.49

##### Transactions this period:

Interest:	+\$0.04
Education Income:	+\$245.00
Generator Repair	-\$144.95
Field Day	-\$635.02
RPU 3Q11:	-\$110.89
Qwest:	-\$16.75

Respectfully submitted,

*Bob*

Bob KCØGND  
RARC Treasurer

**Membership status:** 92 club members

Rodney-KCØEBT: V-president reported tonight's program will be a debriefing of June field day event. Thanks for the people that helped with field day in any way. Next month there will not be a meeting or picnic. KCØFOW will use the RCTC room on August 9, 2011 at 6:00 PM for an ARES meeting to program radios. Review go packs and ARES operations and training.

Rob-KCØFOW: ARES coordinator, reported on the city EOC. The 146.820 battery failed during a power outage and has been replaced. The status of updating the trailer tower is being researched.

John-NØHZN: Public Service director, thanked everyone that helped with past events and reported on the upcoming events. See the RARC web site for details and to sign up for an event.

Scott-KØMD: Reported on the Schaeffer Academy radio station with a power point presentation. A Schaeffer technical committee was formed to review antenna upgrades for their station. The following people are on the committee: Pat-WØBM, Bob-ABØBW, Stan- AIØM, Robert-KØRDA, and Mike-NØMGY

A committee was formed to look at updating the big trailer tower, or an alternative for a tower for the club. The following people make up the group. Steve-WØSTV, Pat-WØBM, Dave-KØRPD, Bob- ABØBW, and Rob-KCØFOW.

Submitted by Steve Wiebke/WØSTV

PS: The Skywarn net has been discontinued starting August 1, 2011. In its place there will be a debriefing net on the Mondays after any skywarn activities.

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*Last update: August 5, 2011*



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## RARC Meeting Minutes – September 2011

On 9-13-2011 the RARC meeting was called to order at 7:05 PM with 24 members present. There was some mix up on the rooms. The club meetings will be held in the Heinz center #HA-102 in the future. Talk in on 146.820 PL 100 repeater.

Treasures report read.

Field day finance statement was reviewed and discussed.

### Rochester Amateur Radio Club

#### Treasurer's Report: Tuesday, Sept 13, 2011 (2 months)

##### Account Balances:

Checking:	\$1,043.36
Savings:	\$5,690.68
Cash:	<u>\$20.00</u>
Total:	\$6,754.04

##### Transactions this period:

Interest:	+\$0.08
Field Day	-\$22.06
Liability Insurance:	-\$320.00
Qwest/CenturyLink:	-\$33.47

Respectfully submitted,

*Bob*

Bob KCØGND  
RARC Treasurer

**Membership status:** 92 club members

Club members reviewed the repair issues for the trailer tower to date. The club will update progress and

review new ideas at future club meetings.

The program for this evening is public service events around the country. Robert, K0RDA has a power point presentation of events he has worked around the country, including the Boston Marathon.

Public Service N0HZN: John thanked radio operators that helped over the year. We have on more event in November at Game-haven. See club web site for information.

ARES Services KC0FOW: Robert gathered the ICS messages that where transmitted on the Sunday RARC nets for members to copy and handed them to his son who was SURPRIZED. On October 1st Olmsted county will perform our SET training. The drill will relate to reports from locations in the city/county. Steel County would like to work with us in the drill. Look for a report in the October minutes.

Med-Comm- N0HZN: No Activity to date.

Contesting- KC0P: Mel talked on upcoming contests that members can compete in.

Education- K0RGR: Bill reported this falls technician class training will be at the Red Cross building the two Saturday classes are on Oct 22, and, Oct 29th See the web site for information. Bill stated that the MBEMS program is now available for the android phones.

Field Day 2012 at the KOA site needs to be visited before winter sets in. Mel, Bob, Ron, and Grant are to evaluate and report back at the October meeting on their findings. This preliminary report will begin preparation for 2012. IBM is offering a \$1,000.00 grant fund. The club will apply for it this fall.

John N0HZN was nominated is chair of the RARC officer nominations for 2012. Steve Wiebke Success favors the prepared -->

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*Last update: Oct 11, 2011*

# RARC Meeting Minutes – October 2011

RARC October 11, 2011 at RCTC

## Meeting Minutes

Introductions

### Reports:

Approval of Sept. 2011 minutes

Treasurer's Report (to be approved as part of these minutes) :

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### RARC Treasurer's Report: Tuesday, October 11, 2011

#### Account Balances:

Checking:	\$760.07
Savings:	\$5,690.72
Cash:	<u>\$20.00</u>
Total:	\$6470.92

#### Transactions this period:

Interest:	+\$0.08
Olmsted United Way:	+\$87.42
RPU (4th Qtr)	-\$110.00
Fire-Theft Insurance:	-\$244.00
CenturyLink:	-\$16.71

Respectfully submitted,

*Bob*

Bob KCØGND  
RARC Treasurer

**Membership status:** 92 club members

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**Vice President's Report:** Rod will be moving away as of tonight. Scott Wright has 250 picture QSL cards to donate



for a prize for coming up with a club QSL card. Peter, W0LLN will work with Scott on finding a winner design.

**President's Report:** Welcome visitors Richard Groby KD5NTL

**Field Day Report:** KOA campsite Information about the KOA campground was presented by K0VH. Information will be forwarded to the club by e-mail and posted on the webpage. Not handicap accessible Non-ham activities will be present. Completely different set of challenges than our normal sites.

**Tech committee:** ' . 820 needs battery, large tower trailer needs repair. All equipment is operational. Must move equipment to Pat's by 15th of October from Gamehaven. Pat will be going out of town. Post driver – K0RPD

**Tower Repair committee:** Follow up on stv's note "As a member of the the portable tower repair committee that was formed two months ago, I am asking for input from the club on what we should do about the large portable trailer tower. The cost estimates for fixing the current problems and retrofitting it for safety will be around \$1300.00. This would make the tower DOT qualified, and bring it up to standards for extending it to its full length. We have never done this due to safety concerns. The tower as it sets is not usable.(cracked welds) Please reply with comments pro and con on this club issue. It will be discussed at the club meeting on Tuesday. If you want to contact me in person call 254-3993 for more information. Thanks for the feed back I have recieved already. Thanks for your time, Steve W0STV."

Grant K1KD: 5" diameter 50ft guyed tower, Ontario NY, \$400 shipping 3 people could put up tower, it is mounted on a stake. AB577. \$1200 Armstrong Rotatable. 300Lbs, would fit in a station wagon. 6" diameter tube mast also available. AB621 \$1800 Tower on a trailer on 63 north we might be able to acquire Pat W0BM Dave K0RPD Bob AB0BW

**Public Service:** John N0HZN reviewed local events 10k crosscountry run at gamehaven coming up. Rob will have further information on out-of-area events

**ARES:** SET was October 1st - reviewed. EOC MedComm

### **Old Business:**

- Field day committee for next year: The KOA's FD Chair Dave K0VH Peter K0LLN Dave K0VH Grant K1KD Mel KC0P Bob AB0BW
- Nominating Committee for next year's officers - N0HZN

### **New Business:**

- IBM Grants K0RDA will be heading that up. 5 people for up to \$1500.
- Call Roger 507-951-4666 for more ham stuff.
- Wabasha is running a Sunday night net at 7:30 146.745 Break Christmas Meeting
- Call Dos Amigos or what used to be dos amigos downtown, name changed. About December meeting. Pizza Ranch Godfathers
- BJ, KC0NPF is looking for additional members for Dodge County ARES.

Respectfully Submitted,  
Byron J. Watts , KC0NPF

## RARC Meeting Minutes – November 8, 2011

The November RARC meeting was called to order at 7:03PM at the Heintz Center building room HA-102 with 23 members present.

October's RARC meeting minutes were approved .

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### RARC Treasurer's Report: Tuesday, November 8, 2011

#### Account Balances:

Checking:	\$743.32
Savings:	\$5,690.76
Cash:	<u>\$20.00</u>
Total:	\$6454.08

#### Transactions this period:

Interest:	+\$0.04
CenturyLink:	-\$16.75

Respectfully submitted,

*Bob*

Bob KCØGND  
RARC Treasurer

#### Membership status: 92

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**EDUCATION:** Bill KØRGR reported of the 5 students that took the ham radio class, 3 passed the VE test in Winona. The other two could be taking the VE test at the Rochester Red Cross this Thursday at 6:30 PM.

**EQUIPMENT:** Paul Lenard became a silent key. His family has requested the club inspect his radio equipment for identification and pricing for sale. A report will be announced at the December meeting.

**TECH COMMITTEE:** Rob KCØFOW had nothing to report

**PUBLIC SERVICE:** John NØHZN announced we have one last public service event for 2011. The Gamehaven cross country run on November 12, 2011.

**ARES:** Rob KCØFOW told the members, KØRGR donated an HF antenna to the Olmsted County EOC.

**MED-ARES:** Bill KØRGR talked about the meeting with the twin cities hams and hospital personal on moving forward with their MED-ARES programs. Future meeting(s) are planned next year.

## NOMINATIONS FOR 2012 RARC:

- PRESIDENT: Scott Wright K0MD
- VICE PRESIDENT: Pat Cahill W0BM
- TREASURER: Robert Andrews K0RDA
- SECRETARY: Steve Wiebke W0STV

Nominations will be accepted at the RARC holiday party on December 13th at the Olive Garden . Party begins at 6:00 PM. Bring something to show if you can.

TOWERS: After discussion by the club, it was determined that repair of the crank up tower would be put on hold until early spring. Grant K1KD was instructed to place a WTB add for a portable military type mast. He was approved to spend up to \$1200.00 for the purchase. If Grant has not purchased a mast by the December meeting/party he will have a price from a supplier for approval from the club. Robert K0RDA applied for a grant from IBM last month. He received a check for \$3000.00. It will be applied to the tower project(s). Thank you Robert!

Check out [www.rarchams.org](http://www.rarchams.org) for information on contest, nets and club activities.

Meeting ended.

The program for this evening focused on how to use solar panels for alternate energy, by Craig Siegenthaler, AC0WQ.

73 de W0STV



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## RARC December 13, 2011 at Olive Garden

### Meeting Minutes

Approval of Nov. 2011 minutes: Approved

Treasurer's Report:

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### RARC Treasurer's Report: Tuesday, December 13, 2011

#### Account Balances:

Checking:	\$3,801.09
Savings:	\$5,690.80
Cash:	<u>\$20.00</u>
Total:	\$9,511.89

#### Transactions this period:

Interest:	+\$0.04
IBM Grant:	+3,000.00
Olmsted United Way:	+\$74.53
CenturyLink:	-\$16.75

Respectfully submitted,

*Bob*

Bob KCØGND  
RARC Treasurer

**Membership status: 102**

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**New Club Officers** Nominations submitted by Nominating Committee:

- Scott Wright, KØMD - President
- Byron "Pat" Cahill, WØBM - Vice President
- Steve Wiebke, WØSTV - Secretary
- Robert Andrews, KØRDA - Treasurer

All officers were unanimously elected.

**Motion** made and passed authorizing up to \$2,500 for purchase of two (2) military tower kits.

**Motion** made and passed to purchase WØMXW QSL cards, approximately \$60.

Meeting Adjourned.

Respectfully submitted:  
Bob KCØGND, Acting Secretary



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## RARC Meeting Minutes – January 2010

January 2010 RARC Minutes 1/12/10

December 2009 Minutes moved to be approved and was accepted.

Treasurer's Report:

Rochester Amateur Radio Club

Treasurer's Report: Tuesday, Jan 12, 2010

Account Balances:

Checking: \$3,525.46

Savings: \$5,689.87

Cash: \$20.00

Total: \$9,235.33

Transactions this period:

Interest: +\$0.04

2010 Dues: +\$265.00

2011 Dues: +\$25.00

United Way (IBM): +\$30.00

PO Box #1 rental -\$60.00

RPU (1Q10): -\$100.00

Qwest: -\$16.58

Per Club Bylaw Section 7.8, the RARC 2009 annual written report is at: [http://www.rarchams.org/finance/RARC\\_Financial\\_2009.htm](http://www.rarchams.org/finance/RARC_Financial_2009.htm)

Respectfully submitted

Bob

Bob KCØGND

RARC Treasurer

Membership status: 103 club members (31 paid thru 2010)

Technical Committee:

-City of Rochester was the source for a cabinet for the '82 repeater. Once snow has cleared, they will finish that project.

Public Service:

Frozen Goose Run – Feb. 06 Use HT's and contact John nØhzn if interested in helping.

Stay out of the Sun Run in May.

ARES:

Contact Bob abØbw for the new sign up for net control operator.

MedComm: Nothing to report. Will Update phone tree.

EOC: Ownership for '255 repeater is being changed

-Skywarn Training March 24<sup>th</sup> (See Website) Must pre-register

Education Committee:

The Club Purchased the following books which have been delivered to the Rochester Public Library.

ARRL Operating Manual 9th Ed.

The ARRL RFI book 2nd Ed

The ARRL Antenna Handbook 21st Ed

The ARRL Extra Class Man. 8th Ed.

ARRL's Low Power Communication 3rd Ed

ON4UN's Low Band DXing

We will be focusing a finding a Boy Scout Event that we can piggyback an Amateur Radio Activity during this next year. Thoughts and suggestions are welcome.

Re-establish ties with school radio programs and their representatives in our club.

Old Business:

Membership status Vote:

-Robert kØrda reviewed discussion and proposal.

-1. reduced Student Membership dues at \$5 which is a change from the current fee schedule 2. remove the age limit 3. Remove the full time status.

27 present: 26 aye, 1 neigh. Motion passed.

New Business:

Contesting: VHF contest, QSO party coming up. Check out the ARRL website for details.

VE Testing Session February 11<sup>th</sup> 6:30 at the Red Cross Building.

Meeting adjourned at 7:30 P.M.

Presentation:

Trunked Radio and activity in Minnesota --- Robert kØrda

Submitted by Rodney, KDØEBT

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*Last update: January 14, 2010*





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## RARC Meeting Minutes – February 2010

RARC Monthly Meeting

2/9/2010 7:00 P.M.

Motion and Approval of January 2010 minutes.

Treasurers Report:

### Treasurer's Report: Tuesday, Feb 09, 2010

#### Account Balances:

Checking:	\$3,702.74
Savings:	\$5,689.91
Cash:	<u>\$20.00</u>
Total:	\$9,412.65

#### Transactions this period:

Interest:	+\$0.04
2010 Dues:	+\$490.00
Library Donation:	-\$147.04
Web Site Server:	-\$149.00
Qwest:	-\$16.68

Committee Reports:

**Tech Committee:** Nothing to Report

#### Public Service:

- Frozen Goose Run went well.
- Next event Stay out of the Sun Run in May.

#### ARES:

-Need more people for Net Control Operators

**EOC:**

-Skywarn Training contact Steve WØSTV to reserve a spot.

**DX Contesting:**

-School Round Up this week Feb 8 – 12.

-ARRL CW Context Next weekend.

-First weekend in March ARRL DX SSB Contest.

**Education Committee:**

-Tech class scheduled for Mar. 20<sup>th</sup>

-Students get their own copy of the License Manual in advance and read it prior to class.

-Details are on the Website.

**Old Business:**

-None

**New Business:**

-Need to get committee together to start planning for Field Day. Talk to Peter if interested.

**Program :**

Paul Bittner WØAIH, from Eau Claire, will be talking about his superstation

Submitted by Rodney, KDØEBT

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*Last update: February 10, 2010*



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## RARC February 2010 Meeting Rewind

The February monthly club meeting was held on Tuesday, February 9, 2010, in [Room HS 131, Health Sciences, at the UCR/RCTC Campus](#), in Rochester. The [business meeting](#) was followed by a wonderful program provided by visiting ham Paul Bittner WØAIH, from Eau Claire. Paul presented his famous superstation, commonly referred to as "The Farm".

Please enjoy this video of Paul's presentation provided by Peter N8MHD.

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*Last update: March 20, 2010*



## RARC Meeting Minutes – March 2010

RARC March 09, 2010 Meeting

7:00 PM

Introductions

February 2010 Minutes: Moved and Approved

### Treasurer's Report: Tuesday, March 09, 2010

#### Account Balances:

Checking:	\$3,893.55
Savings:	\$5,689.95
Cash:	<u>\$20.00</u>
Total:	\$9,603.50

#### Transactions this period:

Interest:	+\$0.04
2010 Dues:	+\$155.00
United Way (IBM + Mayo)	+\$52.49
Qwest:	-\$16.68

**Membership status:** 104 club members (65 paid thru 2010)

Vice President's Report

-Peter N8MHD giving presentation on Receive antennas

-Next Month Steve WØSTV on EOC

Tech Committee:

-440 repeater is currently offline pending committee looking at the equipment.

-John NØHZN has applied for a grant that if received will help the club upgrade technology, possibly the 440 repeater

- Need to discuss with IBM radio club about the TNC/digipeater located there and its functionality

Public Service:

- Check the calendar for upcoming events in May and June.
- Good show for the Frozen Goose Run

ARES:

- Net control operator list for 2010 is now posted on the website.

EOC:

- being moved to City Hall
- Steve WØSTV recommended radios for Amateur Radio use.
- Skywarn Training coming up March 24<sup>th</sup>.
- County EOC will continue to exist as is.

Education:

- Tech Class on March 20<sup>th</sup> Please spread the word to find additional interested people

Old Business:

- None

New Business:

- Field Day organizing committee
- Committee will prepare an outline proposal to the club

Announcements:

- CW class organizational meeting March 23,25, 31<sup>st</sup> site and time TBA. Contact Peter N8MHD if interested.
- AES Superfest April 9, 10, 11 in Milwaukee [www.aesham.com](http://www.aesham.com) for details
- Bob ABØBW prepared an Introduction to Ham Radio presentation
- Steve WØSTV brought a reference called “Charitable Deductions Relating to Ham Radio

Motion and Approval to Adjourn

Presentation: Receive Antennas: Peter N8MHD

Submitted by Rodney, KDØEBT

*Last update: March 10, 2010*



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## RARC Meeting Minutes – April 2010

**Rochester Amateur Radio Club Tuesday, April 13, 2010**

**Motion given and approved for March 2010 Minutes. Passed**

### Treasurer's Report:

#### Account Balances:

Checking:	\$4,285.63
Savings:	\$5,689.94
Cash:	<u>\$20.00</u>
Total:	\$9,995.25

#### Transactions this period:

Interest:	+\$0.04
2010 Dues:	+\$550.00
IBM United Way + KCØRXG	+\$40.00
RPU 2Q	-\$110.00
'.82 PA shipping	-\$55.73
APRS tracker batteries	-\$15.51
Qwest:	-\$16.68

**IRS Form 990-N E-filing Receipt - IRS Status: Accepted** on 4/13/10

**Membership status:** 90 club members

Attendance: 42

VP Report: Tonight EOC and Skywarn presentation

Tech Committee: 440 is nonfunctional, .625 is in working order, .82 KCØUCN looking for bids on shelving and assemble the cabinet.

Public Service: NAMI Walk May 15<sup>th</sup>, SOS Run May 21<sup>st</sup>, Tour de Cure May 22<sup>nd</sup> Med City Marathon May 30<sup>th</sup>.

ARES/Medcomm/EOC: Emergency Services Desktop Drill organized by the Homeland Security Emergency Management was attended by ABØBW recently.

Education Committee: CW meeting every other Wednesday SH109. Next meeting April 14<sup>th</sup> at 7:00.  
Discussion using 10 meters for on air practice.

Old Business:

Field Day Proposal: 3A 150w CW,SSB, Digital, GOTA, VHF, Listening Station/ 2A Battery 2 stations and also VHF. All stations will have a tower except GOTA. Plus additional wire antennas as needed.

Proposal for extra stuff: KCØP half rhombic, n8mhd suggested a receive antenna.

New Business:

May meeting KØMD proposes to have the presentation first to allow elementary kids to attend the program.  
Motion moved and seconded, approval for the presentation first, business meeting second.

KCØUCN proposed for \$250 for .82 upgrades. Moved and approved.

Discussion of donated ham radio equipment. Contact Peter N8MHD for more information. Technical committee will need a list of equipment and serial numbers.

Motion to adjourn and passed.

Presentation on Skywarn and EOC.

Submitted by Rodney, KDØEBT

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*Last update: April 15, 2010*





## RARC Meeting Minutes – May 2010

RARC May 11, 2010 Minutes

Presentation: Moonbounce and Digital Modes with VHF and UHF - Terry WØVB

Motion to approve April 2010 Minutes : Passed

### Treasurer's Report: Tuesday, May 11, 2010

#### Account Balances:

Checking:	\$4,718.02
Savings:	\$5,690.03
Cash:	<u>\$20.00</u>
Total:	\$10,428.05

#### Transactions this period:

Interest:	+\$0.04
2010 Dues:	+\$120.00
Olmsted Cty United Way	+\$29.13
Midwest Tandem Rally Donation	+\$300.00
Qwest:	-\$16.74

Respectfully submitted,

*Bob*

Bob KCØGND  
RARC Treasurer

**Membership status:** 95 club members

VP Report: Programs Terry WØVB presentation, next month talking about field day

**Tech Committee:** Still working on '82 cabinet

-Finding noise on 2 meters possibly on the SW side of town.

-Interested in purchasing rtg micro tracks \$386 motion (WØBM) to purchase and seconded (AIØM). Passed

#### Public Service:

-NAMI Walk 5/15 9:00 am if interested talk to Rob KCØFOW

-May 21<sup>st</sup> – The SOS John, NØHZN

-May 22<sup>nd</sup> is the Diabetes Ture de Cure ride John, NØHZN

- May 30<sup>th</sup> Med-City Marathon. Eric KFØS is the coordinator.

**ARES:** Contact Bob ABØBW if interested

IRLP Node is on simplex 440.374 now since the 440 rpt is down.

**MedComm:** New Emergency person in charge at Mayo/St. Mary's

**EOC:** City EOC is up and running with Amateur Radio gear.

Olmstead Co. EOC will be having open house in May.

Skywarn Activation overnight between 10 p.m. to 6 a.m. simplex 146.550 pl 100

**Education Committee:** CW class 5/12 7 p.m. at RCTC SH 109

-Look on the ARRL website for new EmComm classes.

-Also a lot of new ARRL publications coming out

**Field Day:**

-Club 3A with VHF and GOTA WØBM

-QRP 2A battery with VHF WØMXW

Submitted by Rodney, KDØEBT

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*Last update: May 12, 2010*



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## RARC Meeting Minutes – June 2010

### Rochester Amateur Radio Club

June 8, 2010

Introductions:

Move and second to approve May 2010 Minutes, Passed

#### Treasurer's Report: Tuesday, June 8, 2010

##### Account Balances:

Checking:	\$4,176.28
Savings:	\$5,690.07
Cash:	<u>\$20.00</u>
Total:	\$9,886.35

##### Transactions this period:

Interest:	+\$0.04
2009 DXCC Gambling taxes	-\$139.00
2 APRS Trackers	-\$386.00
Qwest:	-\$16.74

**Membership status:** 96 club members

VP Report: Presentation is Field Day Planning

July: KØMD Presents DXing in Chile

Tech Committee:

- Club antenna analyzer is malfunctioning

1. Discussion for repair vs. replacement

- Awaiting parts for '82 repeater.

Public Service:

-June 20<sup>th</sup> HyVee Triathlon Contact John NØHZN

th

-June 25 Rochesterfest Parade Contact Steve WØSTV

ARES:

-Special Visitor Dan Anderson, Minnesota SEC Coordinator Presentation to Bill Osler KØRGR the title of Southeast Minnesota DEC.

EOC:

-Skywarn Net on 1<sup>st</sup> and 3rd Monday night of each month until Labor Day (147.255). Next one is June 21<sup>st</sup>.

-Support Wabasha County Skywarn to assist their program in getting up and running.

-County EOC will be moving in September 2010.

-Keep ears open to EOC open house later June.

-EM-50 ATV will be installed.

ARES:

-Need new spot for the black emergency trailer

Education Committee:

-CW Class Meets every other Wednesday.

Old Business: Field Day

New Business:

-Congrats to Rob KØRDA has an appendix section in the new ARRL publication “Storm Spotting and Amateur Radio” by Michael Corey, W5MPC, Victor Morris, AH6WX

-June VHF Contest this Saturday June 12<sup>th</sup>.

Break

Field Day Discussion

Submitted by Rodney, KDØEBT

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*Last update: June 13, 2010*



## RARC Meeting Minutes – July 2010

RARC July 2010 Meeting Minutes

Introductions

Motion to approve June2010 Minutes: Motion to approve, seconded... Approved

### Treasurer's Report: Tuesday, July 13, 2010

#### Account Balances:

Checking:	\$4,049.54
Savings:	\$5,690.11
Cash:	<u>\$20.00</u>
Total:	\$9,759.65

#### Transactions this period:

Interest:	+\$0.04
Dues: 2010	+\$25.00
Dues: 2011	+\$25.00
2009 DXCC W0TAX gift	-\$50.00
RPU (3Q est.)	-\$110.00
Qwest:	-\$16.74

Respectfully submitted,

*Bob*

Bob KCØGND  
RARC Treasurer

**Membership status:** 96 club members

Vice President's Report: Impromptu program on Field Day debriefing and Skywarn discussion

-Next Month: Annual Picnic

Tech Committee: We now have our band-pass filter in working order.

Public Service: Nothing to report. Refer to club website for updates.

ARES: Make sure you take responsibility for when you are net control operator for Sunday night net.

EOC: EM-50 will have it's own ATV set-up (receive only) in addition to 2 meter, 70 cm analog and digital in available.

-1<sup>st</sup> and 3<sup>rd</sup> Mondays of the month on the 147.255 rptr. is the Skywarn net.

Education Committee:

-CW class continues on every other Wednesday, next one is on July 21<sup>st</sup>.

Old Business: None

New Business: Local ham wanting to liquidate some equipment and old issues of QST. Talk to Bob, KCØGND if interested.

-Working on developing an IRLP node to increase communication within SE Minnesota.

-August Picnic Motion to release funds for purchasing brats, hamburgers, condiments, buns, plates and flatware, and cups, and charcoal. Motion, seconded, and approved. The annual picnic will be held August 10<sup>th</sup> at Essex Park, right off of 55th NW at W. River Parkway. The club will provide hamburgers, brats, buns, plastic utensils, paper plates, and cups. People should bring something to pass, and beverages. Charcoal will be started about 5:30 PM, and be ready to cook at 6:00 PM. People should bring whatever radio item they wish to show off. We'll have a couple of antennas, and rigs to try them with. Bob ABØBW will also bring foxhunt equipment.

Break

Presentation: Field Day Debriefing and Skywarn activity discussion.

Submitted by Rodney, KDØEBT

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*Last update: July 19, 2010*



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## RARC Meeting Minutes – September 2010

Introductions

approval of minutes, passed.

Treasurer's report, membership

### Rochester Amateur Radio Club

#### Treasurer's Report: Tuesday, Sept 14, 2010 (2 months)

##### Account Balances:

Checking:	\$3,410.77
Savings:	\$5,690.19
Cash:	<u>\$20.00</u>
Total:	\$9,120.96

##### Transactions this period:

Interest:	+\$0.08
Dues: 2010	+\$25.00
Picnic	-\$61.29
Field Day	-\$268.31
Liability Insurance	-\$320.00
Qwest:	-\$33.36

Respectfully submitted,

Bob

Bob KCØGND  
RARC Treasurer

**Membership status:** 96 club members

VP's report, programs: Program tonight is DX spotting and Reverse Beacons

## Committees

tech :

- The MFJ antenna analyzer we own is now working again on its own.
- Tiny trackers are working in in public service events
- .82 cabinet- still looking for shelves within budget of previously approved amount.

- 440 is down permanently however we have been awarded with a Pepsi grant and

we have a quote for a DSTAR Controler, 440 rptr, and support software.

## Future

presentation will be given once all the details are figured out.

public service

- Events have been completed for the year. Last one was a new event, The Harvest Classic

ARES

- Bill, KØRGR DEC for District 1 announced new assignments, Bob ABØBW promoted

to assistant DEC, B.J. KCØNPF EC for Dodge County, Rob KCØFOW is the new

Olmstead Co. EC.

- Minnesota ARES has a portable rptr for deployment.
- District 1 ARES drill October 23rd.
- October 15th Statewide FEMA hospital drill
- Bob ABØBW working on linking the entire District 1 rptr

Med Comm

- John NØHZN met with new emergency operation leader for Mayo Clinic to define

and clarify roles.

Emergency Services (EOC)

- EOC move in November next to the Red Cross building.
- EM-50 is working on an ATV system, already rx capable, working on a go-

pack

for ATV.

- Grant KCØJOO donated a dual band antenna to the EOC, Thanks.

DX/Contesting

- North American Sprint this weekend 9/18-9/19

Education



-CW class, every other Wed, 7pm SH 109.

## **Old business**

-None

## **New Business**

-Informal Net 147.255 rptr at 9:00 pm Monday Nights.

-Route 66 One the Air event 9/11 - 9/18

- Motion to donate the non-working 440 rptr to Dave KCØUCN as a thanks for all the volunteered work hours on technical aspects of the gear. Motion passed

- Motion to increase the amount budgeted for the .82 cabinet from \$250 to \$400 with the addition of a watt meter. Motion Passed

- Motion to direct Pespi grant funds towards DSTAR rptr purchase and an additional \$1800 to supplement the grant to cover the full cost of the rptr. Motion passed

## **Announcements:**

Sprint next weekend.

## **Motion to adjourn: Passed**

Submitted by Rodney, KDØEBT

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*Last update: September 15, 2010*



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## RARC Meeting Minutes – October 2010

### Introductions

**September 2010 Minutes:** Moved to accept: Approved

### Treasurer's Report: Tuesday, Oct 12, 2010

#### Account Balances:

Checking:	\$2,334.92
Savings:	\$5,690.23
Cash:	<u>\$20.00</u>
Total:	\$8,045.15

#### Transactions this period:

Interest:	+\$0.04
Dues: 2010	+\$15.00
Dues: 2011	+\$25.00
Pepsi grant	+\$2,355.00
KCØFOW - '440 D-Star	-\$3,107.12
Fire-Theft Insurance	-\$237.00
RPU (4Q est.):	-\$110.00
Qwest:	-\$16.73

Respectfully submitted,

*Bob*

Bob KCØGND  
RARC Treasurer

**Membership status:** 100 club members

#### Vice President Report:

-Program in Nov. Niel WØVLZ "2 Crappie Poles and some Wire"

#### Tech Committee:

- D-Star rpt'r being assembled by John NØHZN and Rob KCØFOW.
- All other rpt'rs are in working order

### **Public Service:**

- Gamehaven Cross Country 11/13/10 at 9:00 am. 4-5 operators needed contact Steve WØSTV.

### **ARES:**

- No 10/15 Hospital Drill as ARES is not involved
- ARES badge photos being taken now through Dec 2010.
- No Oct. 23rd Drill. Please stay in touch for future drills.

### **DX Contesting:**

- See club and ARRL websites for more information

### **Education:**

- CW class running into problems with scheduling with changing times. Seeing if people are interested in Tuesdays.

### **VHF+:**

- New committee Mel KCØP/r and Rodney KDØEBT co-chair.
- Short power point presentation on goals and objectives for the VHF+ Committee
- Promoting knowledge and awareness of VHF+ activities beyond repeater usage.
- 11 in '11 Seeking operators to join in for a club submission to the 2011 January VHF+ Sweepstakes. Sign up passed around. Contact Mel KCØP or Rodney KDØEBT for more information.

### **Old Business:**

- Pat WØBM is still missing his Orange Ladder that was used for field day. Please let Pat know if you find it or know where it is.

### **New Business:**

- Looking for officers for 2011 Club officers. Contact John NØHZN or Steve WØSTV if interested.
- Iowa QSO Party coming up. Listen for WØZQ/r
- Mike NØMGY has a 50' self supportive tower w/ 136-160 mhz vertical available to him. Need help taking it down and transporting.

Meeting Adjourned.

### **Presentation:**D-star Rob KCØFOW

Respectively submitted: Rodney, KDØEBT Recorded by Steve, WØSTV

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*Last update: October 20, 2010*



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## RARC Meeting Minutes – November 2010

RARC November 9, 2010

Meeting Minutes

Introductions

Approval of Oct. 2010 minutes: Approved

Treasurer's Report:

**Account Balances:**

Checking:	\$2,318.23
Savings:	\$5,690.27
Cash:	<u>\$20.00</u>
Total:	\$8,028.50

**Transactions this period:**

Interest:	+\$0.04
Qwest:	-\$16.69

Respectfully submitted,

*Bob*

Bob KCØGND  
RARC Treasurer

Vice President: Neil, WØVLZ "2 Crappie Poles and Some Wire" Tonight

Next month: Holiday Party

President Report: Field Day 2010 report. Refer to ARRL website for statistics.

Tech Committee: DSTAR rptr—all the equipment has arrived with the last being the duplexers. Repeater is running at KCØFOW's qth. Still working out details for final location of DSTAR rptr.

-All other rptr are running at full capacity.

Public Service: Gamehaven Run-- WØSTV will post details on website and reflector.

ARES: Updated Olmstead Co. ARES Frequency List passed around and available on website.

-Goal is to have one simplex net each month next year for ARES.

EOC: EOC is hopefully moving by the first of the year.

- Red Cross has a new radio

-Need orientation class for ham radio operators for the EM-50 ham gear.

MedComm: Table Top Drill in May 2011.

DX Contesting: Nothing to Report

Education: Schedule conflicts will defer CW class until Feb 2011.

VHF+: Quick presentation on area gridsquares and operating procedures.

-Operating positions in Minn and Iowa

Old Business:

-Cahill thank you gift for Field Day – motion for Family Club membership and \$50 gift certificate. Approved

Nomination Committee:

-President – Write in

-Vice President- Rodney KDØEBT

-Secretary- Dave KCØUCN with Steve WØSTV backup

-Treasurer- Bob, KCØGND

December Christmas Party: Old Country Buffett, Victorias, Dos Amigos, Pizza Ranch (Stewartville), Broadway Pizza. Look for email from the President.

-Elmer Committee restart-up.

Break

Presentation: [Niel WØVLZ](#) “Two Crappie Poles and Some Wire”

Respectively submitted: Rodney, KDØEBT

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*Last update: November 22, 2010*



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## RARC Meeting Minutes – December 2010

RARC December 14, 2010 at Dos Amigo's

Meeting Minutes

Introductions

Approval of Nov. 2010 minutes: Approved

Treasurer's Report:

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### Rochester Amateur Radio Club

#### Treasurer's Report: Tuesday, Dec 14, 2010

##### Account Balances:

Checking:	\$1,045.49
Savings:	\$5,690.31
Cash:	<u>\$20.00</u>
Total:	\$6,755.80

##### Transactions this period:

Interest:	+\$0.04
UHF Repeater antenna:	-\$104.98
Field Day:	-\$50.00
PO Box 1 rental:	-\$60.00
Fire-Theft Insurance:	-\$15.92
Qwest:	-\$16.59

Respectfully submitted,

*Bob*

Bob KCØGND  
RARC Treasurer

**Membership status:** 100 club members

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New Club Officers Nominations submitted by Nominating Committee:

- Byron "BJ" Watts, KCØNPF - President
- Rodney J McComb, KDØEBT - Vice President
- Steve L Wiebke, WØSTV - Secretary
- Robert J Hart, KCØGND - Treasurer

All officers were unanimously elected.

Meeting Adjourned.

Respectfully submitted: Bob KCØGND, Acting Secretary

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*Last update: December 19, 2010*



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## Meeting Minutes January 2009

The January meeting of the Rochester Amateur Radio Club was called to order by President Peter Wollan, N8NHD, at 7:01 in room EH-109 at the RCTC campus. There were 30 members present.

Peter started the meeting with introductions.

### Rochester Amateur Radio Club

#### Treasurer's Report: Tuesday, January 13, 2009

##### Account Balances:

Checking:	\$5,271.67
Savings: (note 1)	\$5,689.39
Cash:	<u>\$20.00</u>
Total:	\$10,981.06

##### Transactions this period:

Interest:	+\$0.04
IBM United Way:	+\$32.40
2009 dues:	+\$390.00
IBM Grant:	+1000.00
Qwest:	-\$16.40
Web Site Server:	-\$149.00
RPU - 1Q09	-\$110.00

##### Notes:

1 - Includes repeater reserve fund, pending ARRL insurance payout mailing of \$450.00.

Respectfully submitted,

*Bob*

Bob KCØGND  
 RARC Treasurer



**Membership status:** 33 club members paid for as of the start of the meeting.

**RARC 2008 Annual Financial Report at:** [http://www.rarchams.org/finance/RARC\\_Financial\\_2008.htm](http://www.rarchams.org/finance/RARC_Financial_2008.htm)

**Meeting Minutes:** The December 2008 meeting minutes were approved.

**Tonight's Program:**

- Peter, N8MHD, is doing a presentation on software antenna models
- The February program will be on the APRS kits obtained through the IBM grant.
- There are still talks about doing a kit build night

**Committee Reports:**

**Technical Committee-** Rob KCØFOW

- The Tech. Committee did not meet.

**Public Service-** John NØHZN

- The Frozen Goose run will be held February 7<sup>th</sup>.
- Med City Marathon will be May 24<sup>th</sup>
- The Diabetes Tour de Cure will be May 30<sup>th</sup>
  - Rob, KCØFOW, was presented with a Plaque for his help with last years event.

**Med ARES-** John NØHZN

- Renamed MedCom
- First meeting is coming up soon
- Contact John, NØHZN in you are interested in joining, you don't need to be a Mayo employee

**ARES-** Bob ABØBW

- Taking orders for new ARES vests
  - ARES logo badge has to be bought separately, available from the ARRL website
- Pictures for new ARES badges were taken and those that had pictures taken previously were given their new badges
- Some changes have been made to the badges including adding a frequency list on the back side of the badge

**EOC-** Steve WØSTV

- Had a budget meeting
- Wanting a Volunteer staff as liaisons to other organizations
  - Need to have a list of skills and be available to train 3 or 4 times a year
  - Need to be available for EOC/EM-50 call ups
  - Looking for about 10 people
  - Need to be careful about other commitments that may take place with those events
- Off topic Steve announced that he will be running Echolink from his house on the 146.625 repeater
- The Skywarn training will be held on March 16<sup>th</sup> at 6:30pm at the Rochester International Event Center

**DX/Contesting**

- VHF contest starts Saturday at 1:00 and goes until Sunday at 10:00
- North America QSO party Saturday and Sunday
- Minnesota QSO part coming up soon

**Education**

- Not sure if the \$1000 is still reserved

- Pending talking with other people
- Talking about starting with no budget for that committee but having any needs for funding submitted to the club as proposals

### **Field Day**

- Starting discussions
- May want a few more people on the committee
- Field Day will take place June 27<sup>th</sup> and 28<sup>th</sup>

### **Old Business:**

- Field Day discussion will be in May
- Generator for the 146.820 repeater is waiting on the reimbursement check from the amp.

### **New Business:**

- Expo Committee has been established
  - Being headed by Scott Wright, KØMD
  - Discussing weather to have one this year or wait until 2010 but start organizing this September the later one being most likely
- Technician level radio class is set to start April 25

The Business meeting was adjured at 7:36pm.

Respectfully submitted, Bryan Borland, KCØWIJ

### **Program**

Tonight's program was on antenna modeling. Peter, N8MHD, talked about the biases of the modeling software. He also discussed the different versions of the N.E.C., Numerical Electromagnetics Code, software. He also demonstrated different antenna models that have been done by the software designer and some examples that people at the meeting wanted to see what they would look like.

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*Last update: January 28, 2008*



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## Meeting Minutes- February 2009

The February meeting of the Rochester Armature Radio Club was called to order by President Peter, N8MHD, at 7:05 in room SH-120 at the RCTC campus. There were 34 members present

Peter started the meeting with introductions.

The January meeting minutes were approved.

### **Treasurer's Report: Tuesday, February 10, 2009**

#### **Account Balances:**

Checking:	\$5,755.98
Savings:	\$5,689.43
Cash:	<u>\$20.00</u>
Total:	\$11,465.41

#### **Transactions this period:**

Interest:	+\$0.04
IBM United Way:	+\$10.00
2009 dues:	+\$600.00
ARRL Insurance Claim:	+\$450.00
EXPO '08:	+\$80.00
EXPO '08:	-\$25.00
Qwest:	-\$16.28
APRS Project:	-\$614.41

Respectfully submitted,

*Bob*

Bob KCØGND  
RARC Treasurer

**Membership status:** 65 club members paid for 2009

#### **Programs:**

- Tonight Expo 2009 and APRS trackers purchased by RARC through IBM grant
- March's program will be Field Day.

#### **Committee Reports:**

### **Tech. Committee- Rob KCØFOW**

- New members
- Interference on 146.820 repeater, the cans are being checked out
- Generator for the .82 repeater was purchased
- Looking into possible 2M band interference possibly being caused by a form of BPL
- The antenna analyzer is going bad

### **MEDCOM- John NØHZN**

- **Planning another meeting**

### **Public Service- John NØHZN**

- May 15, Stay out of the sun run
- May 21, Med City Marathon
- May 30, Diabetes Tour De Cure
- Possible events in August and October

### **ARES- Bob ABØBW**

- One more month to take picture for new ARES badges
- An E-mail will be sent about purchasing new vests
- Discussed a possible club net to lead into the ARES net

### **EOC- Rob KCØFOW**

- Skywarn training is March 16 at 6:30 at the Rochester International Event center
- Talked about having dinner before at the Hanger at 5:00

### **DX/Contesting- Scott KØMD**

- Big MN contest Just happened
- ND QSO party next month
- DXpadition to a Desecnco, a hot location, had been in the plans for 15 years happening call sign will be K5D
- CW DX contest next weekend

### **Education- Scott KØMD**

- Committee chair is recovering
- The Schaeffer club was active in the MN QSO party
- Still working on the club at century

### **Field Day- Dave KØVH**

- Presenting next month
- Looking for ideas for new things to try
- Looking for a small tri-band beam
- Looking for another RV to use
- Taking place June 27<sup>th</sup>- June 28<sup>th</sup>
- Looking for help with setup Friday and Saturday

### **Announcements**

- Grant, KCØJOO, sent a letter responding to an article about how the phrasing of a law needs to be careful to not prohibit all radio use. He has had some feedback to the letter.
- Exam session on Thursday at 6:30 at the American Red Cross building

### **New Business**

- Club retention after classes is low

### **EXPO Committee- Scott- KØMD**

- Interested in doing WØDXCC again
  - Different format
    - Saturday having programs at the UCR campus

- Also having a banquet with raffle and prizes
- No flea market
- Will have a testing session
- HF rig shootout
  - To take place July 18
- Motion to release the fund from last expo, \$3000, to use for this year's was approved

Meeting was adjourned at 8:15

## **Program**

Robert, KØRDA, Talked about the ne APRS MicroTrak systems purchased through the IBM grant. HE showed the components and explained how the system works. He also showed the software needed to program the trackers.

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*Last update: February 25, 2008*



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## Meeting Minutes- March 2009

The March meeting of the Rochester Armature Radio Club was called to order by President Peter, N8MHD, at 7:08 in room SH-120 at the RCTC campus. There were 36 members present

Peter started the meeting with introductions.

The February meeting minutes were approved.

### **Rochester Amateur Radio Club Treasurer's Report: Tuesday, March 10, 2009**

#### **Account Balances:**

Checking:	\$5486.75
Savings:	\$5,689.47
Cash:	<u>\$20.00</u>
Total:	\$11,196.22

#### **Transactions this period:**

Interest:	+\$0.04
IBM United Way:	+\$42.40
2009 dues:	+\$305.00
'82 Repeater:	-\$289.95
EXPO '09:	-\$310.40
Qwest:	-\$16.28

Respectfully submitted,

*Bob*

Bob KCØGND  
RARC Treasurer

**Membership status:** 73 club members paid for 2009

#### **Programs:**

- Tonight Field Day
- Kit build will be held next month
- May will be ATV and the new ATV repeater

#### **Committee Reports:**

**Tech. Committee- Eric KFØS**

- Cans on the .82 repeater were tuned and it have improved the receive on the repeater
- Planning to do the same to the cans on the .625
- Looking to have the cabinet delivered
- .82 repeater was reprogrammed, a new voice is being used at the half hour announcement

#### **MEDCOM- John NØHZN**

- Meeting is scheduled in March

#### **Public Service- John NØHZN**

- May 15, Stay out of the sun run
- May 24, Med City Marathon
- May 30, Diabetes Tour De Cure
- Possible event on May 18

#### **ARES- Bob ABØBW**

- 10 confirmed orders for new vest, looking at getting them from a new location
- Still taking orders for the vests
- ARES patches are available
- Any training ideas talk to Bob, ABØBW
- The ARES badges have the Wrong Frequency, the UHF repeater is listed as 443.835 but is actually 443.850, this was changed on the most recent ones the printed

#### **EOC- Steve WØSTV**

- Skywarn training is March 16 at 6:30 at the Rochester International Event center
- Training is required every other year for storm spotters

#### **DX/Contesting- Scott KØMD**

- Desecno DXpedition has returned, made over 150,000 contacts
- State QSO parties coming up
- Sat. 2<sup>nd</sup> class operators club marathon sprint
- RTTY contest

#### **Education- Bill NØNUV**

- Not much happening at Schaeffer
- Have the required paperwork for the Century club
- There are 2 rigs at Century already
- May sell one rig to get money for the antenna gear

#### **Field Day- Dave KØVH**

- Is the topic for tonight's program

#### **EXPO Committee- Scott- KØMD**

- Has good guest speakers lined up
- Will take place July 18
- KDØAFG will make a facebook event to advertise this
- Website is [www.W0DXCC.com](http://www.W0DXCC.com)

#### **BPL- Mel KCØP**

- **Nothing is happening with BPL**

#### **Announcements**

- Echolink is running on the 146.625 repeater, contact Steve, WØSTV, with any problems you may find with it
- AES ham fest in Milwaukee

### **Old Business**

- No Old Business

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### **New Business**

- Club retention after classes is low
- Ham radio class is coming up
- Looking for someone to be a “greeter” for new hams
- Looking for a weather observer for the Star Tribune
- Possibly webcasting upcoming meetings programs

Meeting was adjourned at 8:00

## **Program**

Dave, KØVH, talked about the goals for field day. The event is going to be held at Pats home location again. They plan on having 2 or 3 stations, VHF+ Digital+ HF, with a separate QRP station. They do not plan on having a GOTA station but having times to shut off the digital and having a trainer with people on a SSB station during those times. They will have Volunteer sign ups at the April and May meetings. Catlin, KDØAFG, will set up an event on facebook for this event.

Respectfully Submitted,

Bryan Borland, KCØWIJ

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*Last update: March 19, 2008*





**ROCHESTER AMATEUR RADIO CLUB, INC.**  
P.O. BOX 1, ROCHESTER, MN 55903

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The April meeting of the Rochester Amateur Radio Club was called to order by President Peter, N8MHD, at 7:08 in room SH-120 at the RCTC campus.

## **Rochester Amateur Radio Club**

### **Treasurer's Report: Tuesday, April 14, 2009**

#### **Account Balances:**

Checking:	\$5095.07
Savings:	\$5,689.51
Cash:	<u>\$20.00</u>
Total:	\$10,804.58

#### **Transactions this period:**

Interest:	+\$0.04
Donations, incl. IBM United Way:	+\$95.00
2009 dues:	+\$450.00
'RPU:	-\$110.00
WØDXCC '09:	-\$810.40
Qwest:	-\$16.28

Respectfully submitted,

Bob

Bob KCØGND  
RARC Treasurer

**Membership Status:** 94 Paid members.

#### Programs:

- Tonight - Expo.
- Speakers from Wabasha at May meeting.\*

#### Committee Reports:

Tech. Committee - Eric KFØS

- Still working on .820 repeater.

MEDCOM – John NØHZN

- Meeting scheduled for March.

Public Service – John NØHZN

- May 15 – Stay Out of the Sun Run.\*

- May 16 – NAMI Walk.\*
- May 24 – Med City Marathon.
- May 30 – Diabetes Tour De Cure.\*
- Possible event May 18.

#### ARES – Bob ABØBW

- Vests distributed; collecting payments. Vests done at ProImage- See them for screen printing and patch embroidery.
- Patches \$3/piece.

#### EOC – Steve WØSTV

- Participating in airport drill this September.

#### DX/Contesting – Scott KØMD

- Desecheo\* (spelling correction).

#### Education – Bill NØNUV

- Not much happening at Schaeffer.
- Century club – Has 2 rigs. Need antenna gear. Doug advisor.

#### Field Day – Dave KØVH\*

- Field Day 3A.\*
- Signups to help at May meeting.
- Have 2 towers and pushup mast.\*
- Need SB commander for separation, CW operators, and help with bonus points.
- Scores for last Field Day available on the website.
- Potential satellite QSO.

#### Expo Committee – Scott KØMD

- W0DXCC.com
- Admittance - \$25, Banquet \$ 25, and Raffle \$10/ticket.
- Need room moderators and help with: Ticket sales, banquet setup, handing out programs, and giving directions to rooms.

#### Announcements:

- License Class April 25<sup>th</sup> and Test Session May 7<sup>th</sup>.
- RARC Facebook group for club and club events is set up. Contact Caitlin KDØAFG for details.

#### Old Business:

- Club retention after classes is low.
- Ham radio class coming up.
- Looking for greeters for new hams.
- Star Tribune looking for weather observer.
- Possible web casting for future meetings.

#### New Business:

- No new business.

#### Program:

KØMD talked about Expo details. Volunteer signups at May meeting.

Meeting adjourned at 8:00 P.M.

\* Corrections.

Respectfully submitted,

Caitlin Robinson KDØAFG on behalf of Bryan Borland KCØWIJ

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*Last update: May 11, 2008*



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## RARC Meeting Minutes – July 2009

The July meeting of the Rochester Amateur Radio Club was called to order by Vice President Robert, KØRDA, at 7:00 in room SH-120 at the RCTC campus. There were approximately 30 members present.

Robert started the meeting with introductions.

There were no minutes from the past two meetings. The secretary was absent again from this meeting. Nothing to approve.

## Rochester Amateur Radio Club

### Treasurer's Report: Tuesday, July 14, 2009

#### Account Balances:

Checking:	\$3,914.10
Savings:	\$5,689.63
Cash:	<u>\$20.00</u>
Total:	\$9,623.73

#### Transactions this period:

Interest:	+\$0.04
DXCC Expense (gambling permit):	-\$100.00
RPU (3Q):	-\$110.00
Qwest:	-\$16.39

Respectfully submitted,

*Bob*

Bob KCØGND  
RARC Treasurer

#### Membership status: 99 club members

Program: Tonight's program is final prep for the WØDXCC conference this weekend.

Committees:

Tech: 82 on low power, working on amp issues

DX/Contest: None upcoming

Education: No one here.

ARES: Nothing new

EOC: New director in place for EOC. New digital radio installed in EM-50. Working on adding ATV equipment to EM-50.

Public Service: August will be the half marathon. Working on a new possible event on Labor Day Weekend.

Old Business:

Field day results were presented. Please see the Field Day page for score. Any ideas/suggestions/changes/recommendations should be sent to Dave KØVH for next year's event. A big THANK YOU to all involved!

New Business:

WØDXCC convention is this weekend. The program tonight will finalize details and help needed.

August Picnic – No one has volunteered to head this up. A decision will be made soon as to what form the August meeting will be in – picnic, traditional meeting, or none.

A motion was made and seconded to purchase a \$100 gift certificate to the restaurant of Pat's WØBM wife for allowing us to host field day at their location. The motion was approved – Bob KCØGND will take care of this.

Meeting was adjourned at 7:27.

Respectfully submitted, Robert Andrews, KØRDA

Program: The program covered the volunteer needs for the WØDXCC event. Please come one and all!

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*Last update: July 21, 2008*



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## RARC Meeting Minutes – September 2009

### August Picnic

-good turnout

### July 2009 minutes

-Posted on the web

-Moved and Approved

## Rochester Amateur Radio Club

### Treasurer's Report: Tuesday, Sept 14, 2009 (2 months)

#### Account Balances:

Checking:	\$7,499.12
Savings:	\$5,689.71
Cash:	<u>\$20.00</u>
Total:	\$13,208.83

#### Transactions this period:

Interest:	+\$0.08
2009 Dues:	+\$40.00
Donations:	+\$88.24
DXCC income:	+\$6,790.02
DXCC expense:	-\$2,292.80
Field Day:	-\$352.29
'.82 repair:	-\$300.00
Liability Insurance:	-\$320.00
Office Supplies:	-\$35.20
Qwest:	-\$32.95

Respectfully submitted,

*Bob*

Bob KCØGND

## RARC Treasurer

### **Membership status:** 100 club members

DXCC income and expense still being worked through by treasure due to some discrepancies and awaiting some expenditures

DXCC very good reports from attendees

### **Tech Committee:**

-Digipeater went down during tandem rally.... After disconnect and reconnect works fine, no significant problems found, possible short

-All other repeaters in working order

-generator sent in for recall and returned and in good working order, used at the Tandem Bike rally

### **Public Service:**

-Good year for public service event

-thanks to all for the 2 day biking event

-Number of ham operators in the event from other areas

-discussion of having information about the event with the operators as they are often sought out for

### **EOC**

-Airport Drill

-Sheets handed out for all Airport stationed operators

-Hospital Ops on 625 rptr

-Airport Ops on 255

-2 net controls at airport

-Shadows

-Note handouts for rptrs and simplex frequencies

-Have plenty of batteries

-Have badges and keep your assigned badges for security purposes at the airport.

-Be aware of all net control stations.

-Check in on Sunday net for last bit information for the Airport drill of contact Steve W. w0stv

-Sunday Night nets – going to use echolink with the net, if begins to interfere it will be shut down so stay on frequency

-Discussed Alternate site for Field day, will do a presentation in the future

-Ironwood Christian Ranch

-NWS Lacrosse open house 2-7 Thursday

## **DX and Contesting**

- DX running good
- Europe Field Day and Asian DX over the Labor Day Weekend
- Many contest through November
- MN QSO Party operating mobile
- National Wildlife Refuge operations
- Afternoons 1-4 good DXing time
- FISTS Get Your Feet Wet coming up this weekend

## **Education**

- CW class
- See Peter for class instructions and materials
- Study group will meet start in near future
- Discussed possible informal meeting
- Some school activity

## **ARES**

- Possible Rushford Drill in the plannings for October

## **New Business**

- Look into changing meeting room to old location
- Program next Month College For Kids rap up
- Discussion of Net Control list for the 10 meter nets

Submitted by Rodney, kd0ebt

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*Last update: October 3, 2008*





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## RARC Meeting Minutes – October 2009

Introductions

Approval of minutes

### Rochester Amateur Radio Club

#### Treasurer's Report: Tuesday, Oct 13, 2009

##### Account Balances:

Checking:	\$3,232.44
Savings:	\$5,689.75
Cash:	<u>\$20.00</u>
Total:	\$8,942.19

##### Transactions this period:

Interest:	+\$0.04
2009 Dues:	+\$25.00
2010 Dues:	+\$100.00
IBM United Way:	+\$10.00
Insurance Refund:	+\$86.78
DXCC income:	+\$500.00
DXCC expense:	-\$4644.58
'82 repair:	-\$110.00
Fire-Theft Insurance:	-\$237.00
RPU (4Q):	-\$110.00
Qwest:	-\$16.61

Respectfully submitted,

*Bob*

Bob KCØGND  
RARC Treasurer

**Membership status:** 103 club members

VP report- Nov. presentation Folded Beam Antennas

Tech Committee:

-nØhzn currently has the club generator

-repeaters are functioning normally

Public Service:

-done for the season

-Next event is the Frozen Goose run in Feb. 2010

ARES:

-Sunday Night Net

-New SEC

-need reports from the nets including check in number

-SET Rushford set up two digital stations.

-Look into which weekends in later October could work.

EOC/Medcomm:

-Lesson from Airport Drill ...Keep it simple and expand out as needed.

-Steve wØstv will do a write-up and submit it to the RARC website.

Old Business:

-Still looking for May minutes

New Business:

-Nominating Committee

NØhzn, wØstv, kcØfow

-Cosponsorship proposal aØim

RCTC and WSU Students are given honorary membership, moved, seconded and approved

-Education Committee proposal coordinate all education activities.

KdØebt, kØvh, kØrgr, n8mhd and others interested

-Check into check out rate of current Ham Radio books at the Library

-440 rptr power is weak.

Discuss repair vs. replacement with the possibilities of expansion (D-STAR) 70cm

Discuss with kcØfow about future presentation about D-STAR

Presentation: College for Kids

Submitted by Rodney, kdØebt

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*Last update: October 15, 2008*



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## **RARC November 2009 Minutes**

November 10, 2009

Introductions

Discussion of Approval of October 2009 Minutes:

-Readdress motion for honorary student membership

-Motion to remove “honorary membership” vote from October 2009 minutes due to approval of a non-clarified RARC membership status and approve October minutes minus “honorary membership” rule pending officer clarification. Passed

## **Rochester Amateur Radio Club**

### **Treasurer's Report: Tuesday, Nov 10, 2009**

#### **Account Balances:**

Checking:	\$3,126.11
Savings:	\$5,689.79
Cash:	<u>\$20.00</u>
Total:	\$8,835.90

#### **Transactions this period:**

Interest:	+\$0.04
Fire-Theft Insurance:	-\$85.00
Qwest:	-\$16.33

Respectfully submitted,

*Bob*

Bob KCØGND  
RARC Treasurer

**Membership status:** 103 club members

Vice President Report:

- position open for 2010
- talk to Rob KØRDA for information about this position

Tech Committee:

- looking for cabinet to '82 repeater
- need put in request for surplus cabinets.
- 70 cm repeater has scarce use.

Public Service:

- nothing to report

ARES:

- Minnesota City SET
- Digital HF
- Crossband Repeated from hill overlooking M.C.

EOC:

- Red Cross radio failed, EOC donated surplus radio

DX:

- Field Day Club results 9<sup>th</sup> in the nation, 1<sup>st</sup> in the 0 class, 3<sup>rd</sup> in the Dakota Division
- QRP 7<sup>th</sup> in the nation, 1<sup>st</sup> in Dakota Division
- Thanks to Grant K1KD for organization and layout
- Multiple Contests going on in near future

Education Committee:

Move to approve and passed \$150.00 to spend on books to donate to the library.

**Library Donations**

Discussed the circulation of donated books at the Rochester Public library.  
Criteria for selection, high circulation, recent circulation, valuable information to all hams.  
It was found that the following titles are the highest in circulation.

The ARRL Operating Manual 7th Ed. 33 circulations (recommend update to 9th Edition \$29.95)

The ARRL RFI book 1st Ed 23 circulations (recommend update to 2nd Edition \$29.95)  
The ARRL Antenna Handbook 19th Ed. 46 circulations  
17th Ed. 62 circulations  
16th Ed. 54 circulations (recommend update to 21st Edition \$44.95)  
The ARRL Extra Class Man. 8th Ed. 20 circulations (recommend update to 9th Edition \$24.95)  
The ARRL General Class 4th Ed (Recommend update this manual when new edition comes out in 2011)  
The ARRL Handbook for Radio 83rd, 84th, 86th ed. 11-13 circulations each (Recommend update to 2010 ed \$49.95).

There were many other books with various rates of circulation.

The committee also suggest the following titles to be added to round out the library.

ARRL's Low Power Communication 3rd Ed \$19.95  
ON4UN's Low Band DXing \$39.95

\$239.65 (not including tax and shipping) add to it \$24.95 (approx.) for General Class updated Edition in 2011.

### Youth Education

-Focus on establishing connections with local scouting troops in conjunction with merit badges.  
(I have a note here about Lou Behrensbut I cannot remember why?)

-Reestablishing connections with local school clubs  
some discussion that as kids are getting older (Jr. and Sr. High School that many begin to lose interest or have interests elsewhere)  
recommend having a rep. from RCTC and RPS on the education committee (volunteers, ideas?)

### Non-ham education and Ham continuing education

Need and cost for future hams classes. New manual paper vs. Online or Downloadable manual.

What should the focus of the class be "Take the Test" or "Projects and hands-on opportunities for New Hams (Tech. Level)

What about General Level and Extra level??

Develop online coursework for hams or potential hams

-Some of this already exists.

Continuing Educational opportunities for licensed hams

- 4 hour exposure classes offered three times a year. Examples would be a code class, digital class, antenna building class, etc etc.
- Each 4 hour class could be previewed in our presentation offerings at our regular club meetings.
- Classes not to be an extensive immersion/proficiency but offer hands on and basics that hams should know.

Pros: Increased proficiency and knowledge base during drills and public service events, broaden horizons of hams in all levels

Cons: Potential for lack of interest and attendance

Nomination Committee:

Openings for Secretary and Vice-President

Talk to members of the nominating committee if interested (see October 2009 minutes).

Rob KØRDA will make reservation for Christmas party

Old Business:

WØDXCC: Conference was a success.

New Business:

VE Test this Thursday November 12<sup>th</sup>

NWS is looking for River Level Observation Volunteers for Oxbow area.

Proposal for Winter Club Event: Mobile APRS Foxhunt .625 repeater

Presentation: Peter Moxon Rectangle, Hexbeam, and SpiderBeam antennas

Submitted by Rodney, KDØEBT

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*Last update: November 11, 2008*



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## RARC Meeting Minutes – December 2009

December 2009 RARC Meeting 12/8/09 at 7:00 p.m.

November 2009 Minutes moved and seconded for approval. Minutes accepted.

### Rochester Amateur Radio Club

#### Treasurer's Report: Tuesday, Dec 8, 2009

##### Account Balances:

Checking:	\$3,282.04
Savings:	\$5,689.83
Cash:	<u>\$20.00</u>
Total:	\$8,991.87

##### Transactions this period:

Interest:	+\$0.04
2010 Dues:	+\$100.00
United Way (IBM+Mayo):	+\$72.75
WØMXW-1 Tower Lease (5 yr):	-\$5.00
Qwest:	-\$16.57

Respectfully submitted,

*Bob*

Bob KCØGND  
RARC Treasurer

**Membership status:** 103 club members (11 paid thru 2010)



New Club Officers Nominations John NØHZN Moved and Robert KØRDA Seconded

Peter N8MHD President

Grant K1KD Vice President

Rodney KDØEBT Secretary

Bob KCØGND Treasurer

All officers were unanimously elected.

Address issue of honorary membership vs. student membership.

-Robert KØRDA Vice President Proposed and Tom KØWQR seconded to have a

1. reduced Student Membership dues at \$5 which is a change from the current fee schedule
2. remove the age limit
3. Remove the full time status.

This change will be proposed now and voted on at the January 2010 RARC club meeting.

Submitted by Rodney, KDØEBT

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*Last update: December 15, 2008*



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## RARC Meeting Minutes – January 2008

The January meeting of the Rochester Amateur Radio Club was called to order by President KariAnn Wiles, KCØWIP, at 7:02 p.m., January 8<sup>th</sup>, 2008. at the American Red Cross. There were approximately 37 members present.

KariAnn began the round the room introductions.

### Treasurer's Report: Tuesday, January 8, 2008

Checking	\$1326.12
Savings	\$1485.74
CD @ 3.39% (note 1)	\$4244.21
Cash	\$20.00
-----	
<b>Total</b>	<b>\$7076.07</b>

### Transactions this period:

2008 Dues	+\$170.00
Donations	+\$36.60
Interest	+\$0.01
Qwest	-\$16.30
RPU (1Q08)	-\$80.00

Notes: 1 - CD is repeater reserve funds

**Membership status:** 112 club members (33 paid for 2008)

The RARC 2007 Financial Statement can be found [here](#).

Submitted by RARC Treasurer, Bob Hart, KCØGND.

### • Programs – Stan KDØBQ

- In February, Charlie Pederson will present tax implications while volunteering for amateur radio
- In an upcoming meeting, Jay Bellows will present the ARRL events
- In March, Scott Wright will give a presentation on vertical dipoles, and more on DXing

## Meeting Minutes:

The December 2007 meeting minutes were approved.

## Committee reports:

- **Public Service** – Steve WØSTV for John NØHZN
  - Frozen Goose Event coming up February 2. See John NØHZN if you would like to help.
  - More public server event information will be on the web site soon.
- **ARES** – Bob ABØBW
  - Bob has more ARES badges to pass out. We don't need new badges for 2008.
  - Bob is generating the new Sunday ARES net control operator schedule for 2008. See Bob if you would like to be a net control operator.
- **EOC** – Steve WØSTV
  - No information yet on SKYWARN training dates for 2008.
  - The EOC is finishing the process of hooking up equipment. Will have two multi-mode stations and SSTV available.
  - Jon Turk will be the city emergency coordinator.
  - The EOC should have everything fully operational in the next couple of months.
- **Technical committee** – Rob KCØFOW
  - Did not meet this month.

## New Business:

- Bill NØNUV reported that the Schaeffer school station would be operating Wednesday, Thursday and Friday between 11:00 to 2:30PM HF on 20 Meters. The school call sign is till KDØBZG, but will soon be WØSAA.
- Stan KDØBQ proposed that club members all have non-ARES name badges for events. We could have different color badges for different license classifications. Stan also proposed a photo directory of the club that would be available on the club web site.
- Carl KØYIH passed around a sample name badge that he makes. He offered to make name badges for club members at a cost of \$6. The badges can be magnetic, or clip on, and have name, call sign, and whatever else you would like. He passed a sign up sheet around for those that were interested.
- KariAnn KCØWIP mentioned asked if there was any interest in forming a committee to review the club bylaws. Bob KCØGND and Dave KCØUCN will be reviewing to bylaws, If anyone else is interested, please contact Bob or Dave.
- The meeting took a 10 minute recess from 7:25 to 7:35 p.m. and then resumed.
- Stan KDØBQ, Scott KØMD, and KariAnn KCØWIP then presented the proposal for the club to host the Midwest Summer HamConvention WØDX Convention for HF and VHF and WØ Contest Central with Forums to be held in Rochester at the University Center August 8 - 10, 2008. A PowerPoint presentation was shown that outlined the convention's features, presenters, forums and workshops, and a list of exhibitors. The convention co-chairs are KariAnn, Stan, and Scott. They will be recruiting help from the club as well. The convention financial considerations and attendance projections were also presented. The club members also saw a presentation from Donna and Tracy

from the Rochester Convention and Visitors Bureau. After the presentations there were several comments and questions. A motion was then made for the club to fully support the Midwest Summer HamConvention as long as it has non-profit organization status. The motion passed.

- Don KCØQGB metioned that the new sun spot cycle has officially started.

The meeting was then adjourned at 8:55 p.m.

Respectfully submitted, Daryl Mowrer, ACØID

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*Last update: February 17, 2008*



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## RARC Meeting Minutes – February 2008

The February meeting of the Rochester Amateur Radio Club was called to order by President KariAnn Wiles, KCØWIP, at 7:02 p.m., February 12<sup>th</sup>, 2008. at the American Red Cross. There were approximately 28 members present.

KariAnn began the round the room introductions.

### Treasurer's Report: Tuesday, February 12, 2008

Checking	\$1946.46
Savings	\$1485.75
CD @ 3.39% (note 1)	\$4244.21
Cash	\$20.00
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<b>Total</b>	<b>\$7696.42</b>

### Transactions this period:

2008 Dues	+\$575.00
2009 Dues	+\$25.00
Donations	+\$36.60
Interest	+\$0.01
Qwest	-\$16.26

Notes: 1 - CD is repeater reserve funds

**Membership status:** 118 club members (60 paid for 2008)

Submitted by RARC Treasurer, Bob Hart, KCØGND.

### Meeting Minutes:

The January 2008 meeting minutes were approved.

### Committee reports:

- **Technical committee** – Rob KCØFOW
  - Did not meet this month. Monthly meetings will resume in March. See the event calendar for more information.
  - Bob ABØBW and Robert KØRDA reported that there are problems with Echolink. They suspect that the problems may be caused by antenna problems at KØRGR's residence. Rob will investigate.
- **Public Service** – John NØHZN
  - Frozen Goose Event was February 2.
  - There is a new event May 16th called the SOS (Stay Out of the Sun) Run. It is a Friday night event, starting at 4:00 pm, or 5:00 pm, and it will last roughly 1 to 2 hours. We still need a volunteer to coordinate the event. See John NØHZN if you would like to help.
  - The Med-City Marathon will be held May 25th.
  - There may be a new event for RochesterFest this year. More to come later.
  - No word yet on the Centurion.
  - The Rochester Half-Marathon will be held in August.
  - More public service event information will be on the event calendar soon.
- **Programs** – Stan KDØBQ
  - This meeting Charlie Pederson will present tax implications while volunteering for amateur radio
  - Next month Jay Bellows will present ARRL events
  - In March, Scott Wright will give a presentation on 4 square, vertical dipoles, and more on DXing
- **ARES** – Bob ABØBW
  - Bob has more ARES badges to pass out.
- **EOC** – Steve WØSTV
  - There will be a separate EOC for the city of Rochester headed up by Jon Turk.
  - The Olmsted County EOC will still be located out at the airport and will be responsible for county-wide emergencies.
  - Rob KCØFOW will most likely be the new Rochester city EOC ham radio resource. Steve WØSTV will continue to work with the county EOC.
- **Contests** – Stew WØSHL
  - No contest report from Stew.
  - Bill NØNUV reported that the Schaeffer Academy school was participating in the ARRL School Roundup contest held during the week.
- **Field Day** – KariAnn KCØWIP
  - We are setting up a Field Day task force, If you are interested in being involved in planning this year's Field Day activities, please contact KariAnn.
- **Education** – KariAnn KCØWIP
  - We are looking for more members to help with school station setup and education. If you are interested in helping setup school stations in or around Rochester, please contact KariAnn.

## Old Business:

- Stan KDØBQ reported that Bob KCØGND had placed some member's pictures on the web site as discussed during the last month's meeting. See the members page. The pictures are a really nice addition to the web site, but we need more pictures. If you have a picture you would like to have posted, send it to Bob KCØGND. Also let Bob know if you do not wish to have your picture placed on the web site.

- There is a group of club members currently reviewing and updating the club bylaws to make them more current. If you would like to contribute to updating the bylaws, please contact Bob KCØGND or KariAnn KCØWIP.

### **New Business:**

- Bobby KCØNXB talked about the Science Fair that was held at Schaeffer Academy. He mentioned that there were some 9th graders interested in Electrical Engineering that also may be interested in joining the school radio club. Bobby also shared the project that he had entered into the Science Fair. The project was a UV sensor that he had built and experimented with. He received a 1st place ribbon for the project.
- The Technician class that KØRGR is holding on April 26th is now listed on the Community Education system web site.
- This year's Olmsted County SKYWARN Severe Weather Spotter Training session is being held at 6:30 pm, Wednesday March 19th at the Rochester International Event Center.
- Pat NØADQ asked whether we would like to move the VE license exam session currently scheduled for June 12th up to be closer to when the Technician class is being held. If so, there is work that would have to be done to accomidate that. KariAnn KCØWIP agreed that we should reschedule the June 12th VE license exam session so that it takes place shortly after the April Technician class.

The business meeting was adjourned at 7:27 p.m.

Respectfully submitted, Daryl Mowrer, ACØID

### **Program:**

Just in time for tax season, club memeber Charlie Pederson, WØTAX, presented what some of the possible charitble deductions are relating to voluteering your time in amateur radio.

Following Charlie's presentation, Stan KDØBQ, and KariAnn KCØWIP discussed the current status of the Rochester Amateur Radio Expo, and walked everyone through the information contained on the RARExpo web site.

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*Last update: February 17, 2008*



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## RARC Meeting Minutes – March 2008

The March meeting of the Rochester Amateur Radio Club was called to order by President KariAnn Wiles, KCØWIP, at 7:02 p.m., March 11<sup>th</sup>, 2008. at the American Red Cross. There were 40 members present.

KariAnn began the round the room introductions.

Stan KDØBQ announced that the program would be provided by Scott KØMD and Jay Bellows KØQB. Scott was there to present on his DXpedition in the Caribbean, and Jay Bellows was there to talk about the RARExpo Dakota Division Convention and how he and the ARRL can help.

### Treasurer's Report: Tuesday, March 11, 2008

Checking	\$2038.60
Savings	\$1485.76
CD @ 3.39% (note 1)	\$4354.41
Cash	\$20.00
-----	
<b>Total</b>	<b>\$7898.77</b>

### Transactions this period:

2008 Dues	+\$150.00
2009-11 Dues	+\$75.00
Donations	+\$32.40
Interest	+\$110.21
Qwest	-\$16.26
Web Server	-\$149.00

Notes: 1 - CD is repeater reserve funds

### IRS Form 990-N (e-Postcard) filed March 11, 2008

**Membership status:** 118 club members (66 paid for 2008)

Submitted by RARC Treasurer, Bob Hart, KCØGND.



## Meeting Minutes:

RARC Secretary, Daryl ACØID, presented the old and new business from the February 2008 meeting minutes.

- A suggestion was made in regards to the upcoming SKYWARN training session being held on March 19th. Someone recommended that the club should have a booth setup to recruit potential new ham radio operators as we have had in years past. Bill KØRGR said that someone will take care of putting up a display at the spotter training session.

The February 2008 meeting minutes were approved.

## Committee reports:

### • Technical committee – Rob KCØFOW

- Repeater maintenance on the 82 repeater is planned for sometime in April.
- Planning to perform repeater maintenance on the 625 repeater later in the year.
- The 440 UHF repeater will be evaluated in the near future by Dave KCØUCN.
- John NØHZN has the service monitor. Dave KCØUCN will recalibrate it.
- Rob KCØFOW will be taking inventory of the club equipment stored at Pat NØADQ's farm.
- The Technical Committee needs to evaluate the tower trailers and determine if they are in good working condition or if they might need to be salvaged or replaced.
- The generator needs to be tested when the temperatures are consistently warmer.
- The Technical Committee is planning to perform some testing of APRS communications out of the Rushford area later this year in conjunction with the ARES drills that are being planned.

### • ARES – Bob ABØBW

- Bob has more ARES badges to pass out. The current badges are good through the end of 2008.
- The 2008 ARES NCS schedule will be posted on the web site by the end of the week.
- We would like to do some drills later this year to test our communications capabilities in the Rushford area. We would like to see if we can use HF, possibly 80 meters, to communicate with the Red Cross in Rochester from the Rushford area.
- We still need to come up with a solution for communicating health and welfare reports during emergencies.

### • EOC – Steve WØSTV

- Jon Turk is taking over the documentation responsibilities for the emergency preparedness plan for Rochester.
- Deputy Mike Bromberg has taken over Jon Turk's position at the County EOC. Mike is also taking the Technician class to become a ham radio operator.

### • Education – Bill NØNUV

- Schaeffer Academy station is coming along good. Bill, Bobby KCØNXB, and a couple of other students have been using the equipment at the school and have recently made a few contacts.
- Scott KØMD picked up the borrowed radio from Schaeffer to return it to Pat NØADQ.
- No activity planned at the Schaeffer school station this week since Bobby is up at the state capital being a page.
- Trying to get the Century school station started. Several club members are meeting Friday March 14th at Century to assess the site there.
- Also have contacted the principal at Lincoln at Mann choice school about joining our group.
- Scott KØMD reported that they are trying to get a project going at Schaeffer where interested students can purchase a kit radio. Niel WØVLZ has helped with ideas for that project.
- Scott also plans to do a parent/child education program on how to get your ham radio license at

Schaeffer later this spring, perhaps in April.

- Bob KCØGND asked that we obtain a document of understanding with Schaeffer, and any other schools that have stations sponsored by RARC, and he will hold that document for the club.
- **Field Day** – Dave KØVH
  - KariAnn announced that Dave KØVH would be taking the lead on the Field Day committee.
  - Scott KØMD mentioned that he and Pat NØADQ had already done a fair amount of planning for the event, which they had planned to hold at Pat's farm again.
  - Dave asked that club members communicate ideas and comments to him before the April club meeting. The sooner the better so that he can get plans in place.
  - Dave will come back at the April club meeting with a Field Day plan presentation, and the club will vote on where it should be held this year.
- **RARExpo** – Stan KDØBQ
  - There has been a "walk through" with the food service and a good menu has been planned.
  - There are still concerns about classroom space.
  - Our biggest concern remaining is the vendors. We currently have approximately 12 vendors committed, but would like to have closer to twenty for the space we have.
  - Dave KCØUCN is investigating the possibility of vendors getting a 3 day temporary tax permit for the expo. This would help bring in more out of state vendors that are concerned about the state sales tax requirements.
  - If anyone has connections to any vendors, please communicate the need to have them attend the RARExpo. If they can't attend then ask them to donate prizes, or gift certificates for prizes. **We need more vendor involvement.**
  - Charlie WØTAX and Jay Bellows are helping with the 501(c)(3) application.
- **DX and Contests** – Stew WØSHL
  - Just had the ARRL SSB DX contest.
  - Currently have the 2008 Clipperton DXpedition. They want 100000 contacts.
  - Two weeks ago we had Goose Island. The 15 operators running 8 hour shifts made 183686 contacts on 160 - 6 meters. That's a record for any DXpedition so far.
  - St. Bart in the Caribbean is coming online shortly
  - 10 meters is opening up nicely now.
  - CQ Worldwide is the end of March
- **Public Service** – John NØHZN
  - Had the Frozen Goose Event February 2.
  - The Med-City Marathon will be held May 25th. Eric KFØS is running it. It is the largest event the club does so Eric is looking for lots of people to help.
  - The following week is the Diabetes Tour de Cure.
  - The Rochestefest Parade is held the day before Field Day. Steve WØSTV is heading up that event.
  - There is a new triathlon event for RochesterFest this year too. More to come later.
  - There is a new event May 16th called the SOS (Stay Out of the Sun) Run. It is a Friday night event, starting at 4:00 pm, or 5:00 pm, and it will last roughly 1 to 2 hours. We still need a volunteer to coordinate the event. See John NØHZN if you would like to help.
  - More public service event information will be on the event calendar soon.

## Old Business:

- There is a group of club members headed up by KCØGND currently reviewing and updating the club bylaws to make them more current. Nothing is happening currently on that front. One thing being considered is proxy voting for the annual club elections. The bylaws should be updated before the end of the year.

## **New Business:**

- Bob ABØBW talked about his interest in IRLP (Internet Radio Linking Project). It is only available on Linux, and is radio to radio. Bob may be using the 440 repeater later this year to experiment with it. He is also looking for funding for any equipment that may be needed.
- Stan KDØBQ handed out flyers containing information on the proposed new club meeting location at the RCTC campus. Stan has booked two rooms for us to consider.
  - SH210 - seats 108 people. Located on the 2nd floor near the elevator
  - EH109 - seats 50 people. Located on the 1st floor near the door at the west lotBoth rooms are "smart rooms". Plenty of parking is available in the evenings. KariAnn proposed that the club meet at the college for the April club meeting as a trial. The club will then vote on whether we should continue to use the college location for club meetings. VE exam sessions and classes will continue to be held at the Red Cross. A motion to hold the April club meeting at the college was approved. Signs will be posted at the college and at the Red Cross.
- Dave KCØUCN announced that his store, The Spy Shop Direct located in the Soldier's Field Plaza, is now affiliated with Radio City. He offers a wide variety of ham equipment and accessories and also provides ham equipment service. Dave passed out flyers and business cards at the meeting as well.

The business meeting was adjourned at 8:05 p.m.

Respectfully submitted, Daryl Mowrer, ACØID

## **Program:**

Jay Bellows (KØQB) talked about the RARExpo and Dakota Division Convention and how he and the ARRL can help us with that event. He thanked the club for taking on the challenge of holding such a large convention, expo, and hamfest. He also offered suggestions for the event, and offered to lend his services to help where ever he could.

Following Jay's presentation, Scott KØMD gave a delightful presentation on his recent DXpedition in the Caribbean. Scott's presentation, as always, was very interesting and informative, as well as very fun to watch. What a wonderful break from our Minnesota winter that must have been. Thank you Scott for sharing your experiences with us!

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*Last update: March 23, 2008*



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## RARC Meeting Minutes – April 2008

The April meeting of the Rochester Amateur Radio Club was called to order by President KariAnn Wiles, KCØWIP, at 7:04 p.m., April 8<sup>th</sup>, 2008. at the RCTC Campus. There were 37 members and guests present.

KariAnn began the round the room introductions.

### Meeting Minutes:

RARC Secretary, Daryl ACØID, presented the old and new business from the March 2008 meeting minutes.

- A correction of the March meeting minutes was required in regards to the new meeting location. The minutes had stated that one of the April meeting locations would be room EH 109 at the RCTC campus near the east parking lot. It should have read room EH 109 near the west parking lot.

The March 2008 meeting minutes were approved with the correction.

### Treasurer's Report: Tuesday, April 8, 2008

Checking	\$2504.74
Savings	\$1485.77
CD @ 3.39% (note 1)	\$4354.41
Cash	\$20.00
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<b>Total</b>	<b>\$8364.92</b>

### Transactions this period:

2008 Dues	+\$505.00
Donations	+\$57.40
Interest	+\$0.01
Qwest	-\$16.26
RPU(2Q08)	-\$80.00

Notes: 1 - CD is repeater reserve funds

**Membership status:** 90 club members

Submitted by RARC Treasurer, Bob Hart, KCØGND.

**Committee reports:**

- **Education** – Bill NØNUV
  - Looking at setting up digital modes at the school stations with the help of Bob ABØBW.
  - Rob KCØFOW inspected the proposed school station location at Century High School and determined that it should be possible to setup a station there. Rob will present a report to the Education Committee next month on his finding and suggestions.
  - KariAnn KCØWIP and Doug KDØUGB are trying to find a rack or cabinet to secure the equipment in at Century.
  
- **Public Service** – John NØHZN
  - The Med-City Marathon will be held Sunday May 25th. Eric KFØS is running the event and will have a sign-up sheet for volunteers at the next club meeting. It is the largest event the club does so Eric is looking for lots of people to help. It is an all day event, but you can work as long as you wish at the event.
  - More public service event information will be on the event calendar soon.
  
- **ARES** – Bob ABØBW
  - Bob has a few more ARES badges to pass out. The current badges are good through the end of 2008.
  - We need to do some drills in the near future to test our communications capabilities in the Rushford area.
  
- **Med ARES** – John NØHZN
  - Sent an email to those on the contact list to verify contact information. Did not get many responses back yet. If you are on the Med ARES team, please get your updated contact information to John.
  - After receiving the contact information requested, a meeting will be held, possibly later in April.
  
- **EOC** – Steve WØSTV
  - Finishing up setup of HF and ATV.
  - Will be placing a group order for SKYWARN magnetic signs. There is a \$10 and a \$15 version of the sign. See Steve if you would like a sign for your storm spotting vehicle.
  - The EOC would like all storm spotters to provide their driver license number, insurance policy number, and plate numbers for all vehicles used in storm spotting. If you are a SKYWARN storm spotter, please get that information to Steve as soon as possible.
  
- **Technical committee** – Rob KCØFOW
  - Some technical committee members did some maintenance work on the 82 repeater. A battery was replaced, and connectors were reseated. They found that the power output was very low. Some work is now being done to the amp by Dave KCØUCN.
  - John NØHZN has determined that the tower trailers need to be replaced. Stew WØSHL did some pricing and determined that a new tower would be roughly \$700. The Technical Committee is also recommending that the club try to obtain 2 trailers, one of which should be enclosed so that it can be operated out of.
  
- **DX and Contests** – Stew WØSHL
  - The 2008 Clipperton DXpedition was a success. Scott KØMD announced that the Clipperton group will be presenting at the club meeting in August after the RARExpo.
  
- **Field Day** – Dave KØVH

- The Field Day committee report is covered under the New Business category this month.
- **RARExpo** – RARExpo Committee Chairs
  - The RARExpo committee report is covered under the New Business category this month.

### Old Business:

- There is a group of club members headed up by KCØGND currently reviewing and updating the club bylaws to make them more current. Nothing much is happening currently on that front. The group has drawn up a proposal for providing proxy voting for things such as the annual club elections. For a preview, see the club web site link <http://www.rarchams.org/bylaws-beta.htm>. There will be a motion at the next club meeting concerning the new bylaws. KariAnn KCØWIP also asked Robert KØRDA and Daryl ACØID to investigate online balloting for proxy voting by the next club meeting.
- Pat NØADQ is currently investigating the options of providing a VE exam session soon after the April 26th Technician class.
- Bob ABØBW gave an IRLP (Internet Radio Linking Project) update. Bob's setup is almost complete, but there are technical difficulties getting the sound card to talk to the radio. Bob offered to give a digital/IRLP presentation as the program for the next club meeting.

### New Business:

- Dave KØVH presented the findings of the Field Day committee's investigation of what should be done at Field Day, and where it should be held. Dave mentioned that Scott KØMD and Pat NØADQ had been working on Field Day planning for the past few months. The committee was now in charge of presenting options to the club for a vote. Dave also mentioned that we need to publicize Field Day better. We need to get the word out to the media before the event happens to make the public better aware of what we do.

The options that were presented for the 2008 Field Day event were:

- A. 4A station at Pat's farm
- B. 2A station at Century
- C. RCTC as an alternative
- D. GOTA in A or B.

Peter N8MHD also presented the option of providing an emphasis on education as well as on contesting. It was thought that we could educate new hams and at the same time provide a 5A station.

A motion to go with option A with a 4A or 5A station was presented. Ballots were distributed to club members to vote on a location. After an 8 minute break, the ballot count was announced. The Kasson location at Pat's farm was chosen "27 or 28 to 5". The motion passed to have Field Day at Pat's farm.

Dave KØVH passed a sign-up sheet around for people to choose what activities they would like to be involved with during Field Day.

Some interest in getting an optimal call sign for Field Day was voiced. A motion was passed that the Field Day committee decide whether the club should obtain a call sign for Field Day by next club meeting.

- Stew WØSHL asked if anyone had the ground wire trencher that belongs to Curt Preuss. If you know where it is please contact Stew. Stew also announced that he will be putting the various equipment belonging to Curt Preuss on the consignment sheet to sell at The Spy Shop Direct.

Stew WØSHL asked that the Technical committee investigate whether we really need to provide the auto-patch function on the 82 repeater any longer since most people have cell phones now. It was decided that since we still need the phone line to the repeater for control purposes, we essentially get the auto-patch function for free so we might as well keep it. There was no further discussion needed on the topic.

- The RARExpo committee chairs gave a brief update on the expo.

Stan KDØBQ addressed the cost of the expo. He reported on several steps that had been taken to help reduce the costs. Those included the college agreeing to co-sponsor the event, and moving the hamfest from the arena to the 15000 sq. ft. performance court space. That drove our costs way down since we no longer are required to pay for the space used. Even more cost savings have been achieved by moving the banquets to the college cafeteria.

Scott KØMD presented the program for the WØDXCC convention part of the expo. He went over the speakers that are attending and the presentations that they plan to give. He also described the numerous workshops that will be held by Yaesu, ICom, and many others on a wide variety of topics.

John NØHZN presented the latest news on the hamfest part of the expo. He asked that anyone that has contacts with vendors to please get that contact information to him so he can go after them to get them to attend the hamfest. He also talked about the hamfest logistics and setup. John also asked that anyone attending area hamfests or swap meets to please pass the word around about the RARExpo. He has some handouts that you can take to distribute at those locations so talk to him before you go.

KariAnn KCØWIP presented what is new on the Dakota Division portion of the expo. Jay Bellows and other ARRL people will be presenting. There will be more on that on the web site at a later date. Bob ABØBW will be putting the ARES portion of the program together. There are also some public service demos planned with the EM50. KariAnn's main goal is to make this portion of the expo interesting and appealing to the non-ham portion of the public.

- KariAnn KCØWIP announced that club meetings will continue to be held at the RCTC campus location in room EH 109.

The business meeting was adjourned at 8:46 p.m.

Respectfully submitted, Daryl Mowrer, ACØID

### **Program:**

Stan KDØBQ gave a tour of the RCTC campus facilities. He showed us room SH 210 in Singley Hall which is a larger room that we could have the club meetings in if needed. He then showed us some of the class room space that will be used during the RARExpo. We were also directed to the large space that will be used by the vendors during the hamfest portion of the expo. The facilities at the RCTC campus are very impressive.

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## RARC Meeting Minutes – May 2008

The May meeting of the Rochester Amateur Radio Club was called to order by Vice President Stan Cram, KDØBQ, at 7:00 p.m., May 13th, 2008. at the RCTC Campus.

Stan began the round-the-room introductions. Two people who passed the test recently but had not yet received their licenses were present.

### Meeting Minutes:

The April 2008 meeting minutes were approved

### Treasurer's Report: Tuesday, May 13, 2008

Checking	\$2595.81
Savings	\$1485.78
CD @ 2.75% (note 1)	\$4354.41
Cash	\$20.00
-----	
<b>Total</b>	<b>\$8456.00</b>

### Transactions this period:

2008 Dues	+\$75.00
Interest	+\$0.01
Qwest	-\$16.33

Notes: 1 - CD is repeater reserve funds

**Membership status:** 93 club members

Submitted by RARC Treasurer, Bob Hart, KCØGND.

### Committee reports:

- **Technical committee** – Rob KCØFOW was absent
  - The new amplifier for the 146.82 repeater is online.

- **Education** – Bill NØNUV
  - The school year is ending, so activity at Schaeffer Academy is winding down for the summer.
- **Contesting** – Stew WØSHL
  - The Chinese Radiosport Association has requested that the frequencies 7.050, 7.060, and 14.270 be cleared for and emergency traffic regarding the recent earthquake. If you interfere, you may receive a letter from the FCC.
- **Public Service** – John NØHZN
  - The Stay Out of the Sun Run (May 16) has enough volunteers.
  - Eric, KFØS is heading the Med-City Marathon on May 25. He will need 15-16 people.
  - The Diabetes Bikeathon will take place June 7.
  - Steve WØSTV is heading the Rochesterfest Parade on June 27. Two additional volunteers are needed, and any additional volunteers would be welcome to provide back-up help. HTs are the only equipment necessary; headphones are recommended. They will use the 146.625 repeater.
  - A leader is needed for the Rochesterfest Triathlon on June 29.
  - Clipboards were passed around to sign up for some of these events.
- **ARES** – Bob ABØBW
  - Representatives of the ARES group went to the Winona Amateur Radio Club meeting to get info on vertical bounce for communication between the Rushford area and Rochester. The Winona club may be included in future drills for emergency communication into Rushford.
  - ARES is working with Peter Cross to set up an emergency trailer.
- **EOC** – Steve WØSTV
  - Mike Bromberg got a technician amateur radio licence.
  - Some additional equipment was installed at EOC
  - There will be a change in staffing, and they are looking for an additional staff member.
  - Members who ordered Skywarn signs for their vehicles may pick them up.
  - The EOC would like all storm spotters to provide their driver license number, insurance policy number, and plate numbers for all vehicles used in storm spotting. If you are a SKYWARN storm spotter, please get that information to Steve as soon as possible.

### **Old Business:**

- Stan KDØBQ is writing a memorandum that will be sent via e-mail to RCTC students regarding the Amateur Radio Expo
- A document of understanding with Schaeffer Academy is still needed. Bill, the chair of the Education committee, believes that Scott KØMD was responsible for that.
- The following equipment was obtained for a ham radio station at Century high school:
  - Glass server case
  - TowerHelp is needed to transport the tower
- Stew WØSHL asked if anyone had the ground wire trencher that belongs to the late Curt Preuss. If you know where it is please contact Stew. Curt had loaned out the trencher, and he requested that when returned, it be donated to the club on his behalf.
- proxy voting by the next club meeting.

### **New Business:**

- Field Day

Dave KØVH, head of the Field Day committee announced that Field Day will take place at Pat

NØADQ's farm. Pat is in charge of facilities, and Scott KØMD is in charge of operating. A person to coordinate food donations is needed; interested volunteers should contact Dave KØVH. Dave is also in charge of public relations/publicity. Dave also suggested that a dry run setup is needed to test for interference and get publicity before the event takes place.

Pat NØADQ announced that the trailer has new tires, but it needs bearings oiled and tuned. The other tower/trailer was damaged.

### Publicity

- Don KCØTST suggested that we contact Randy Brock, the weatherman at KTTC to do some publicity tie-in with SkyWarn.
- Joel KDØAFF suggested that we put something together to show in the movie theaters before the movies begin.
- Bobby KCØNXB suggested that we contact the Rochester Buyer's Guide and Community News. This is a small paper that is mailed to all Rochester residents weekly, and an article on the front page would get good notice.

Dave KØVH made further announcements relating to field day. The station will be 4A or 5A, but we need to really have all of them running 24 hours a day. We will need filters to run these stations on the same band at the same time. Multiband filters cost about \$200. A single band filter costs \$40, and could be used for the digital station.

- Stew WØSHL made a motion to buy a single band filter.
- Peter N8MHD listed out the various stations and concluded that we could use a single band filter for the digital station.
- Pat NØADQ warns that if you use a single band filter you can burn it out by using it on the wrong band.
- Bob ABØBW offered to stay off the principal bands, which would remove the need the filter.
- Nevertheless, the club passed the motion to buy one single-band filter.

Joel KDØAFF reported that the police department offered to loan a trailer for Field Day use. The trailer is between 30 and 40 feet long.

### • Ham Radio Expo

John NØHZN announced that the expo committee will be printing and mailing 5000 flyers to promote the expo. The flyers are 11 by 17 inches. The club will meet some time to fold and label these flyers. Postage for the flyers will cost \$1000. The addresses they will be sent to were provided by Steve Gerosh. They are actual entrants in raffles at other hamfests in the region. Someone proposed that we instead e-mail the flyers to local ham radio clubs and get them to print and distribute them.

- Pat NØADQ made a motion that the club supply John up to \$1200 for postage for flyers for the expo and a five-year membership to Steve Gerosh in thanks for the list of names/addresses he provided.
- Dave KCØUCN amended the motion as follows:  
The club will be reimbursed as soon as the expo has the money.
- The motion was passed as amended.
- Bob ABØBW announced that the flyers will be printed on KariAnn KCØWIP's commercial printer. She will need an ink cartridge (for printer model HP-5si) and paper.

In a non-expo related announcement, John NØHZN said that we need to replace the club's trailers. Possible the club could obtain a civil safety donation to replace them.

Dave KCØUCN made a motion that the club provide up to \$300 for printing flyers with the understanding that the club will be reimbursed when the club has the money. The motion was passed.

Dave KØVH suggested that we get some more help from the Visitors Bureau, since they said they would help with the Expo.

Stan KDØBQ informed the club that the online ticket form will be in operation the following day, May 14.

John NØHZN said that other printing companies quote around \$500 for printing 5000 pieces, so the club is saving money.

The business meeting was adjourned at 7:57 pm.

Respectfully submitted, Bobby Ratliff, KCØNXB

### **Program:**

The program was presented by Bob ABØBW. Bob talked about FDMDV, a new HF digital mode that uses 1.1 kHz bandwidth.

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*Last update: June 12, 2008*



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## RARC Meeting Minutes – June 2008

The June meeting of the Rochester Amateur Radio Club was called to order by President KariAnn Wiles, KCØWIP, at 7:08 p.m., June 10<sup>th</sup>, 2008. at the RCTC Campus. There were 37 members present including several newly licensed hams.

KariAnn began the round the room introductions.

### Treasurer's Report: Tuesday, June 10, 2008

Checking	\$1770.51
Savings	\$1485.9
CD @ 2.75% (note 1)	\$4354.41
Cash	\$20.00
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<b>Total</b>	<b>\$7630.71</b>

### Transactions this period:

2008 Dues	+\$25.00
Interest	+\$0.01
IBM United Way	+32.40
RAREXPO	+145.00
Class Fees	+405.00
Class Expenses	-508.45
Qwest	-\$16.33
RAREXPO	-50.00
'82 repairs	-857.92

Notes: 1 - CD is repeater reserve funds

**Membership status:** 105 club members

Submitted by RARC Treasurer, Bob Hart, KCØGND.

### Meeting Minutes:

RARC Secretary, Daryl ACØID, thanked Bobby KCØNXB for taking the May 2008 meeting minutes in his absence.

- Bob ABØBW said that a correction was needed for the May meeting minutes. The date of the RochesterFest Parade was incorrect. It should have been June 27th instead of June 22nd.

The May 2008 meeting minutes were approved with the correction.

## **Committee reports:**

### • **Technical committee** – Rob KCØFOW

- The 440 repeater is running fine. Still need to pull it to do maintenance on it.
- The 625 repeater is working good. The status of Echolink was not known at the time of the meeting.
- The 82 repeater has been getting a lot of attention lately. A new amp was installed. Dave KCØUCN has been putting in a lot of work on the repeater. He has the output working great now. The input side, however, still needs more work. Dave is going to pull the repeater and put it on the bench for a closer inspection. When he does that he will be replacing it with the old repeater temporarily.
- We are currently looking for another cabinet for the 82 repeater. With some of the recent changes that have been made the equipment no longer fits well in the current space. We are talking to the Mayo Civic Center and IBM about possibly obtaining a cabinet from them.

### • **Program** – Stan KDØBQ

- For this meeting's program, Dave KØVH will do a presentation on Field Day. Stan will also show a video presentation including shots from last year's Field Day. Dave has a sign-up sheet for different field day activities that he will also pass around.
- There is a new ARRL QST Editor that is from SW Rochester. Stan is going to ask him to do a program sometime in the near future. His name is Kirk Kleinschmidt, NTØZ.

### • **DX and Contests** – Stew WØSHL

- This coming weekend is the ARRL VHF Contest. It's all modes working grid squares. On 2 meters, you aren't allowed to use repeaters or the common 146.52 simplex frequency, but you can use the other simplex frequencies.
- There are a few new countries on the air including Mayotti Island, and St. Bartholomew.

### • **ARES** – Bob ABØBW

- Bob is Still working on what to do for drills this summer around the Rushford area. He is going to pick a date and have a people sign up. Then we'll just have people take their equipment out to various spots along the Mississippi river and we'll see if we can pick them up here in Rochester.
- The ARES badges expire in December. New badges will be distributed between December 2008 and March 2009.

### • **EOC** – Steve WØSTV

- There is a SKYWARN net on the first and third Mondays of every month at 9:00 PM on the 147.255 repeater. The first net was held June 2nd and was a big success. This is a joint county venture with Wabasha and Winona taking part in the first net. Wabasha has offered to work our NE part of the county, and we have swapped maps with them. We have also agreed to do net control for them if they are short handed. It was a really good first net.
- Mike Bromberg of the Olmsted County EOC got his ham license after the last VE Exam session. His call sign is KDØEBO.
- Steve has more SKYWARN maps if anybody needs one.
- There is a joint venture underway to try DStar crossband into the cities. Within a couple of weeks we should be able to talk on 440 crossband to hams on the DStar network in the twin cities area. Talk to

Steve or Rob KCØFOW for more information on this development.

- We will be updating the Red Cross antennas from a 2 meter JPole to a dual band vertical.
  
- **Public Service** – John NØHZN
  - Last weekend was the Diabetes Tour de Cure event. It was rained out after it started. It was good we were there to warn the organizers and the participants of the bad weather.
  - Steve WØSTV reported on the RochesterFest parade being held June 27th. We will use the 625 repeater for the event. If you are helping, you need to be at your station by 5:45 PM. The parade starts at 6:15 PM.
  - There are rumors of a Centurion to be held in August. More on that at a later date.
  - The Rochester Half-marathon will also be in August. More on the web site later.
  - Greg KCØEEU will be heading up the RochesterFest Triathlon. Contact Greg if you would like to help.
  - More public service event information will be on the event calendar soon.
  
- **Education** – Bill NØNUV
  - Bobby KCØNXB reported that school is out for the summer so there is no activity at the school station.
  - Bobby also reported that he and his family are moving out of town June 26th.
  - There is a tower available at Longfellow that has been donated to us to use at the Century school station. Bill will investigate how we can get the tower dismantled, moved, and reassembled at Century.
  - Bob KCØGND asked that Bill NØNUV get a DOU between the school and the club completed and delivered to him as soon as possible. Bill will report on this at the next meeting.
  
- **Field Day** – Dave KØVH
  - The Field Day committee report is covered by the program this month.
  
- **RARExpo** – RARExpo Committee Chairs
  - John NØHZN reported on the Expo. Reservations are starting to come in.
  - John attended the TwinsLAN tailgate hamfest at the 3M plant, and handed out about 300 fliers. Many people there said they knew about the Expo and were planning to attend.
  - We are still working on getting vendors to attend. If you know of any dealers, please talk to them about the RARExpo and ask them to join us. Fliers have gone out to 100 vendors so far and we've only heard back from 2. The gas prices are a real issue with the vendors.
  - So far we have two confirmed vendors:
    - Radio Shack
    - Radio City
  - There will be flyer work coming soon. Flyers have to be prepared for mailing.
  - Tickets for the RARExpo are on sale now. See John or the web site to purchase yours.

### Old Business:

- The 82 repeater repair will continue. We have a good plan on that.
- The feasibility of proxy voting will be discussed at next month's meeting. Part of the ongoing club bylaws rework being headed up by KCØGND needs a resolution to the proxy voting question. Daryl ACØID and others will investigate if we can use our web server to provide a proxy voting capability, and report on that at the next club meeting.

### New Business:

- Don KCØQGB announced that his son, Bryan KCØWIJ, will be back in the next week and will be an active member in the club again. Bryan says "Hi!" to everyone.

- Bob ABØBW reported that his IRLP node is up and running. On Saturday nights at 7:00 PM there is a national SKYWARN net. To get on the net, you enter a code which puts you onto a reflector. The number for the reflector is 9129. Bob said if he is not around on Saturday evenings, anyone can put the node onto the reflector by entering the code. The IRPL node is on the 440 repeater so anyone with a 440 rig can turn the reflector on and participate in the net. More information on the SKYWARN net can be found at [www.viopwx.net](http://www.viopwx.net)
- KariAnn KCØWIP mentioned that there is a vision impaired ham in the area that would like to participate in the club activities. He is looking for transportation to club events. He lives in a condo at the Holiday Inn South. Please contact KariAnn if you can help provide transportation.

The business meeting was adjourned at 8:47 p.m.

Respectfully submitted, Daryl Mowrer, ACØID

### **Program:**

Stan KDØBQ started the program with a video presentation that he prepared using footage from last year's Field Day. Dave KØVH then gave a great presentation on the upcoming Field Day activities. A sign-up sheet was also passed around. If you are interested in participating with other club members at this year's Field Day, contact Dave KØVH. You can also find more information on the club's main web page .

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*Last update: July 8, 2008*





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## RARC Meeting Minutes – July 2008

The July meeting of the Rochester Amateur Radio Club was called to order by President KariAnn Wiles, KCØWIP, at 7:06 p.m., July 8<sup>th</sup>, 2008. at the RCTC Campus. There were 37 members present.

KariAnn began the round the room introductions.

### Meeting Minutes:

The June 2008 meeting minutes were approved.

### Treasurer's Report: Tuesday, July 8, 2008

Checking	\$396.96
Savings	\$1485.80
CD @ 2.75% (note 1)	\$4354.41
Cash	\$20.00
-----	
<b>Total</b>	<b>\$6227.17</b>

### Transactions this period:

2008 Dues	+\$85.00
Interest	+\$0.01
IBM United Way	+32.40
RAREXPO	+50.00
RAREXPO	-1421.72
Qwest	-\$16.33
RPU (3Q)	-90.00
FD filter	-42.90

Notes: 1 - CD is repeater reserve funds

**Membership status:** 108 club members

Submitted by RARC Treasurer, Bob Hart, KCØGND.

- **Program** – Stan AIØM

- Stan is trying to line up a program on stealth radio for one of the next couple of meetings.
- For this meeting's program, our guest speaker, Ralph Bierbaum, NØAWN, from Shoreview, MN, will do a presentation on emergency preparedness.
- For a future program we may have a session for new hams where some of the more experienced hams will share some of their experiences and discuss topics such as what radios to buy, and why. Perhaps for the September meeting we will have a demo night.

### **Committee reports:**

- **DX and Contests** – Pat NØADQ reporting for Stew WØSHL
  - This coming weekend is the IARU HF World Championship Contest. It is a 24 hour contest starting at 7 a.m. Saturday. Scott KØMD will be running one of the headquarter stations on 80 meters.
- **ARES** – Bob ABØBW
  - Bob is still working on what to do for drills this summer around the Rushford area.
  - Peter WØSA is buying a trailer that we will be able to use for emergency communications.
- **EOC** – Steve WØSTV
  - Nothing new to report. Steve and Bob attended the airport emergency preparedness meeting. They are revamping their current program and plans due to future airport changes.
  - The current RARC EOC staff is Steve, Rob Richter, John Scott, and Eric Van Norman. Steve is looking for one more person to join the staff.
- **Med-ARES** – Bob ABØBW
  - We want to get Med-ARES going again, and at least get together to test out the radios.
  - Bob has a listing of the simplex frequencies used for ARES and Med-ARES.
- **Public Service** – John NØHZN
  - The Rochester Half Marathon will be held August 23rd. We are looking for volunteers to help.
  - The Centurion has not contacted us yet. That event is expected to take place in September.
  - Check the Event calendar on the web site for more public service dates and information.
- **Technical committee** – Rob KCØFOW
  - The Technical Committee did meet. They are still working on the 82 repeater.
- **Education** – Bill NØNUV
  - Nothing new to report since school is out for the summer.
  - Schaeffer Academy School Roundup results: Last fall with WØMXW they had 644 total in 5 hours and ranked 8th. Last spring with WØSAA they had 432 total in one hour and ranked 17th.
- **Field Day** – Dave KØVH and Pat NØADQ
  - Thanks to everyone who attended the Field Day activities this year.
  - Please patronize Subway, Famous Dave's, and Panera Bread. Thank the managers for their contributions to our Field Day event.
  - The Field Day article is on the web site. We are looking for more pictures.
  - Peter has an article on the web site on the pros and cons of QRP operating.
  - We are currently looking for volunteers for next year's Field Day.
  - Pat presented a summary report on the numbers for this year's Field Day. See the web site article for details.
    - We had 55 people attend, including 4 visitors.
    - We had 4288 points for QSOs: 1234 CW, 160 digital, and 1500 phone
    - We picked up 1390 bonus points this year.
    - The total looks to be 5678 points. Last year we had 5400 points.

- **RARExpo** – RARExpo Committee Chairs
  - The Expo is coming together. Stan is booking the rooms.
  - We still need some door prizes for the main event. We are talking to AES to supply something. We also posted the event on their web site.
  - 5100 flyers have been mailed.
  - Flyers went to everyone that has attended hamfests in Iowa, Wisconsin, and Minnesota.
  - Scott thanked the committee, and commented on the banquets, programs, and speakers that are lined up. See the RARExpo web site for the latest information.
  - We still need volunteers for various jobs. See Scott if you would like to volunteer to help at the expo.

### **Old Business:**

- We still need a DOU between the RARC and Schaeffer Academy concerning the school station there. This needs to be completed for the September meeting. Scott KØMD will write the DOU.
- There was some discussion about providing proxy voting. Daryl ACØID and Robert KØRDA reported that proxy voting could be feasible, but it would take a good deal of time and effort to accomplish it, and it may not even be practical or desirable. Other members then voiced concerns over providing proxy voting. The discussions ended with a motion to not provide proxy voting, and to remove it's mention from the club bylaws. The motion passed. Bob KCØGND will remove proxy voting from the club bylaws.

### **New Business:**

- Bob KCØGND reported that College for Kids would like to see the RARC continue to make a donation this year. We have given a \$300 donation to them the past several years. This year we do not have it in the budget. Some discussion took place on whether or not we could take that \$300 from the money already allocated by club vote for education. A motion was made to donate \$300 to College for Kids, and the Education Committee should finalize all expenses related to education and get those covered by the end of the calendar year. That gives the Education Committee adequate time to review all education related expenses, and for the club to vote on them before the end of the year. The motion was seconded, and voted on. Two opposed. The motion passed.
- KariAnn KCØWIP announced that the August club meeting would be the annual club picnic to be held at Oxbow park. She asked for a person to volunteer to coordinate the event.

The business meeting was adjourned at 8:18 p.m.

Respectfully submitted, Daryl Mowrer, ACØID

### **Program:**

The program was on emergency preparedness. The guest speaker was Ralph Bierbaum, NØAWN, from Shoreview, MN. Ralph shared some of his own experiences as an emergency communications expert, and provided plenty of useful tips on how to better provide emergency communications under many different situations and operating conditions.

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## RARC Meeting Minutes – September 2008

The September meeting of the Rochester Amateur Radio Club was called to order by President KariAnn Wiles, KCØWIP, at 7:10 p.m., September 9<sup>th</sup>, 2008. at the RCTC Campus. There were 28 members present.

KariAnn began the round the room introductions.

### Meeting Minutes:

The July 2008 meeting minutes were approved.

### Treasurer's Report: Tuesday, September 9, 2008

Checking	\$7458.54
Savings	\$5689.23 (note 1)
Cash	\$20.00
	-----
<b>Total</b>	<b>\$13167.77</b>

### Transactions this period:

Interest	+\$49.02
IBM United Way	+\$64.80
RAREXPO	+\$14,210.00
RAREXPO	-\$6303.09
College for Kids	-\$300.00
Liability Insurance	-\$320.00
Qwest	-\$32.74
Picnic	-\$46.72
Meal for guest speaker	-\$11.54

Notes: 1 - Includes repeater reserve fund, pending ARRL insurance payout

**Membership status:** 108 club members

Submitted by RARC Treasurer, Bob Hart, KCØGND.

- **Program** – Stan AIØM

- For this meeting's program, Robert KØRDA will present some information on the internet, and Bob ABØBW will talk about the upcoming Rushford emergency drills.
- The October program will consist of a Youth in Radio presentation. The RARExpo committee will also provide an Expo summary, and Jerry Nau from College for Kids has volunteered to bring refreshments to show his gratitude for the club's support of the College for Kids program.
- The November program will be kit-build night. Please let Stan know if you are interested in this.

### **Committee reports:**

#### • **Technical committee** – Rob KCØFOW

- The 82 backup repeater is now on the air while the actual 82 repeater is being repaired. The amp was bad. We suspect that the receiver is also bad. Both were apparently damaged by lightning strikes.
- The auto-patch is down while the 82 repeater is being repaired.
- The 625 Echolink is off-line for now.
- The 440 repeater is operational. Bob ABØBW has an IRLP node active on that repeater. He had it connected to the Hurricane Net IRLP node after Hurricane Gustav.

#### • **Public Service** – Steve WØSTV for John NØHZN

- The Treadman Duathlon will be held September 27th. Greg KCØEEU is coordinating the event. He is looking for volunteers to help.
- There are no other public service events scheduled for the remainder of the year.

#### • **ARES** – Bob ABØBW

- David WØTMP is the new AEC.
- Bob will be presenting his plan for the Rushford emergency drill during the meeting's program.
- ARES badges expire the end of 2008. Bob will be bringing the ARES list to the October meeting and will begin taking pictures for next year's badges. Please be present at the October meeting to get your ARES badge picture taken.
- We must recover the old ARES badges when the new ones are available at the end of 2008. Only the ARES badges issued for 2009 will be valid for ARES and EOC activities next year.
- ARES members are encouraged to get an ARES vest. If you need to obtain a vest please contact Bob ABØBW.

#### • **EOC** – Steve WØSTV

- Steve went through all of the old equipment in the basement of the EOC, and put most of it up for sale. The sales brought in \$800 which the EOC said we could use to buy things that we need to support the EOC such as more equipment or radar software.
- We will be using a weather radar program, as well as software that displays our spotter's APRS positions on the radar. All SKYWARN spotters are strongly encouraged to use APRS when out storm spotting. Our EOC personnel as well as the NWS in La Crosse will be able to position us and keep tabs on us better if we all use APRS.
- The last SKYWARN net is being held Wednesday September 17th at 9:00 pm on the 255 repeater. This will be a multi-county net, and the NWS La Crosse will also participate.
- There is money in the county EOC budget for a new dual band radio for the EM50. We are planning to purchase a DStar capable dual band radio so we can communicate on the DStar repeaters in the Twin Cities area if needed.

#### • **DX and Contests** – Peter N8MHD and Dave KØVH reporting for Stew WØSHL

- This coming weekend is Get Your Feet Wet Weekend. It's a slow CW contest for new people to try.
- Saturday-Sunday is the All VHF Contest. Use simplex, but not 146.52.

#### • **Education** – Bill NØNUV

- Nothing new to report at Schaeffer.
- There have been equipment donations made to the school stations including an amp and a tower.

- **RARExpo** – Stan AIØM

- The Expo committee is planning a debriefing session for the club during the October meeting.
- Some people are already talking about the possibility of doing the Expo again in 2009. This time it would be different. We would have to rethink the flea market part of the Expo.
- Comments from various club members were that most people went for the conferences, the information tables were valueable, and the commercial vendors were good.
- The financials are not complete, however, it does appear that we made money on the Expo.
- We all learned a lot from the Expo experience. More information will be discussed at the October club meeting.

**Old Business:**

- As a result of a vote at the July club meeting, the Education Committee will finalize all expenses related to education and get those covered by the end of the calendar year. That gives the Education Committee adequate time to review all education related expenses, and for the club to vote on them before the end of the year.
- There is no longer any work being done on updating the club bylaws. The bylaws are complete.

**New Business:**

- Steve WØSTV said that we need a generator for the 82 repeater. The other repeaters in town have backup power. The 82 repeater only has battery backup.

A generator should be purchased as club equipment. It should be stored with the other club equipment. In the event that the 82 repeater loses power the battery will keep it going while someone transports the generator to the repeater site and installs it. The generator could also be used for emergencies, Field Day, and other events.

The Technical Committee will look at the options that are available. Some recommendations were made that they look at the QST article on generators from a couple of months ago. Also, we should not need to spend a lot of money on a generator, but we should pursue getting one that has an inverter.

- Robert KØRDA requested that the club look into purchasing some Byonics Micro-Trak All In One APRS portable tracker units that could be loaned out to people for events or for SKYWARN storm spotting. The Micro-Trak All In One unit is based on the TinyTrak3, and sells for \$250 assembled. More information is available at the link <http://www.byonics.com/microtrak/mtaio.php>.

Robert also talked about a very small GPS unit built just for the Kenwood D710 radio by Green Light Labs here in Rochester. More information is availble at the link <http://www.greenlightlabs.com>.

The business meeting was adjourned at 8:15 p.m.

Respectfully submitted, Daryl Mowrer, ACØID

**Program:**

The program had two presentors. The first was Robert KØRDA. Robert provided a very informative introduction to the internet followed by more details on how to go about setting up your own web site. Robert also demonstrated the content management system named Drupal which he used to build the RARExpo web site with. Robert's presentation can be found at the link [RARC Internet Basics](#).

Bob ABØBW then presented his plan for the Rushford emergency drills which are scheduled for Saturday October 4th. All ARES members are encouraged to participate in the exercise. Bob is looking for volunteers to be team leads for HF, digital, and VHF teams. He also would like others to volunteer to be a member of the team of your choosing. Please contact Bob for more information or to volunteer.

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*Last update: October 1, 2008*





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## RARC Meeting Minutes – October 2008

The October meeting of the Rochester Amateur Radio Club was called to order by President KariAnn Wiles, KCØWIP, at 7:05 p.m., October 14<sup>th</sup>, 2008. at the RCTC Campus. There were 32 members present and 4 vistors.

KariAnn began the round the room introductions.

### Meeting Minutes:

The September 2008 meeting minutes were approved.

## Rochester Amateur Radio Club

### Treasurer's Report: Tuesday, October 14, 2008

#### Account Balances:

Checking:	\$3,346.13
Savings: (note 1)	\$5,689.27
Savings:	<u>\$20.00</u>
Total:	\$9,066.40

#### Transactions this period:

Interest:	+\$0.04
IBM United Way:	+\$32.40
RAREXPO:	-\$3,798.71
Fire-Theft Insurance:	-\$237.00
RPU: (4th Qtr)	-\$90.00
Qwest:	-\$16.40

#### Notes:

1 - Includes repeater reserve fund, pending ARRL insurance payout

Respectfully submitted,

*Bob*

Bob KCØGND

RARC Treasurer

**Membership status:** 111 club members

• **Tonight's Program** – Stan AIØM

- For this meeting's program, we will have a presentation from some members of the Minneapolis Youth Radio.
- Bob ABØBW will give an update on the Rushford drills that took place Saturday, October 4th.
- Jerry Nau will tell us about the College for Kids program that was held this last summer.

**Committee reports:**

• **Education** – Bill NØNUV

- The ARRL School Club Roundup is being held October 20 - 24. Bill would like to have some volunteers help at the Schaffer school club. Please contact Bill if you are interested in helping with the School Club Roundup.
- Bob KCØGND asked about the status of the DOU between the Schaeffer School club and RARC. Scott KØMD reported that the DOU would be discussed at the next Schaeffer school board meeting. Scott will communicate the results to the RARC officers after the meeting.

• **ARES** – Bob ABØBW

- ARES badges expire the end of 2008. Bob brought a list of all 39 ARES members and began the process of taking pictures for next year's badges. Please contact Bob if you have questions about your ARES member status, or if you still need to get your 2009 ARES badge picture taken.

• **EOC** – Steve WØSTV - not present

- Nothing reported.

• **DX and Contests** – Stew WØSHL - not present

- Nothing reported.

• **Technical committee** – Rob KCØFOW

- The 82 repeater is still being repaired, and it's backup is still on-line.
- The 625 repeater now has a new message.
- The technical committee is looking for a good deal on a generator for the 82 repeater site. They are looking for a kilowatt generator with an inverter, and an engine that has bearings.

• **Programs** – Stan AIØM

- The November program will most likely be a kit night. Contact Stan if you have some good ideas for kit night.

• **RARExpo** – Stan AIØM, Scott KØMD, and John NØHZN

- Stan reported that the Expo was a great success. We received lots of compliments on it. Around 300 people attended the Expo, and the Expo made around \$3600.
- Scott said close to 150 attended the contesting meetings, and close to 350 people attended the Expo. We received lots of positive feedback from the Minnesota Wireless Association and from others. We raised about \$3000 for the California DX group and gave away nearly \$5000 in door prizes.
- John reported on the financial results. We spent \$12084, took in over \$16000, which left us with roughly \$3600. John suggested that we do an Expo again next year with possibly a different format. It would probably be just a one day event. There is still some question of whether a flea market is necessary. If we are going to do a 2009 Expo we need to get started on it now.
- Lots of lively discussion took place on what to do with the \$3600 raised by the Expo, and exactly who

the \$3600 belongs to. The discussions leaned towards using the money to fund the next Expo. Ultimately the debate ended with a motion that the RARC support another Expo in 2009. The motion passed.

• **Public Service** – John NØHZN

- The Frozen Goose Run event will be held again in February. John is looking for volunteers to help with the event.
- More 2009 public service event information will be posted on the club event calendar at a later date.

• **Field Day** – Dave KØVH

- Dave said that we need to start working on the 2009 Field Day event planning in October or November.
- Dave is looking for three or four members to help on the committee. Let Dave know if you would like to join the Field Day committee for 2009.

**Old Business:**

- As a result of a vote at the July club meeting, the Education Committee will finalize all expenses related to education and get those covered by the end of the calendar year. That gives the Education Committee adequate time to review all education related expenses, and for the club to vote on them before the end of the year.
- Steve WØSTV said that we need a generator for the 82 repeater. A generator should be purchased as club equipment. The Technical Committee will look at the options that are available.
- Robert KØRDA requested that the club look into purchasing some Byonics Micro-Trak All In One APRS portable tracker units that could be loaned out to people for events or for SKYWARN storm spotting. The Micro-Trak All In One unit is based on the TinyTrak3, and sells for \$250 assembled. More information is available at the link <http://www.byonics.com/microtrak/mtaio.php>.

Robert reported that he applied for and received a \$1000 grant from IBM to be used to purchase four of the Byonic Micro-Trak units!

**New Business:**

- KariAnn announced that she is forming the nominating committee for the 2009 club officers. She would like five volunteers to participate on the nominating committee. If you are interested, call or email KariAnn.
- The December club meeting will be the annual RARC Holiday Party. KariAnn asked for suggestions on places to meet for the event. The following list was tabulated, and during the break, some club members selected their preference:

<b>Location</b>	<b>Members selecting location</b>
O'Neill's Pizza Pub	10
HuHot	0
Fisherman's Inn	0
Old Country Buffet	0
Dos Amigos	2
BB's Pizza	3
Wile's house	2

- Jim Evans asked that the kit night held during the November program include a project on antenna building.
- Jamboree On The Air (JOTA) for Boy Scouts is being held this weekend, October 18th and 19th. See [http://www.scout.org/en/information\\_events/events/jota](http://www.scout.org/en/information_events/events/jota) for more information.

The business meeting was adjourned at 8:04 p.m.

Respectfully submitted, Daryl Mowrer, ACØID

### **Program:**

The program featured three presentors. The first was Bob ABØBW. Bob presented his Rushford Drills Post Assessment which included a slideshow with pictures taken of the event in Rushford, and a report on what worked and what didn't during the drills.

The second presentation was given by Phil Brunson and two others from the Minnesota Youth Amateur Radio Council . They presented on what the MNYARC was and some of the challenges they face getting youth interested and involved in amateur radio.

The third presentation was given by Jerry Nau on College for Kids. Jerry described the classes he gives for College for Kids during the summer, and how the kids relate to the class. Jerry also thanked the club for donating \$300 to the program this year, and brought in treats for the break to show his appreciation.

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*Last update: October 19, 2008*



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## RARC Meeting Minutes – November 2008

The November meeting of the Rochester Amateur Radio Club was called to order by President KariAnn Wiles, KCØWIP, at 7:05 p.m., November 11<sup>th</sup>, 2008. at the RCTC Campus. There were 26 members present and 1 vistor.

KariAnn began the round the room introductions. During introductions, it was announced that VE Testing will be held in December and the club should be offering a class next spring.

## Rochester Amateur Radio Club

### Treasurer's Report: Tuesday, November 11, 2008

#### Account Balances:

Checking:	\$3,702.13
Savings: (note 1)	\$5,689.31
Cash:	<u>\$20.00</u>
Total: (note 2)	\$9,411.44

#### Transactions this period:

Interest:	+\$0.04
IBM United Way:	+\$32.40
RAREXPO:	+290.00
Qwest:	-\$16.40

#### Notes:

- 1 - Includes repeater reserve fund, pending ARRL insurance payout
- 2 - Does not include undeposited \$665.48 USPS rebate check for Expo mailing

Respectfully submitted,

*Bob*

Bob KCØGND  
RARC Treasurer

**Membership status:** 111 club members

2009 Club dues are now being accepted.

**Meeting Minutes:**

The October 2008 meeting minutes were approved.

**Tonight's Program – Stan AIØM**

- Tonight was going to be a kit build night, however no one responded
- Stan AIØM is doing a presentation on HF amps and proper tuning
- Robert KØRDA is doing a presentation on digital modes and APRS on the cheap/free
- An idea has been raised for a mid-month kit build night, possibly a TinyTracker night?

**Committee reports:**

• **Technical committee** – Rob KCØFOW

- The 82 repeater was running on the backup repeater
- The backup was originally replaced because of issues
- While the backup repeater was working, those old problems have returned so 82 is currently off the air (it may be up at some times, but use with caution as it may go offline without notice)
- The committee hopes to hear back on current 82 repeater repairs as early as tomorrow

• **DX and Contests** – Dave KØVH

- Sweepstakes sideband was this weekend, was a mid afternoon Saturday through Sunday event
- End of November is the CQWW CW contest
- 10 meter and 160 meter contests coming up in December
- If you have worked all 80 sections, you can get a mug and broom for "clean sweep" - one time only thing

• **Education** – No one present

• **ARES** – Bob ABØBW

- New ARES membership list is available for review
- Pictures will be taken for new badges
- Simplex frequency lists are available on the web site
- Emergency Communication vest orders will be taken - See Bob ABØBW or John NØHZN to order

• **EOC** – Steve WØSTV

- Mass inoculation took place at RCTC two weeks ago
- They tested the link to the Preston/Fillmore EOC and 800 MHz backbone
- Fillmore EOC can reach the Olmsted EOC on the 255 repeater
- A Red Cross shelter drill took place this past Saturday - Opened EOC and Red Cross building - link operational between all three locations - 2 people at the Olmsted EOC, 2 people at the RC, 3 people at the shelter at the church. Discussed several protocol related issues with regards to communications and operational procedures.
- An Airport drill is in plan for 2009
- EOC has portable ATV station on UHF ready to go, batteries, camera, and radio all packaged together.
- The Wabasha group is putting together a program on their new ATV repeater

• **Public Service** – John NØHZN

- Frozen Goose run will be sometime in February
- Diabetes Ride is planned for June 2nd

## Old Business:

- We are down to the point of purchase for a backup generator for the 82 repeater per Steve WØSTV. Cost estimate is \$350 plus shipping. There was discussion on holding off until next year since there are not general funds available at this time and the education funds are still allocated until the end of year. Based on the July club motion, the educations are allocated until the end of the year. Motion was made to pay for generator out of insurance check for power amp when the money arrives from the insurance policy. The motion passes.
- KariAnn KCØWIP announced the December meeting will be at O'Neill's Pizza Second Tuesday at 6:00 p.m. A social hour, dinner, and elections will take place.

## New Business:

- Dave KØVH announced a Field Day 2009 mailing group has been setup. If you want to get involved, contact Dave.
- Dave also announced the IBM Radio Club is having a Swap fest this Thursday at 6:30 in RCTC room EH244.
- Finally, Dave made a plug for the 10 Meter net on Tuesdays 8:00 pm, except club meetings, on 28.320. 10 meters is getting better as solar cycle 24 is getting started and it is open to all Tech licensees.
- Bob KCØGND did a RARExpo finance review. There was no loan for postage - only money out was cash box seed money, which was returned and is accounted for in the values below. The money is currently being held as seed money for next year's event.

Revenue: \$15,807.98

Expenses: \$12,084.02

Net Profit: \$3,786.96

- John NØHZN announced that a group has started planning on RARExpo 2009, looking for a single day event. RCTC should be good for next year's event. They want to work with CVB again, but start working with them earlier and as a group as opposed to a single point of contact. It would not be a Dakota Division convention, but could be MN section event.
- KariAnn KCØWIP presented the nominating committee and their recommendations for nominees.

Nominating committee:

Bill - KØRGR

Bill - NØNUV

Don - KCØTST

Dave - KØRPD

Peter - N8MHD

Nominating committee made the following recommendations:

President: Peter - N8MHD

VP: Robert - KØRDA

VP: Dave - WØTMP

Treasurer: Bob - KCØGND

Secretary: Bryan KCØWIJ

Additional Nominations:

Dave KØRPD was nominated for President but declined because of other commitments.

The business meeting was adjourned at 7:58 p.m.

Respectfully submitted, Robert Andrews, KØRDA

### **Program:**

The program tonight had two presenters. First Stan AIØM presented on HF amplifiers. The presentation covered the various types of amplifiers: tube and solid state. How to properly tune the amplifier based on the band, cable, and antenna. Maintenance and upkeep costs were also discussed.

The second presenter was Robert KØRDA. Robert presented on how to work digital modes and APRS for free. First was AGWPE, a free software based packet engine that does the analog audio to digital conversion. With this, you can then run the free UI-View 32 or WinAPRS. UI-View requires purchased maps while WinAPRS can use free government provided TIGER maps. Finally, the free program MultiPSK was presented. This program has its own packet engine built in and works several digital modes, including APRS, RTTY, Oliva, and SS TV. None of these require any hardware, just cable the speaker and microphone jack into the soundcard of the PC.

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## RARC Meeting Minutes – December 2008

The annual holiday meeting of the Rochester Amateur Radio Club was called to order by President KariAnn Wiles, KCØWIP, at 7:12 p.m., December 9<sup>th</sup>, 2008 at O'Neill's Pizza Pub in Rochester. There were approximately 32 members and guests present.

### Meeting Minutes:

The November 2008 meeting minutes were approved.

## Rochester Amateur Radio Club

### Treasurer's Report: Tuesday, December 9, 2008

#### Account Balances:

Checking:	\$4,124.67
Savings: (note 1)	\$5,689.35
Cash:	<u>\$20.00</u>
Total:	\$9,834.02

#### Transactions this period:

Interest:	+\$0.04
IBM United Way:	+\$32.40
2009 dues:	+\$75.00
RAREXPO:	+665.48
Qwest:	-\$16.40
'.82 repairs:	-\$252.99
Check printing:	-\$22.95
PO Box #1:	-\$58.00

#### Notes:

1 - Includes repeater reserve fund, pending ARRL insurance payout mailing

Respectfully submitted,

*Bob*

Bob KCØGND  
RARC Treasurer

**Membership status:** 112 club members

No old business was discussed and there were no committee reports presented.

An election for officers was held by written ballot. The following officers were selected by the RARC membership:

President: Peter Wollan, N8MHD  
Vice President: Robert Andrews, KØRDA  
Treasurer: Bob Hart, KCØGND  
Secretary: Bryan Borland, KCØWIJ

Upon the conclusion of the election, KariAnn KCØWIP handed over the gavel to the incoming president and thanked the club for their participation and accomplishments throughout 2008.

During the business meeting, KariAnn KCØWIP, and Stan AIØM also recognized several members for their contributions during the year, providing each with a nice Certificate of Recognition.

The business meeting was concluded at 7:20 p.m. After the business meeting, the party continued with members and guests socializing, and enjoying the delicious desserts provided by KariAnn KCØWIP.

Respectfully submitted, Daryl Mowrer, ACØID

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*Last update: December 13, 2008*



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## **RARC Meeting Minutes - January 2007**

The January meeting of the Rochester Amateur Radio Club was called to order at 7:00pm, Tuesday 01/09/07, by Vice President Kari Ann Wiles (KCOWIP).

After the usual round of introductions, there were 38 attendees.

The minutes of the December meeting were approved on a voice vote.

The Annual Report was accepted on a voice vote.

Membership – reports 118 members

Tech Committee – another member is needed to replace Brad AI0BP. Contact K0VH

Public Service – The Frozen Goose Relay, Marathon, Diabetes Tour de Cure and Centurion were discussed

Program – Sgt. Turk and Capt. Loftus and the Incident Command Vehicle

ARES – Bob AB0BW took pictures for new ARES id's and pointed out that there is an online form that can be used for ARES members to re-register

EOC will have an open house on 1/30

The Business Meeting was adjourned at 7:30

submitted by Bill K0RGR

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## RARC Meeting Minutes - February 2007

Meeting Minutes, Feb. 2007

The meeting was called to order by President Dave, K0VH at 7 p.m. .

There were 31 members and 1 guest in attendance.

The treasurer's report was approved on a voice vote. The minutes of the previous meeting were approved on a voice vote.

Treasurer Bob, KCOGND, reminded the members that Dues are now due. We had 4 new members at this meeting.

The Tech Committee reported on their meeting, where it was decided to pursue a new antenna and feedline for the .82 repeater.

The ARES report noted that SKYWARN training will be on 3/21, no smoking and no food. The status of the 145.67 Packet Radio node was also discussed.

There is a new 10 meter net at 8 p.m. on Tuesdays when the club is not meeting. All amateurs are invited to join this net, including the Technicians who recently gained privileges on this band.

K0VH presented a discussion on "on the air etiquette".

Other business items discussed included:

- Repeater control ops are needed.
- There is a request for a hands-on class on how to set up a station.
- Eyeball QSO night was proposed.
- It was suggested that we pursue some kind of class credit for the ham class for School kids.
- It was suggested that we offer a free seminar "this is Ham Radio".
- It was suggested that we participate actively in SEAMARK and JOTA.

Following the business meeting, our ARRL Section Manager, Skip KS0J, did a presentation on ARRL and we had a question and answer/discussion session after.

submitted by Bill K0RGR

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## RARC Meeting Minutes - March 2007

Minutes – RARC Meeting 3/13/2007

Meeting was called to order at 7 p.m. by president Dave Naatz, K0VH

The Treasurer's report was received and approved.

The Technical Committee moved to appropriate not to exceed \$2,100 to purchase a Hustler HX6-14448 antenna for the 146.82 repeater, and to hire someone to install the antenna and salvage the old one. The motion was passed on a voice vote.

Public Service Committee reported that the Med City Marathon will be at the end of May – see KF0S – we will need about 10 people. The Centurion bike race is still an unknown.

ARES – working on badges – SKYWARN Training will be 3/21 – new SKYWARN maps are coming. Brad, AI0BP, reported that several people were involved in helping to remodel the EOC, APRS is up and running and they are working on using ATV and spotter callouts via SMS text messaging.

DX and Contests – reported ongoing and upcoming DX and Contest activity.

BPL – Mel, KC0P reported that RPU is still gathering requirements.

The new 10 meter net on Tuesday nights is flourishing on 28.320 at 7:00 on Tuesdays when there is no club meeting.

K0VH wanted to remind us of the program ideas mentioned in February :

- a hands-on separate class on how to set up a station
- an 'eyeball QSO' night
- arranging class credit at RCTC or the High Schools or the ham classes
- a 'This is Ham Radio' presentation

The business meeting was adjourned at 7:35.

The after-meeting program was a demonstration of digital modes by AB0BW

submitted by Bill K0RGR

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## RARC Meeting Minutes - April 2007

The Minutes from March were amended to add a signature block and one call sign.

**Membership** - 88 + recent class but OK for money

**VP program suggestions** - Foxhunt

Suggestion : compile missed questions on Tech exams

**Tech Committee** - info on Hustler HX6-14448 antenna for the 146.82 repeater. The antenna is on order.

**Public Service Committee:** KF0S - Med City Marathon end of May - need 20 - 25 people - Centurion bike race is still an unknown. Tour de Cure June 2 - Ride for Y?

**ARES** - Bob, AB0BW - 3 badges distributed, camera available - contact list - can email to cellphone - if cellphones are out, go to .255. Net control list - need to pay attention if you're on the list.

**DX and Contests** - Stu W0SHL - Scarborough Reef N8S on Swain Island had 76,000 QSO's- April 28 is Marconi day

**New Business** - equipment for sale - IC-735 and KW amp , other stuff, tower. Tuesday night - 10 meter net. 28.320 at 8:00 local - repeater is having problems , control board is acting up. KB0TVP - listeners should keep logs, but don't confront him. EOC will collect documentation and send to FCC.

**EOC** - Steve W0STV - Skywarn maps are out - need DL and insurance for EOC records - APRS recommended - Monthly Skywarn net starts Memorial Day -

**Motion** - donate \$300 for College for Kids - passed

The business meeting was adjourned at 7:55.

W0STV and KF0S gave a 5 minute on 2 meter repeater procedures.

Brenda Zeibell of the Red Cross gave a discussion on pandemic planning.

Submitted by Peter N8MHD for Bill K0RGR

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## **RARC Meeting Minutes - May 2007**

Minutes - Rochester Amateur Radio Club Meeting - 5/8/2007

Call to order at 7 p.m. by K0VH 30 in attendance

**Membership report** - currently 96 paid members.

**Tech Committee** - The antenna for the .82 is delayed

**Program Committee** - Tonight's session is Ham Radio 101 - separate sessions on multiple topics

### **Public Service**

- Med City Marathron is 5/27 from 7 a.m. to 1:30 p.m.
- Tour De Cure - we need APRS stations
- Chester Woods - same day as Tour De Cure
- Rochesterfest Parade
- Rochester Y ride

### **ARES**

- Still doing badges
- Skywarn meeting 5/10 at 7 p.m.

### **New Business**

- A moment of silence for K9LLC who passed away a week ago
- New hams committee - President Dave started signups for a new committee to assist new hams
- Field Day - Century High School and Gage Elementary being considered as sites
- IEEE Project - how can we jam cellphone triggered IED's?

Meeting adjourned at 1942 hrs.

Respectfully Submitted

K0RGR - Bill Osler - Secretary

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## **RARC Meeting Minutes - June 2007**

Minutes - June 12, 2007 - RARC

There were 39 members in attendance

Meeting was called to order at 7 p.m. by K0VH  
Minutes from 5/6 were read.

### **Treasurer's Report from K0VH**

\$3265 Checking  
\$1785 Savings  
\$4092 CD  
\$20 Cash  
**\$9162 Total**

We have 103 paid members.

**New hams committee** - listed the volunteers

**New business** - there will be VE testing this Thursday night at 6:30 at the Red Cross

### **Technical Committee**

- .82 antenna has been changed
- we need a repeater site cleanup day

### **Programs**

- Ham Radio 'Down Under' - July
- Fox Hunt and Picnic - August

**Public Service** - we have 5 more events

- Y ride
- 6/22 - Rochesterfest Parade
- 6/23 - Quarry Hill event
- August - Half Marathon
- Centurion?

**ARES** - Bob AB0BW

- Badges are available
- Capt. Joe Loftus has retired - Terry Wolinsky is the new head of EOC
- The EM50 van now has a ham station



- 145.67 is moving along but not back up yet
- 147.255 Skywarn Nets

**Contests + DX** - Rwanda is on

We need a new webmaster

KC0GND is resigning as Treasurer - looking for volunteers ( Bob has since reconsidered)

KB0TVP - K0RGR and K0VH discussed this fellow, who has become the subject of a formal complaint with FCC on behalf of the club and the EOC and others..

It was moved and passed on a show of hands that the Education Committee , consisting of Bill,K0RGR, Doug, KD0UGB, Kari Ann, KC0WIP, and Stan, KD0BQ Are authorized to spend up to \$1,000 to provide books to the participating educational institutions as they see fit. The motion passed 21 to 12.

It was also moved to buy another ICE Bandpass Filter for Field Day for \$300. The motion passed on a voice vote.

John, N0HZN will be making a big purchase of Anderson Power Poles for those who are interested.

Powerpoles are the standard connector for ARES, so it makes it easy for us to swap equipment around as needed.

Respectfully Submitted

K0RGR - Bill Osler - Secretary

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**ROCHESTER AMATEUR RADIO CLUB, INC.**  
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## RARC Meeting Minutes - July 2007

Minutes - July 10, 2007 - RARC

The meeting was called to order at 7 p.m. by President Dave Naatz KØVH

Treasurer Bob, KCØGND, offered this report:

### **Treasurer's Report: Tuesday, July 10, 2007**

Checking \$1254.81

Savings \$1785.53

CD @ 3.39% \$4244.21(note 1)

Cash \$20.00

**Total \$7304.50**

**Secretary:** The minutes for the last three meetings were approved as posted on the web site.

### **Technical Committee:**

- EchoLink is down for several reasons
- The .82 antenna has been installed and the hardline to the antenna has been checked

### **Programs:**

- Kari Ann was not able to attend, but asked KØVH to mention the club picnic in August.
- Pat Cahill will present the Field Day report for tonight's program

**Public Service:** We have a Biathlon and a Triathlon coming up - check the .82 repeater on the Sunday night net for details

**ARES:** Bob is looking for ARES members, you can register on the RARC website. They are also seeking net control operators for the Sunday night net, and John , NØHZN is looking for MEDARES volunteers.

**SKYWARN:** The SKYWARN net will be bimonthly on the 1st and 3rd Monday of each month on the .255 repeater. SKYWARN maps are available. Sgt. Turk is starting to work directly with us and finds us quite professional. The Board voted to give Sgt. Turk a complimentary membership for his efforts with SKYWARN. Send SKYWARN pictures to WØSTV. The preamble for the net is missing from the website.

**Contests:** KØMD has been working lots of DX - the IARU contest is this Saturday. We are in Zone 7.

**BPL:** Mel KCØP reports nothing new

**Old Business:** Both Pat and Peter purchased bandpass filters, which were used at Field Day. The club voted to reimburse Pat as well as Peter for the filters at a price of \$301.50. KCØWIJ is going into the National Guard at Ft. Sill, OK and will be gone until February.

**New Business:** The August meeting will be on 8/14 at 6 p.m. at Oxbow Park. This will be our annual club picnic. This year, Kari Ann and Bob are also planning a foxhunt. WØVLZ is trying to help sell the equipment of WØJED, including a tower which is free for the taking and a vintage high power amplifier - a Hallicrafter's. He also has some other gear for sale from Pat's garage including an HT-37. John Reed's videos are on the web on YouTube, and are getting a lot of hits. KØVH is looking for volunteers to help with College for Kids the first week of August.

Sgt. Jon Turk and Joel Hanson KDØAFF congratulated the club for their good work with the Rochesterfest Parade and the SKYWARN event last weekend. Thanks to our efforts, the police department was able to evacuate an outdoor concert with 6,000 spectators without any incidents prior to the thunderstorms arriving. They were able to let the concert go on as long as possible, thanks to the remote observers.

The meeting was adjourned at 7:30 p.m.

Respectfully Submitted  
Bill Osler, KØRGR, Secretary

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**ROCHESTER AMATEUR RADIO CLUB, INC.**  
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## RARC Meeting Minutes - September 2007

### RARC Meeting Minutes – September 11, 2007

The meeting was called to order a 7:00 pm. By President Dave Naatz KØVH

#### Treasurer's report:

Checking \$176.52  
Savings \$1785.67  
CD @ 3.39% \$4244.21  
Cash \$20.00  
**Total \$6226.40**

**Membership:** 107

**Secretary:** No report (Note: Our secretary, Bill KØRGR suffered an injury.)

President Dave called for a moment of silence in memory of 9/11.

President Dave called for a roll call of names and station ID.

A collection of old photos and QSL cards was circulated among those present.

#### Committee Reports:

**Tech:** Rob KCØFOW - No meeting this month.

**Programs:** Kari Ann KCØWIP Ham radio in China by Scott KØMD  
ARES flood response Bob ABØBW

**Public service:** No report – no more activity for the year.

**ARES:** Bob ABØBW part of tonights program.

**EOC:** Steve WØSTV reported that Sheriff Sgt. Terry Waletzky is at the EOC. He replaced Capt. Joe Loftus.

**RED CROSS:** David VanderMolen AI4VF from Elizabethtown, KY. Reported on the activities of the Red Cross in relation to the SE Minnesota floods and the interface with Ham radio.

**CONTESTS:** Discussion on openings on 6 and 2 meters.

**BPL:** Mel KCØP reported that RPU is still trying to get funding from the City Council for a BPL project.

**OLD BUSINESS:** None

**NEW BUSINESS:** Nominating committee for club officers:

Steve WØSTV, Rob KCØFOW, and Don KCØQGB were appointed to this committee.

Kari Ann KCØWIP and Scott KØMD presented a proposed School Ham Radio Club that could be setup at Century HS and Schaeffer Academy There would be a need for RARC volunteers and equipment to help startup these clubs.

A motion was made and seconded that the club deploy the Kenwood TS-820 transceiver to Schaeffer Academy for their Ham Radio Station. The motion passed.

**THE MEETING ADJOURNED AT 7:46 PM**

**Submitted by:**

**Charlie Pederson, WØTAX**

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**ROCHESTER AMATEUR RADIO CLUB, INC.**  
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## RARC Meeting Minutes – October 2007

The October meeting of the Rochester Amateur Radio Club was called to order by President Dave Naatz, KØVH, at 7:00p.m., October 9<sup>th</sup>, 2007.

### Treasurer's Report: Tuesday, October 09, 2007

Checking	\$207.81
Savings	\$1785.71
CD @ 3.39% (note 1)	\$4244.21
Cash	\$20.00
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<b>Total</b>	<b>\$5957.73</b>

### Transactions this period:

Salvage sales	+\$38.00
Donations	+\$36.60
Interest	+\$0.04
Qwest	-\$16.31
Fire-Theft Insurance	-\$237.00
RPU 4Q07	-\$90.00

Notes: 1 - CD is repeater reserve funds

Bob Hart indicated that the budget will need to be managed well as the reserves are low. As of right now, we're projected to have \$600 in the "General Fund" for next year.

Discussion on the IBM grant was held, and Dave KØVH volunteered to contact Bob Osterlin to investigate eligibility.

**Membership status:** 107 club members

Dave began the round the room introductions.

### Minutes:

A discussion was held on the September 2007 minutes, with corrections made.

- Questions on the nominating committee, WØSTV Chair, KCØQGP, KCØFOW make up the nominating committee.
- There was also a correction to the minutes about the changes at the EOC, the minutes

amended to show that Sgt Waletzky replaced Capt. Joe Loftus.  
With the above changes, the September 2007 minutes were approved.

### Committee reports:

- **Technical committee** – Rob –KCØFOW
  - Did not meet this month.
  - Echo link will be inactive for the near future. KØRGR needs to rearrange his equipment before Echo link will return.
  - It was report that Bill is recuperating from his knee injury.
- **Programs** – KariAnn – KCØWIP
  - Radio City is coming down, with the subject of how to get started in Ham Radio for under \$100.
  - Batteries Plus is also going to join us for the second part of the program.
  - December will be the Christmas Party.
- **Public Service** – No report
- **ARES** – Bob ABØBW
  - Bob would like to get our communication from Rushford better. There was some discussion on the possibilities of a crossband repeater to help out.
  - Bob discussed [www.wxspots.com](http://www.wxspots.com) <<http://www.wxspots.com/>>, and he is looking at this as another way to communicate weather spots.
- **EOC** – Rob KCØFOW
  - 145.67 packet node is up and running.
- **Contests** – No report

There was discussion on some of the HF contacts made on low power international contacts.

Field day – The reports should be online in early November.

The Field day planning will be starting soon. There is a desire to make sure that there are more station operating positions for the new hams.

- **Nominating Committee** – Rob is looking for volunteers. If you have a desire to serve, contact any one of the nominating committee.

### Old Business:

### New Business:

- Scott, KØMD reported on the club station preparations at Schaeffer Academy. It will be on the air next Monday for the ARRL School Roundup.
- Scott asked for some financial support for Coax and miscellaneous antenna equipment. Scott is working on a club call sign for the Schaeffer club.
- The School Paper is doing a story on the club station. It looks to be coming together quite well.
- There is also some work going on with Century High School to establish a station there. There is now a room that is available, it was a broadcast space. KariAnn is spearheading this effort.

- Dave brought up the donated equipment, a Drake SPR-4 receiver. Neil Wiegand has offered \$405 dollars for that unit. Dave made a motion to sell the SPR-4 to Neil for \$405, and to designate the funds towards equipping the student club stations. The motion was seconded by Scott Wright. The motion passed.

The meeting was then adjourned.

Respectfully, Pat Cahill, NØADQ

**Program:**

ACØW Bill from Austin MN a leader in our MN Wireless southern district was our featured speaker with a program on Contesting.

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## RARC Meeting Minutes – November 2007

The November meeting of the Rochester Amateur Radio Club was called to order by President Dave Naatz, KØVH, at 7:02 p.m., November 13<sup>th</sup>, 2007. at Schaeffer Academy school. There were 48 members present.

Dave began the round the room introductions.

Eric WBØNIU introduced himself and Lance KBØYJU from Winona. He mentioned that they want to do some work on their infrastructure in Winona and attended the meeting to get a dialog going with us to help ensure that we all work together.

### Meeting Minutes:

The October 2007 meeting minutes were approved.

### Treasurer's Report: Tuesday, November 13, 2007

Checking	\$758.12
Savings	\$1485.72
CD @ 3.39% (note 1)	\$4244.21
Cash	\$20.00
-----	
<b>Total</b>	<b>\$6508.05</b>

### Transactions this period:

Salvage sales	+\$405.00
Donations	+\$36.60
Interest	+\$0.01
2008 Dues	-\$125.00
Qwest	-\$16.29

IBM Grant of \$980.00 in hand, but not yet deposited.

Notes: 1 - CD is repeater reserve funds

**Membership status:** 112 club members

### **School club updates:**

- Eric KFØS, Bob NØEST, and Dave KØVH applied for grant money from IBM. We received a \$980 cash grant to support a club station at a Rochester school.
- Scott KØMD obtained the call sign of KDØBZG for the Schaeffer Academy school station. He is applying for a vanity call sign of WØSAA for the club.
- Scott KØMD talked about the ARRL School Club Roundup results. Bill NØNUV proctored the students who worked a dozen states. The round up log will be posted on the web site.
- A station from NASA wants to setup a contact at Schaeffer Academy with a classroom. The school station also has plans to talk to the space station in the near future.
- Bobby KCØNXB has the longest contact for the school so far. That was to Lithuania using 100 watts with the school's vertical antenna.
- Doug KDØUGB reported that the Century school station is still work in progress.

### **Committee reports:**

- **Technical committee** – Rob KCØFOW
  - Did not meet this month, and will not meet in December.
- **Programs** – KariAnn KCØWIP
  - The November program is presented by Dan from Radio City. He is presenting D-STAR and how to ham on a low budget.
  - Batteries Plus could not join us for the second part of the program, but did leave some product catalogs. Stop in to Batteries Plus and talk to Rick if you have questions. RARC members receive a minimum 10% discount at Batteries Plus.
  - The December program will be the Holiday Party. A motion was made that the Holiday Party be held at KariAnn and Bob's house this year. The motion was seconded and it passed. The Holiday Party will be held at 7:00 p.m., December 11th, at KariAnn and Bob's house. More information will be available on the club web site.
- **Nominating Committee** – Steve WØSTV
  - Steve announced the nominees for the 2008 club officer positions:

President	KariAnn Wiles
Vice President	Stan Cram
Treasurer	Bob Hart, Dave Seavy, John Scott
Secretary	Daryl Mowrer

Scott Wright was nominated for Secretary but withdrew his name.

- Elections will be held at the December business meeting. If you have a desire to serve, contact any one of the nominating committee.
- **Public Service** – John NØHZN
  - Frozen Goose Relay coming up in February.
  - We have a date for the Diabetes Tour de Cure.
  - More information to follow on the web site.
- **EOC** – Steve WØSTV
  - Jon Turk has left and moved back to the city.
  - The city is looking at having their own internal EOC for the city of Rochester. The city council is reviewing. The proposal is that Jon Turk would be the city's EOC director. The county would have their own EOC.

- Mike Bromberg is currently the assistant director at the EOC along with Captain Terry Waletzki. They are asking Steve for requests for next year.
- Channel One antenna is in.
- Public Health building station is up and running.
- **ARES** – Bob ABØBW
  - Bob needs to regenerate the Sunday ARES net control operator schedule. See Bob if you would like to be a net control operator.
- **Contests** – Dave KØVH and Scott KØMD
  - Sweepstakes Sideband this weekend (Nov 17, 18).
  - Some RARC members received 10 Meter contest awards from the ARRL. K4IU, KØUH, and KØVH
  - CQ CW at the end of the month.
  - ARRL 10 Meter Contest coming in December.

### **New Business:**

- Don KCØQGB reported that his son, Brian KCØWIJ, has completed basic training for the Army Reserve, and is now in San Antonio getting his AIT training. He will be back visiting for Christmas, and will be back permanently in March. Brian says "Hi!" to everyone.
- Stan KDØBQ asked if there was any interest in running low band 75 Meter or 160 Meter phone in the evenings locally in addition to the 10-Meter net. It's a nice quiet band to work in the winter and it can provide some opportunity for some good local communications.
- Scott KØMD suggested that we think about opening the school station for the 10 Meter contest. Maybe we could get some adult club members who are HF hams to proctor them since most of the students are Technician class.
- Mike KCØVIN announced that he has developed a very small self-contained GPS device that will operate with the Kenwood D710 and D700 radios. He is looking for someone with experience in injection molding to help with the packaging of the device.
- The Winona club is considering running a fox hunt the Saturday after Thanksgiving right after their 8:30 a.m. breakfast. Use the Winona 146.64 repeater for talk-in. Everyone is invited.
- Jerry Nau from College for Kids said thanks to everyone in the club for helping out with College for Kids with our donation of money. The money we donated helped out at least two or three students last year. Jerry shared class catalogs, brochures, and pictures from last year's sessions. He also provided cake, coffee, apple juice, and soda during our meeting break before the program.

The meeting was then adjourned at 7:38 p.m..

Respectfully submitted, Daryl Mowrer, ACØID

### **Program:**

The program started with the break which included refreshments from Jerry Nau and College for Kids. During the break, club members browsed the display offered by Radio City on ham for those on a lower budget. Club members also enjoyed touring the Schaeffer Academy school club station. The program then began with Scott KØMD presenting the 2007 Field Day results. Dan from Radio City then gave an interesting presentation on D-STAR. The program ended with a dedication of a new ICOM 718 HF radio for the Schaeffer Academy school club.

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**ROCHESTER AMATEUR RADIO CLUB, INC.**  
P. O. BOX 1, ROCHESTER, MN 55903

## RARC Meeting Minutes – December 2007

Meeting Date: 12/11/07 Start time was approximately 7:30pm

The RARC Annual Holiday Meeting was held at the Wiles' home in NE Rochester. Approximately 40 members/guests were in attendance.

No old business was discussed and there were no committee reports presented.

An election for officers was held by written ballot. The following officers were selected by the RARC membership:

Secretary: Daryl Mowrer ACØID  
Treasurer: Bob Hart KCØGND  
V. P. Stan Cram KDØBQ  
Pres. KariAnn Wiles KCØWIP

Upon the conclusion of the election, KØVH handed over the gavel to the incoming president and thanked the club for their participation throughout 2007.

The business meeting was concluded at 7:45 and the evening proceeded with a holiday program that included a slide show and discussion on RARC's programs in 2007.

Submitted by KariAnn KCØWIP

### Treasurer's Report: Tuesday, December 11, 2007

Checking	\$1215.82
Savings	\$1485.73
CD @ 3.39% (note 1)	\$4244.21
Cash	\$20.00
-----	
<b>Total</b>	<b>\$6965.76</b>

### Transactions this period:

2008 Dues	+\$255.00
IBM Grant	+\$980.00
Donations	+\$36.60
Interest	+\$0.01
Radio City	-\$734.74

Qwest	-\$16.33
PO Box #1	-\$56.00
Office Supplies:QSL Cards	-\$6.83

**Membership status:** 112 club members (22 paid for 2008)

Respectfully submitted,

*Bob*

Bob KCØGND  
RARC Treasurer

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**ROCHESTER AMATEUR RADIO CLUB, INC.**  
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## RARC Meeting Minutes - January 2006

The January meeting of the Rochester Amateur Radio Club was called to order at 7:02pm, Tuesday 1/10/06, by President Eric Van Norman (KFØS), with 34 members and guests present.

### Reports

- **Meeting Minutes**

November and December minutes were approved. The Treasurer's report was approved.

- **Treasurer's Report**

The treasurer's annual report is available to members on the web site.

Checking: \$ 1646.09

Savings: \$ 5782.33

Cash: \$ 20.00

Total: \$ 7448.42

Major transactions this period:

- 2006 Dues: +\$220.00
- RPU 1Q06: -\$60.00

### Committee Reports

- **Technical committee** - Rob (KCØFOW):

- There was no Tech Committee meeting this month.
- The .82 repeater amp is working, the .625 repeater squelch was turned up a bit and tones were put on. APRS and Echolink are functioning well.
- Wabasha will be getting an APRS node, and a UHF repeater.

- **Programs** - Bill (KØRGR):

- Tonight will be John Reed with short videos. February will be Kit Build Night. Get money to Bill for a Tiny Tracker, if you want to build one. Several other interesting small kits are available.

- **Membership** - John (KØKTY):

- Last year was a good one for the club, with 26 new members. Membership ended the year at 133. Lots of dues for 2006 remain unpaid.
- Another Technician class is coming up, March 4 and 11. This will be the 6th class in this format, with 31 people taking these classes so far. Running classes twice a year seems to work well, with VE exams 4 times per year. It would be nice to have a few more Volunteer Examiners available -- talk to Pat (NØADQ).
- The new ARES NCS 2006 schedule is on the web site. Also, there are pictures of Terry (WØVB)'s tower, in its new collapsed pretzel condition.

- **Public Service** - John (NØHZN):

- The Frozen Goose Relay will be February 4. Summer stuff is coming up. The John Beargrease Dogsled race will be January 28, and will use Echolink as Rx-only. You're welcome to listen in.

- **ARES** - Bob (ABØBW):

- Make sure you're registered for ARES, there is a form on the web site.
- The NCS list is updated. If you want to be a net control operator, let Bob know.

Anemometers are recommended for Skywarn, and a list of good choices is available. We will not be doing a group purchase -- get one on your own. The Skywarn training date is March 30.

- **Contests/DX** - Stew (WØSHL):
  - Lots of DX is on the air now, and lots of contests coming up. The ARRL VHF Sweepstakes is January 21.

### **New Business**

- Frank Karnauskas (N1UW), the Emergency Coordinator for the Section, presented Don (ADØF) with a Certificate of Appreciation.

The meeting was adjourned at 8:05 pm.

### **Program:**

The program was by John Reed, KØKTY, showing his latest short videos.

Submitted by Peter (N8MHD).

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**ROCHESTER AMATEUR RADIO CLUB, INC.**  
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## RARC Meeting Minutes - February 2006

The February meeting of the Rochester Amateur Radio Club was called to order at 7:02pm, Tuesday 2/14/06, by President Eric Van Norman (KFØS). There was a small turnout because of Valentine's Day.

- **Peter Wollan N8MHD has stepped down as Secretary of the RARC. Byron J. Watts (BJ) KC0NPF has been appointed as the new club Secretary.**

### Reports

- **Meeting Minutes**  
January minutes were approved. The Treasurer's report was approved.
- **Treasurer's Report**  
The treasurer's annual report is available to members on the web site.  
Checking: \$ 2030.05  
Savings: \$ 1782.87  
CD @ 3.92%: \$ 4000.00  
Cash: \$ 20.00  
Total: \$ 7832.92  
**Major transactions this period:**
  - **2006 Dues: +\$640.00**
  - **W0MXW-2 Radio: -179.98**
  - **Website -148.99**

### Committee Reports

- **Technical committee - Rob (KCØFOW):**
  - There was a Tech Committee meeting this month on Monday February 13.
  - The .625 phone line in (for repeater control) was down and will be repaired.
  - The club meeting is now on an automated announcement on the .820 machine at 15 minutes after the hour. It will be turned on 1 week before each club meeting.
  - .820 amp is still up (fingers crossed)
  - The digipeater repair is still in progress, a radio has been purchased as stated in the treasurer's report.
  - The Technical Committee is recommending a purchase of a Diamond SX-1000 Wattmeter for use by club members and at club events (aka field day). The motion passed.
  - Inventory: much of our equipment is currently stored in Pat N0ADQ's barn. The recent donation of several items to the club needs to be dealt with. These items include: SB220 - works, fixed fan EF Johnson KW MatchBox w/SWR - works Alinco 110 2 meter rig - works Heath Twoer - unknown Heath SB301 SB401 receiver transmitter pair - works - repaired 401 so it would tune the final SB630 station console - blows fuses, not had time to trouble shoot further SB 620 Scanalyzer - works SB610 Station Monitor - needs new on-off switch otherwise works HM102 SWR Wattmeter - repaired, works Heath SW 7800 Shortwave receiver - kind of works, but has a problem when warmed up HD10 keyer - unknown Knightkit KN2512 Grid Dip Meter - repaired power supply, rebuilt coil case,

**found and printed manual 48 foot Rohn HBX tower - top is rusty CDE Ham-M rotator - unknown Mosley CL-33 triband beam - N connector - looks in great shape - Same as the RARC Field Day antennas**

- **Many ways were discussed as to how to best dispose of this equipment, however it was left to the Tech committee to make the final decision**
- **No action was taken on IRLP this month.**
- **Programs - Bill (KØRGR):**
  - **Bill, KØRGR gave the meeting on Near Vertical Incidence Skywave propagation (NVIS) this month.**
  - **Next month's meeting will be on different propagation modes by Mel, KCØP.**
- **Membership - John (KØKTY):**
  - **2 more members tonight, there are now:**
  - **75 paid members**
  - **60 unpaid, now with suspended membership.**
  - **Another Technician class is coming up, March 4 and 11. We currently have 10 people signed up via Community Ed. This will be the 6th class in this format, with 31 people taking these classes so far.**
  - **Running classes twice a year seems to work well, with VE exams 4 times per year.**
  - **It would be nice to have a few more Volunteer Examiners available -- talk to Pat (NØADQ).**
- **Public Service - John (NØHZN):**
  - **The next scheduled event is the Med-City Marathon.**
- **ARES - Bob (ABØBW):**
  - **Registration for ARES is still online, make sure you have registered.**
  - **The NCS list is updated. If you want to be a net control operator, let Bob know.**
- **EOC - Steve (WØSTV):**
  - **We are still revamping, especially with the Med-Ares program. However, there will be no big changes in our setup/operation with the EOC**
  - **Anemometers are recommended for Skywarn, and a list of good choices is available. We will not be doing a group purchase -- get one on your own. The Skywarn training date is March 30.**
  - **John Turk is our liason into the EOC now that Dave Carr has retired.**
- **Contests/DX - Stew (WØSHL):**
  - **3y0X is on all bands and all modes. Work them while you can, this expedition doesn't happen very often!**
  - **SuitSat is getting really really weak.**

**The meeting was adjourned at 7:50 p.m.**

**Program:**

**The program was by Bill, KØRGR on NVIS.**

**Submitted by BJ (KCØNPF).**

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**ROCHESTER AMATEUR RADIO CLUB, INC.**  
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## RARC Meeting Minutes - March 2006

The February meeting of the Rochester Amateur Radio Club was called to order at 7:02pm, Tuesday 3/14/06, by President Eric Van Norman (KFØS). There were approx 30 members present.

A moment of silence was observed for John, K0KTY's passing.

- **Peter Wollan N8MHD has stepped down as Secretary of the RARC. Byron J. Watts (BJ) KC0NPF has been appointed as the new club Secretary.**

### Reports

- **Meeting Minutes**

February minutes approval was deferred until april meeting. The Treasurer's report was approved.

- **Treasurer's Report**

The treasurer's annual report is available to members on the web site.

Checking:	\$ 2256.92
Savings:	\$ 1783.05
CD @ 3.92%: \$ 4000.00 (self insurance of our most expensive equipment, namely repeaterS)	
Cash:	\$ 20.00
Total:	\$ 8059.97

Major transactions this period:

- 2006 Dues: +\$135
- Educ Cost: -91.48

### Committee Reports

- **Technical committee - Rob (KCØFOW):**

- There was a Tech Committee meeting this month on Monday March 13.
- The .625 phone line in (for repeater control) was down and has now been repaired.
- The Diamond SX-1000 Wattmeter is on its way and should be here soon.
- .820 amp is still up (fingers crossed)
- Inventory (announcement carried over from last month): much of our equipment is currently stored in Pat N0ADQ's barn. The recent donation of several items to the club needs to be dealt with. These items include: SB220 - works, fixed fan EF Johnson KW MatchBox w/SWR - works Alinco 110 2 meter rig - works Heath Twoer - unknown Heath SB301 SB401 receiver transmitter pair - works - repaired 401 so it would tune the final SB630 station console - blows fuses, not had time to trouble shoot further SB 620 Scanalyzer - works SB610 Station Monitor - needs new on-off switch otherwise works HM102 SWR Wattmeter - repaired, works Heath SW 7800 Shortwave receiver - kind of works, but has a problem when warmed up HD10 keyer - unknown Knightkit KN2512 Grid Dip Meter - repaired power supply, rebuilt coil case, found and printed manual 48 foot Rohn HBX tower - top is rusty CDE Ham-M rotator - unknown Mosley CL-33 triband beam - N connector - looks in great shape - Same as the RARC Field Day antennas
- Our Auction has been postponed because the April Club meeting program will be John Turk

from the EOC director of communications.

- No action was taken on IRLP this month.
- **Programs** - Bill (KØRGR):
  - Mel KC0P gave the program on advanced propagation principals this month.
  - Next month's meeting will be John Turk talking about the EOC's communications needs and skywarn.
- **Membership** - Brad (KC0QVH) this month KC0GND reports:
  - 3 more members tonight, there are now:
  - 83 paid members for 2006
  - unpaid members have suspended membership status.
- **Public Service** - John (NØHZN):
  - The next scheduled event is the Med-City Marathon.
  - There is a potential for new events this year, watch the website for details.
- **ARES** - Bob (ABØBW):
  - Registration for ARES is still online, make sure you have registered.
  - The NCS list is updated. If you want to be a net control operator, let Bob know.
  - Testing the radios at the hospitals, making sure they still work.
- **EOC** - Steve (W0STV):
  - We are still revamping, especially with the Med-Ares program. However, there will be no big changes in our setup/operation with the EOC.
  - Joe Loftus is now the head of the EOC with John Turk as communications director.
  - March 30 Skywarn meeting at diggers. Check the NWS website for more sessions if you missed this one.
  - Anemometers are recommended for Skywarn, and a list of good choices is available. We will not be doing a group purchase -- get one on your own.
  - Bill KØRGR will (did) coordinate a recruiting table at the Skywarn meeting.
- **BPL** - Mel Kc0P
  - New proposals for BPL are open until April 10.
  - another trial will be conducted in the same area if there are bids
  - The club is in the Request for Proposal
  - Mel might make measurements in Gafne, SC (spelling?) where the Corinex equipment is in use.
- **Contests/DX** - Stew (WØSHL):
  - the 10-10 group on March 18
  - CQWW Wpx SSB march 25-26
  - Spring Homebrew Sprint on March 27
  - Cosmonauts RK3dZB April 12 Aniversary Apr 10-16
  - W0IBM April 8, the IBM Qso party

The meeting was adjourned at 7:45 p.m.

### **Program:**

The Program this month was Mel KC0P and Advanced Propagation Modes.

Submitted by BJ (KC0NPF).

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**ROCHESTER AMATEUR RADIO CLUB, INC.**  
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## RARC Meeting Minutes - April 2006

The April meeting of the Rochester Amateur Radio Club was called to order at 7:03pm, Tuesday 4/11/06, by President Eric Van Norman (KFØS).

We welcomed 3 new members, KC0WIP, KC0WIJ, and KC0WJH

### Reports

- **Meeting Minutes**

The February and March meeting minutes were approved.

- **Treasurer's Report**

- Club members wishing to join the ARRL should join with the club. The club is allowed to take a \$15 donation and from the registration price and register you with the ARRL.

Checking:	\$ 2219.53
Savings:	\$ 1783.24
CD @ 3.92%: \$ 4000.00 (self insured repeater fund)	
Cash:	\$ 20.00
Total:	\$ 8022.77

Major transactions this period:

- 2006 Dues: +\$345.00
- Educ Income: +\$80.00
- Educ Cost: -\$77.24
- Web URL (5 years): -\$92.95
- RPU (2Q): -\$60

### Committee Reports

- **Technical committee** - Rob (KCØFOW):

- There was no tech committee meeting this month
- The Diamond SWR meter arrived

- **Programs** - Bill (KØRGR):

- Jon Turk gave a program on the EOC and our role as Ham Radio Operators in Olmsted County.
- Next month Niel W0VLZ will give a program on vintage homebrewed equipment.
- We need new ideas for meeting programs.
- Still not sure when the auction will be
- Bill also announced that there is a VHF contest in June and perhaps a few of us could do a rover?

- **Membership** - Bill (KØRGR):

- We welcomed 3 new callsigns to tonight's meeting

- **Public Service** - John (NØHZN):

- The next scheduled event is the Med-City Marathon. May 28th. Art KC0JKP will be coordinating again and we need 12-18 operators for this event. We also will need a new APRS

bicycle mobile operator.

- Tour de cure is June 3rd, the website needs (and probably has been) updated.
- Rochesterfest is field day weekend this year.
- There is a potential for new events this year, watch the website for details.
- **ARES** - Bob (ABØBW):
  - Registration for ARES is still online, make sure you have registered.
  - At the skywarn training meeting we had a callout and half the room left, nothing majorly interesting happened as far as the weather was concerned.
- **EOC** - Steve (WØSTV):
  - Nothing was presented because of the program for tonight (EOC by Jon Turk)
- **BPL** - Mel Kc0P
  - New proposals for BPL were turned in yesterday (April 10)
  - 1 bid, Hiawatha Broadband with Corinex equipment.
  - They intend to rely more on fiber optics and WiFi this time
  - There should be a downtown WiFi blanket if all goes as planned.
  - Houston Texas is a spot we looked at for evaluation.
- **Contests/DX** - Stew (WØSHL):
- **Other/New Business**
  - we need to get in the community ed system for our October class.
  - QST's available at club meetings for those who are interested.
  - Red river radio flyer was available
  - DMRAA hamfest announced.
  - Scholarships available.

The meeting was adjourned at 7:35 p.m.

### **Program:**

The Program this month was Jon Turk on the EOC

Submitted by BJ (KCONPF).

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**ROCHESTER AMATEUR RADIO CLUB, INC.**  
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## RARC Meeting Minutes - May 2006

The May meeting of the Rochester Amateur Radio Club was called to order at 6:59pm, Tuesday 5/9/06, by President Eric Van Norman (KFØS).

A thankyou note was mailed to N7EF, Don for his \$50 donation.

### Reports

- **Meeting Minutes**

The April Minutes were approved

- **Treasurer's Report**

Checking:	\$ 2127.82
Savings:	\$ 1783.43
CD @ 3.92%: \$ 4000.00 (self insured repeater fund)	
Cash:	\$ 20.00
Total:	\$ 7931.25

Major transactions this period:

- 2006 Dues: +\$65.00
- Donations: +\$124.20
- Test Equipment: -\$262.60 (Swr meter)

### Committee Reports

- **Technical committee** - Rob (KCØFOW):

- There was no tech committee meeting this month Due to Skywarn.
- There is a new repeater in Wabashaw on 146.745Mhz with a 136.5hz PL tone

- **Programs** - Bill (KØRGR):

- June: Field Day and Contest Strategies by N8MHD
- July: ?
- August: Club picnic
- September: Red cross class on Damage Assessment, take "Introduction to disaster" online first.

- **Membership** - Brad (KC0QVH):

- We recieved \$65 more in dues, next month there will be discussion on who takes over duties for membership

- **Public Service** - John (NØHZN):

- June 17 is the Y-ride, check the Event Calender.
- Rochesterfest is field day weekend this year, June 23rd.
- June 24 is the Quarry Hill Triathlon, supposed to be a very short event
- There is a potential for new events this year, watch the website for details.

- **ARES** - Bob (ABØBW):

- Make sure you're registered, registration available online

- **EOC** - Steve (W0STV):



The EOC is adding APRS and eventually ATV.

- The IMES van is not becoming a ham vehicle, instead some ham gear will go in the new EM-50
- **BPL** - Mel KC0P
  - The visit to Tx has been canceled
  - RPU looked, mostly 'vaporware'
  - There may be another trial in Rochester soon with Corinex/Motorola gear.
  - They rely more on fiber-optics and wifi.
  - Still not the "ARRL Approved" gear.
  - Homeplug compatible
- **Contests/DX** - Stew (WØSHL):
  - No contest/dx information available

### **Other/New Business**

- KORGR presented a cumulative 2m contest designed to get new Tech licensees to operate more. June 1 to Aug 31 was the time frame suggested. FM repeaters allowed, however there should be only voice contacts (at least in this category). Top 3 people may get trophies. Incoming echolink allowed. See rules on the website.

The meeting was adjourned at 7:29 p.m.

### **Program:**

The program this month was Neil W0VLZ on Vintage Homebrew

Submitted by BJ (KC0NPF).

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**ROCHESTER AMATEUR RADIO CLUB, INC.**  
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## RARC Meeting Minutes - June 2006

The June meeting of the Rochester Amateur Radio Club was called to order at 6:pm, Tuesday 6/13/06, by President Eric Van Norman (KFØS) at 7:02p.m.

### Reports

- **Meeting Minutes**

There were no minutes to approve.

- **Treasurer's Report**

Checking:	\$ 2278.11
Savings:	\$ 1783.62
CD @ 3.92%:	\$ 4000.00 (self insured repeater fund)
Cash:	\$ 20.00
Total:	\$ 8081.73

- Major transactions this period:

- 2006 Dues: +\$70.00
- Donations: +\$94.60
- Phone line: -\$16.31

- Eric, BJ & Bob have PO Box Keys.

### Committee Reports

- **Technical committee** - Rob (KCØFOW):

- The Tech committee met tonight before the meeting.
- The WOMXW-2 radio died and will need to be repaired, the TNC and power supply are insured.
- We need to provide a couple trackers for public service events.
- Motion to purchase 2 tiny trackers and 2 antennas for \$150 each, totaling \$300 carried.

- **Programs** - Bill (KØRGR):

- July: Harris HF Amplifiers
- August: Club picnic
- September: Red cross class on Damage Assessment, take "Introduction to disaster" online first.

- **Membership** - Bob (KC0GND):

- The job of membership has shifted to the Treasurer position.
- Recruiting is everyone's job.

- **Public Service** - John (NØHZN):

- June 17 is the Y-ride, this weekend.
- Rochesterfest is field day weekend this year, June 23rd.
- June 24 is the Quarry Hill Triathlon, supposed to be a very short event.
- The Holiday Inn Half Marathon and Centurion Bike events are coming up.
- There is a potential for new events this year, watch the website for details.

**ARES** - Bob (ABØBW):

- Your membership tags will expire at the end of this year.
- We can always use more net control operators for the Sunday night net.
- **EOC** - Steve (WØSTV):
  - There will be a drill on September 16, Saturday. This will be an FAA drill and we'll need at least 10 shadows on simplex. It will be an 8 hour event.
- **BPL** - Mel KCØP
  - There has been no local trial yet, we're still waiting for more information.
- **Contests/DX** - Stew (WØSHL):
  - There was a huge opening on 6m last weekend for the VHF contest.
  
- **Auction/FD**
  - There will be an auction at field day (which was decided for sure to be at Pat's house), flea market style "tailgate-swap" will also be allowed at field day.

**Other/New Business**

- KØRGR presented a cumulative 2m contest designed to get new Tech licensees to operate more. June 1 to Aug 31 was the time frame suggested. FM repeaters allowed, however there should be only voice contacts (at least in this category). Top 3 people may get trophies. Incoming echo-link allowed. See rules on the website.
- ARRL applications are available via the club, the advantage is that \$15 is donated to the club, then the club registers you with the ARRL.
- College for Kids asked for a donation again.
- A motion was made to donate \$300 to the program, it passed.
- Joe KBØRZW and Paul WDØGCP will move to St. Louis Missouri after field day.

The meeting was adjourned at 8:00 p.m.

**Program:**

The program this month was Brad AIØBP and Peter N8MHD on contest strategy and field day.

Submitted by BJ (KCONPF).

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**ROCHESTER AMATEUR RADIO CLUB, INC.**  
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## RARC Meeting Minutes - July 2006

The July meeting of the Rochester Amateur Radio Club was called to order at 7:01pm, Tuesday 7/11/06, by President Eric Van Norman (KFØS). There were approx 25 members present.

### Reports

- **Meeting Minutes**

The May Minutes were approved, the June minutes were not posted as of meeting time.

- **Treasurer's Report**

Checking:	\$ 2362.98
Savings:	\$ 1784.60
CD @ 3.92%: \$ 4000.00 (self insured repeater fund)	
Cash:	\$ 20.00
Total:	\$ 8167.58

Major transactions this period:

- Salvage Equipment Sales: +\$490.65
- Donations: -\$300
- Test Equipment: -\$127.04 Field Day (not all receipts in yet)

- **Membership** - Bob (KCØGND):

- Stands at 115 members this month

### Committee Reports

- **Technical committee** - Rob (KCØFOW):

- There was no tech committee meeting this month.

- **Programs** - Bill (KØRGR):

- July: Harris HF amplifiers
- August: Club picnic
- September: Red cross class on Damage Assessment, take "Introduction to disaster" online first. 2+ hour class, we'll have a short Business Meeting.

- **Public Service** - John (NØHZN):

- John NØHZN presented a newer reflective safety vest. We need 15 people to purchase in order to get the group rate.
- no events in July
- There is a potential for new events this year, watch the website for details.

- **ARES** - Bob (ABØBW):

- Make sure you're registered, registration available online
- There is a need for more net control operators for the sunday night ARES net.
- Your ARES ID cards expire at the end of this year. There will be new ones issued next year.

- **EOC** - Steve (WØSTV):

no report

- **BPL** - Mel KC0P
  - no report
- **Contests/DX** - Stew (WØSHL):
  - 6m was open last weekend, other than that no report.
- **Field Day** - Brad (AI0BP):
  - We're waiting on one last station log before we total the scores. Check the website.

### **Other/New Business**

- An e-mail from Eric was sent out to all club members. If you didn't get it, see Erick KF0S.
- The membership page has been updated.
- Batteries Plus gives RARC members a discount, show license and mention RARC membership.
- Bill K0RGR mentions that we might impliment a Mentorship program for incoming hams who take the RARC Technician class.
- Need more VE's Get Registered!
- lots of hams on the space station this time around

The meeting was adjourned at 7:21 p.m.

### **Program:**

The program this month was Neil W0VLZ on Vintage Homebrew

Submitted by BJ (KCONPF).

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## RARC Meeting Minutes - September 2006

The September meeting of the Rochester Amateur Radio Club was called to order at 7:00pm, Tuesday 9/12/06, by President Eric Van Norman (KFØS). There were approx 25 members present.

### Reports

- **Meeting Minutes**

The June and July Minutes were approved.

- **Treasurer's Report**

Checking:	\$ 1760.78
Savings:	\$ 1784.19
CD @ 3.92%:	\$ 4092.11 (self insured repeater fund)
Cash:	\$ 20.00
Total:	\$ 7657.08

Major transactions this period:

- Insurance (Equipment and Liability): -\$557.00
- Field Day: -\$142.26

- **Membership** - Bob (KC0GND):

- Stands at 115 members this month

### Committee Reports

- **Technical committee** - Rob (KCØFOW):

- The APRS radio is back. There was no charge since the damage was due to lightening and covered by insurance.

- **Programs** - Bill (KØRGR):

- September: Red Cross class on Damage Assessment
- October: Digital Update - Winlink - KØRGR
- November: More Out Of Amateur Radio For Less - AIØBP
- December: Holiday Party

- **Public Service** - John (NØHZN):

- John NØHZN distributed safety vests that were ordered.
- No events until Feb. Watch the website for details.

- **ARES** - Bob (ABØBW):

- Make sure you're registered, registration available online
- There is a need for more net control operators for the sunday night ARES net.
- Your ARES ID cards expire at the end of this year. There will be new ones issued next year.
- Looking for additional operators for upcoming FAA drill. Need a 5W HT and half and full day slots are available.

- **EOC** - Steve (WØSTV):

no report

- **BPL** - Mel KC0P
  - no report
- **Contests/DX** - Stew (WØSHL):
  - no report
  
- **Field Day** - Brad (AI0BP):
  - Results are posted on the website.

### **Other/New Business**

- Jerry Nau thanked the RARC for our contribution to College for Kids, and further discussed the College for Kids program. Jerry brought in photos of the program, and cake and coffee to show how appreciated our contribution was.
- Fall class may be cancelled. Currently we have only one person signed up at the Community Education office.

The meeting was adjourned at 7:17 p.m.

### **Program:**

The program this month was Linda from the Red Cross and the Red Cross' Disaster Assessment Workshop.

Submitted by Eric (KFØS).

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## RARC Meeting Minutes - October 2006

The October meeting of the Rochester Amateur Radio Club was called to order at 7:00pm, Tuesday 10/10/06, by President Eric Van Norman (KFØS). There were approx 28 members present.

### Reports

#### 1. Treasurer's Report

Checking:	\$ 1714.37
Savings:	\$ 1784.38
CD @ 5.00% (repeater fund):	\$ 4092.11
Cash:	<u>\$ 20.00</u>
Total:	\$ 7610.86

1. Major transactions this period:
  1. IBM United Way +44.80
  2. RP U(4Q) -\$75.00

#### • Membership - Bob (KCØGND):

1. Stands at 115 members this month

### Committee Reports

#### 1. Technical committee - Rob (KCØFOW):

1. The only issue noted is that the 146.82 repeater might have an issue with the antenna and wind. There has been an issue with coverage on the few of the Sunday evening nets.

#### 2. Programs - Bill (KØRGR):

1. October: Digital Update – Winlink, EchoLink, DStar– KØRGR
2. November: Brad Phelps, AIØBP, on "Doing More With Amateur Radio for Less"
3. December: Holiday party at Victoria's.

#### 3. Public Service - John (NØHZN):

1. No events until Feb. Watch the website for details.

#### 4. ARES - Bob (ABØBW):

1. Make sure you're registered, registration available online
2. Your ARES ID cards expire at the end of this year. There will be new ones issued next year.
3. The FAA drill went well. Some clitches with radio equipment.

#### 5. EOC - Steve (WØSTV):

1. During the FAA Drill debrief, ARES and Amateur Radio was given a thumbs up.
2. The EOC is currently being rebuilt from the floor up. Hopefully by the end of the year, there will be a second copy of the downtown EOC which can be used as backup.
3. The IAMS van has been decommissioned and is being converted for the Dive team.

### Other/New Business

1. 2m RARC contest results:

KCØGND - Most FM Contacts

KCØEEU - 2nd most QSOs

KCØQGB - 3rd most QSOs

KØVH - Honorable mention

NØMGY - Longest FM Contact (~80 miles)

AIØBP - Longest Unlimited Contact (~1046 miles)

2. Current plans are for a Sping class on the Saturdays of March 3 and 10.

The meeting was adjourned at 7:14 p.m.

**Program:**

The program this month was Bill, KØRGR giving a Digital Update – Winlink, EchoLink, DStar.

Submitted by Eric (KFØS).

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## RARC Meeting Minutes - November 2006

The November meeting of the Rochester Amateur Radio Club was called to order at 7:00pm, Tuesday 11/14/06, by President Eric Van Norman (KFØS). There were approximately 25 members present.

### Reports

#### 1. Treasurer's Report

Checking:	\$ 1653.13
Savings:	\$ 1784.57
CD @ 5.00% ( repeater fund) :	\$ 4092.11
Cash:	<u>\$ 85.00</u>
Total:	\$ 7614.81

Major transactions this period:

2007 Dues	+\$50.00
FM Contest Prizes	-\$65.87

#### • Membership - Bob (KCØGND):

1. Stands at 115 members this month
2. 2007 dues can be paid. They are delinquent on December 31, 2006. They can be paid tonight, at the Annual Meeting or via club mail.

### Committee Reports

#### 1. Programs - Bill (KØRGR):

1. November: Brad Phelps, AIØBP, on "Doing More With Amateur Radio for Less"
2. December: Holiday party at Victoria's - 6:30 p.m.
3. Discussion on another 2-meter contest this winter.

#### 2. Technical committee - Rob (KCØFOW):

1. There is a plan to reload configuration and speed-dial numbers on the 82 and 625 repeaters.
2. Discussion and motion passed to purchase a CBA II battery analyzer.
3. Discussion and motion passed to purchase a MFJ 269 antenna analyzer.
4. List equipment available for checkout on the web.

#### 3. ARES - Bob (ABØBW):

1. Make sure you're registered, registration available online
2. Your ARES ID cards expire at the end of this year. There will be new ones issued next year.
3. If you would like to be added to the ARES Net control stations contact Bob.

#### 4. EOC - Steve (WØSTV):

1. The EOC is currently being rebuilt from the floor up. Hopefully by the end of the year, there will be a second copy of the downtown EOC which can be used as backup. A possible program next year will be a tour of the new facility.
2. The 145.67 node has been moved to a water tower by the Event Center.

## **Other/New Business**

1. Current plans are for a Spring class on the Saturdays of March 3 and 10.
2. The nominating committee has been busy and the following slate of candidates was presented.

Elections will be held at the Annual Meeting on December 12<sup>th</sup>.

1. President, Dave Naatz, KØVH
2. Vice-President, KariAnn Wiles, KCØWIP
3. Treasurer, Bob Hart, KCØGND
4. Secretary, Dave Seavey, KCØUCN

The meeting was adjourned at 7:28 p.m.

## **Program:**

The program this month was Brad Phelps, AIØBP, on video discussing "Doing More with Amateur Radio for Less"

Submitted by Eric (KFØS).

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## RARC Meeting Minutes - December 2006

The December meeting of the Rochester Amateur Radio Club was the Annual Holiday Party and was held at Vitctoria's restaurant on Tuesday, December 12, 2006. The business meeting was called to order by President Eric Van Norman (KFØS) at 7:00 p.m. There were approximately 40 members and guests present.

### Reports

- **Treasurer's Report** - Bob (KCØGND)

Checking:	\$ 2010.76
Savings:	\$ 1784.76
CD @ 5.00%: (self insured repeater fund)	\$ 4092.11
Cash:	\$ 20.00
Total:	\$ 7907.63

Major transactions this period:

2007 Dues	+\$340.00
PO Box #1 fees	-\$50.00

- **Membership** - Bob (KCØGND):

- Stands at 118 members this month. 21 members paid for 2007.
- 2007 dues can be paid. They are delinquent on December 31, 2006. They can be paid tonight or via club mail.

### Election of Officers

- The slate of candidates were elected unanimously:
  - President, Dave Naatz, KØVH
  - Vice-President, KariAnn Wiles, KCØWIP
  - Treasurer, Bob Hart, KCØGND
  - Secretary, Bill Osler, KØRGR

### New Business

- Dick Redmond, WA4EJJ, is planning to start a 10m net in 2007. This net would be in the Technician part of the band, possibly around 28.315. Look for more announcements in the near future.
- Roger Kroupa, WBØISF, discussed having an indoor swapfest during February or March in the old Pawn America building on S Broadway. He is pursuing a date and getting the building.

The meeting was adjourned at 7:05 p.m.

Submitted by Eric (KFØS).

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## RARC Meeting Minutes - January 2005

The October meeting of the Rochester Amateur Radio Club was called to order at 7:00pm, Tuesday 1/11/05, by President Eric Van Norman (KFØS), with 35 members and guests present.

### Reports

- December minutes were approved. October and November minutes were also approved, if they hadn't been before.
- Treasurer's Report by Bob (KCØGND): The annual report was posted on the web site, and a summary will be placed in next month's minutes.

### Committee Reports

- **Technical committee** - Rob (KCØFOW):
  - Stew (WØSHL) has resigned as chair of the Tech Committee. Rob (KCØFOW) is the new chair. Meetings will continue to be the Monday before the monthly Tuesday meeting, at 7:00pm at the Red Cross building.
- **BPL** - Fred (K4IU):
  - A new announcement from RPU appeared December 10. It is hard to interpret, but may indicate that deployment has stalled out.
- **Membership** - John (KØKTY):
  - We have a new member, which brings the membership total to 124. Only half have paid this year's dues.
  - A membership interest survey is on the web, or can be filled out on paper and sent in. Results will be presented next month.
  - The next Technician class is coming up in February.
- **Public Service** - John (NØHZN):
  - The Frozen Goose Relay will be February 5, and 5 or so people are needed for it. After that, the normal schedule follows, starting with the Tour de Cure. The schedule of events for the next several months is on the web site.
- **DX** - Stew (WØSHL):
  - Lots of Dx is available, but some is now shut down, doing emergency communications for the Indian government. They may be able to operate again later.
  - In 2004, 240 countries were reported on the air.
- **ARES** - Bob (ABØBW):
  - Bob (ABØBW) is the new EC. AEC's are needed for Mayo and OMC.

### Old Business:

- Milk bottle tops from Kwik Trip are still being collected -- bring them in.
- A group is gathering at Mel's QTH for the ARRL Phone Sweepstakes.

### New Business:

- Can we get a team together for the VHF Sweepstakes?
- Kit Build Night will be held on a Thursday night in February or March, probably at the Red Cross

building.

The meeting was adjourned at 7:47pm.

**Program:**

Brad Phelps (KCØQVH) presented a program on J-pole antennas.

Submitted by Peter (N8MHD).

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## RARC Meeting Minutes - February 2005

The February meeting of the Rochester Amateur Radio Club was called to order at 7:00pm, Tuesday 2/8/05, by President Eric Van Norman (KFØS), with 31 members and guests present.

### Reports

- January minutes were approved.
- Treasurer's Report by Bob (KCØGND): The annual report was posted on the web site, and a summary will be placed in next month's minutes.

Checking: \$ 1903.60

Savings: \$ 5772.20

Cash: \$ 20.00

Total: \$ 7695.80

Major transactions this period:

- 2005 Dues: +\$550.00
- Web Site - host: -\$149.00

- Summary of Financial Annual Report for 2004, by Bob (KCØGND):

Total Inflow: \$ 6983.31

Total Outflow: \$ 3524.35

Net worth as of 12/31/04: \$ 7259.46

### Committee Reports

- **Technical committee** - Rob (KCØFOW): there was no meeting this month.
- **BPL** - John (KØKTY), Bill (KØRGR):
  - ARRL has petitioned FCC to withdraw its approval of BPL. On the other hand, Duke Power has asked to put BPL on every pole, at public expense. In Rochester, the original vendor has been dropped, and the current candidate supplier is not willing to allow a trial -- they require a full roll out, which is a major expense. RPU has not requested the money to begin that rollout.
- **Membership** - John (KØKTY):
  - We have 75 members paid, 51 not yet paid, and one new member. Two are interested in the upcoming license class.
  - The member survey: there are some interesting results, described on the web site.
- **Public Service** - Bob (KCØGND):

The Frozen Goose Relay was February 5, and 6 club members supported it. The Polar Bear Plunge is next weekend.
- **DX** - Stew (WØSHL):
  - The Peter I Island (Antarctica) DXpedition will be leaving soon. [update: the DXpedition ran into major transportation foulups, and is postponed till next year.]
  - The ARRL WWDX is coming up in March.
- **ARES** - Don (ADØF), Bob (ABØBW):
  - A Plaque was presented to Steve (WØSTV) for his 8 years of excellent work for ARES.

AECs for Olmsted County are still needed.

- More participation is needed on the Sunday night net. Submit ideas for things that would interest you.
- ARES IDs have expired. The EOC has a new ID system. Some weekend soon new IDs will be made.

#### **Old Business:**

- SK: Richard Ehrick, who acted as the club's attorney for many years. He was 85.
- The Kit Building Night is coming up. It is now scheduled for March 17, but may need to be changed to the week before or after.

#### **New Business:**

- There will be an auction February 13 in Eau Claire, by the Red Cedar Repeater Club.
- There will be a Hamfest April 16 in Faribault, and a Hamfest February 26 in St. Cloud, see the web site for information.

The meeting was adjourned at 7:45pm.

#### **Program:**

John Reed (KØKTY) presented a program on RF Safety.

Submitted by Peter (N8MHD).

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## RARC Meeting Minutes - March 2005

The March meeting of the Rochester Amateur Radio Club was called to order at 7:00pm, Tuesday 3/8/05, by President Eric Van Norman (KFØS), with 37 members and guests present.

### Reports

- February minutes were approved.
- Treasurer's Report by Bob (KCØGND): Form 990 was filed as requested by the IRS, with the help of Charlie WØTAX.

Checking: \$ 2097.93

Savings: \$ 5773.17

Cash: \$ 20.00

Total: \$ 7891.10

Major transactions this period:

- 2005 Dues: +\$160.00
- IBM United Way: +50.40

### Committee Reports

- **Technical committee** - Rob (KCØFOW):
  - The 82 repeater will be taken down to put on the weather station, and to program. While it is down, it will be replaced by the old one.
  - Pat (NØADQ) is resigning from the committee, and will be replaced by Brad (KCØQVH).
  - The digipeater will be getting a replacement antenna, by July.
- **BPL** - Mel (KCØP), Fred (K4IU):
  - Phase 1 is concluded. The original hardware company has been dropped, and replaced by Home Plug. There will be a meeting March 1 with RPU. Mel will be going to Cincinnati for discussions. The proposed new system seems to be reasonably ok as far as RFI is concerned. ARRL will probably take the FCC to court over its handling of BPL.
- **Membership** - John (KØKTY):
  - We have 127 members, 82 paid for 2005. The Technician class last month had 9 students, and there will be an exam this Thursday, so there are 8 new hams on the way (one is renewing). This was the third class to run, and there will probably be another in September.
  - The web site is 10 years old, almost. It replaced monthly mailed fliers. In February, it had 19000 hits, and seems to be used a lot by outsiders looking for specific information. Remember to tell John if you see something that needs fixing.
- **Public Service** - John (NØHZN):
  - The Med City marathon is May 29, Diabetes Tour de Cure June 4, Rochester Y Ride June 18. MS rides through Minnesota are coming near here May 7, June 11-12, and June 24-29.
  - This is John's last year as Public Service Chair.
- **DX** - Stew (WØSHL):



Swain Island is active, as is 4U1UN (the UN site in New York). There are 339 DX "entities" now.

- There are at least 30 contests running in March.
- **ARES** - Bob (ABØBW):
  - Skywarn class is Mar 24.
  - The ARES directory needs to be updated, there is a form on the website. Fill it out to provide your current information.

### **New Business:**

- Bob (ABØBW) has a camping reservation for Dayton, and is looking for 1 more person, May 19 through May 22.
- Grant (KCØJOO) reports that the police will be switching to a trunking communication system, and has a contact who is willing to give a presentation to the club.

The meeting was adjourned at 7:58pm.

### **Program:**

Dave Naatz (KØVH) and Peter Wollan (N8MHD) presented a program on QRP Operating and Elecraft Radios.

Submitted by Peter (N8MHD).

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## RARC Meeting Minutes - April 2005

The April meeting of the Rochester Amateur Radio Club was called to order at 7:00pm, Tuesday 4/12/05, by President Eric Van Norman (KFØS), with 34 members and guests present.

### Reports

- March minutes were deferred, because of a question about which month's treasurer's report had been included.
- Treasurer's Report by Bob (KCØGND):  
Checking: \$ 2596.67  
Savings: \$ 5774.06  
Cash: \$ 20.00  
Total: \$ 8390.73  
Major transactions this period:
  - 2005 Dues: +\$505.00
  - IBM United Way: +50.60
  - RPU (2Q05 pre-pay): -\$51.00

### Committee Reports

- **Technical committee** - Rob (KCØFOW):
  - There was no meeting this month.
  - The repeaters are all fine. The old 82 repeater was swapped in, and is not great but is working. The temperature monitor is being installed.
  - A cleaning party is needed for the 82 repeater site. It will be announced on the Sunday night net when it gets scheduled.
- **BPL** - Mel (KCØP):
  - There will be a City Council meeting March 28. RPU has asked for bids, and the plan is that RPU will get a fee for pole usage and the successful bidder will pay for everything. An alternative to BPL is WiFi, and we can ask our council representatives to go this route instead, like Madison or the Minneapolis suburbs.
- **Membership** - John (KØKTY):
  - We have 12 new members, and 138 total (but 27 remained unpaid at the end of March).
  - The next tech class will be October 1 and 8.
- **Public Service** - John (NØHZN):
  - The Med City marathon is May 29, and Art Daniels will be managing it. He will need 15-20 operators. Diabetes Tour de Cure June 4, Rochester Y Ride June 18. Check the web site for the schedule.
- **ARES** - Bob (ABØBW):
  - Many people have sent in forms for new membership cards. Pictures will be needed.
  - The Sunday night net needs control ops in the next few months.

### New Business:

Bob (ABØBW) is still looking for 1 more person to share at Dayton, May 19 through May 22.

The meeting was adjourned at 7:40pm.

**Program:**

This was Kit Building Night, organized by BJ (KCØNPF), and 8 builders had worked on a wide variety of kits starting at 5:30. Also, Bill (KØRGR) demonstrated how to assemble and solder a coax connector.

Submitted by Peter (N8MHD).

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## RARC Meeting Minutes - May 2005

The May meeting of the Rochester Amateur Radio Club was called to order at 7:00pm, Tuesday 5/10/05, by President Eric Van Norman (KFØS), with 37 members and guests present.

### Reports

- March minutes were approved as corrected, and April minutes were approved.
- Treasurer's Report by Bob (KCØGND):
  - Checking: \$ 2705.98
  - Savings: \$ 5775.04
  - Cash: \$ 20.00
  - Total: \$ 8501.02
- Major transactions this period:
  - 2005 Dues: +\$75.00
  - IBM United Way: +50.40

### Committee Reports

- **Technical committee** - Rob (KCØFOW):
  - The .82 repeater's power amp is fine. We are checking cabling.
  - Cleanup day: the door filter bracket is made, and needs to be mounted. We will announce on the Sunday night net when the cleanup day will be.
  - The .625 repeater is fine. We will ask Mayo to tweak it.
  - The WØMXW license renewal has arrived. The secretary has a copy.
  - We are looking for a digipeater site, north.
  - APRS has recommended discontinuing relay=wide.
  - We will discuss establishing an IRLP node.
- **Programs** - Bill (KØRGR):
  - Programs are set for the rest of the year. June will be Field Day, July trunked radios, August the club picnic ....
- **BPL** - Fred (K4IU):
  - It's been pretty quiet, nothing heard.
- **Membership** - John (KØKTY):
  - We have another renewing member, Ed WØOHU. Ed was once the Flyer editor.
  - We now have 115 members.
  - Some "for sale" items are showing up again for the web site classified page.
- **Public Service** - John (NØHZN):
  - The Med City marathon is May 29, and Art Daniels will be managing it. It is followed by the Tour de Cure, then the Wabasha bike race, then the Ride for the Y -- all on consecutive weekends. And then the Rochesterfest Parade. You're needed -- show up and help out, and have some fun along the way.
- **DX and Contesting** - Stew (WØSHL):
  - There are 4 Hungarians active in Lichtenstein; on 40 meters there is a South African, and Andorra, Georgia, Saudi Arabia are all active. And there are lots of contests this month.

**Announcement:**

- Jim KCØWVA has completed WAS. Congratulations!
- The doors to the Red Cross building will now be locked soon after the meeting starts. If you find yourself locked out, use the doorbell to ask to be let in.

**Old Business:** We are still collecting Kwik Trip milk bottle caps, to be redeemed for cash.

**New Business:**

- It was moved and passed that we decline the request for money from "College 4 Kids" pending more information.
- It was moved and passed that we contribute \$300 to Red Cross, in appreciation for all they do for us.

The meeting was adjourned at 7:50pm.

**Program:**

The program was an introduction to APRS, by Bob Hart KCØGND.

Submitted by Peter (N8MHD).

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**ROCHESTER AMATEUR RADIO CLUB, INC.**  
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## RARC Meeting Minutes - June 2005

The June meeting of the Rochester Amateur Radio Club was called to order at 7:00pm, Tuesday 6/14/05, by President Eric Van Norman (KFØS), with 32 members and guests present.

Erik presented a check for \$300 to Scott Palmer, Red Cross Development Director, in appreciation for all that Red Cross does for us.

### Reports

- May minutes were approved.
  - Treasurer's Report by Bob (KCØGND):
    - Checking: \$ 2805.49
    - Savings: \$ 5775.99
    - Cash: \$ 20.00
    - Total: \$ 8601.48
- Major transactions this period:
- 2005 Dues: +\$65.00
  - IBM United Way: +50.40

### Committee Reports

- **Technical committee** - Rob (KCØFOW) and John (NØHZN):
  - The .82 repeater sounds lousy, the amp is blowing line fuses. We are working on it.
  - Brad (KCØQVH) has checked out IRLP, which is like echolink, allowing access through radios only. Don (ADØF) would like amateur WiFi also. These will both be looked at further.
  - The WØMXW-2 digipeater will be moved to Plainview.
  - A repeater is going up in Wabasha, on 146.725.
  - Stew would like to resign from the Tech Committee. See Erik if you would like to be on it.
  - APRS has discontinued relay=wide. See the web site for what you need instead.
- **Programs** - Bill (KØRGR):
  - The picnic will be in August at Foster Arend park, bring your own meat and something to pass.
- **BPL** - Pat (NØADQ):
  - The Cincinnati trial has been delayed. Mel (KCØP) will be going there later this month.
- **Membership** - John (KØKTY):
  - We now have 119 members.
  - The web site classified section is getting more active again. It works, try it.
  - If you change your email address, tell John. Also tell John about calendar items you would like to have on the site.
- **Public Service** - John (NØHZN):
  - For last Saturday's bike race, we tested equipment on Friday night, and nothing worked. By race time things had been worked out, and it went well. The Ride for the Y is next

Saturday, the RochesterFest Parade Friday after, in August the Half-Marathon, and in September the Centurion.

- **ARES** - Bob (ABØBW):
  - An Emergency Preparation Exhibit and Demo will be June 21 (a week day), 9-12 at the Fairgrounds.
  - ID tags are available.
  - Skywarn: we have had two skywarn events, and have had more people coming out than were needed. We may get a group order together for anemometers and signs.
  - EOC: Steve (WØSTV) is the new EOC director. He needs 10 people for operations. ARES is linked, but you can't be both EOC and ARES.
  - Section: Don (ADØF) reports there are openings for CERT instructors. Watch for the Simulated Emergency Test in October.
- **DX and Contesting** - Stew (WØSHL):
  - St. Paul Island, CY9S (off the North-East coast of Canada), is on the air, as are Sudan, Ascension, and many others. This weekend is a UHF/VHF contest, June 20 the Run for the Bacon, and then Field Day.

The meeting was adjourned at 7:44pm.

### **Program:**

The program was by Pat Cahill, NØADQ, who described plans for Field Day. After Pat's presentation, Bob (ABØBW) described this year's Dayton Hamvention, with pictures.

Submitted by Peter (N8MHD).

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## RARC Meeting Minutes - July 2005

The July meeting of the Rochester Amateur Radio Club was called to order at 7:02pm, Tuesday 7/12/05, by President Eric Van Norman (KFØS), with 43 members and guests present.

### Reports

- June minutes were approved.
- Treasurer's Report by Bob (KCØGND), presented by Peter (N8MHD) in Bob's absence:

Checking: \$ 2218.09

Savings: \$ 5776.97

Cash: \$ 20.00

Total: \$ 8015.06

Major transactions this period:

- 2005/2006 Dues: +\$120.00
- IBM United Way: +\$50.60
- '.82 repair: -\$202.37
- Red Cross Donation: -\$300.00
- Field Day - N0ADQ: -\$122.30
- RPU -3Q05: -\$60.00

### Committee Reports

- **Technical committee** - Rob (KCØFOW):
  - The .82 repeater tone access is now being turned off at night, so that a different tone can be used to page Skywarn.
  - IRLP is still being considered by the executive group.
- **Programs** - Bill (KØRGR):
  - The picnic will be in August at Foster Arend park, bring your own meat and something to pass. September will be Bob (ABØBW) on ARES, and for October digital modes.
- **BPL** - Mel (KCØP):
  - Mel described what he could of his trip to Cincinnati, which was paid for by RPU and required a non-disclosure agreement. RPU is considering working with the same company that has set up the system there, Current Technology.
- **Membership** - John (KØKTY):
  - We now have 124 members.
  - Field Day results will be posted to the web site soon.
- **Public Service** - John (NØHZN):
  - July had no events. August has the Half-Marathon, and September has the Centurion.
- **ARES** - Bob (ABØBW):
  - The Emergency Preparation Exhibit and Demo on June 21 had good attendance.
  - June was busy, with many events and 2 Skywarn calls.
  - Pick up your ARES badge if you haven't yet. If you want to join ARES get a form from Bob.
  - The email about a group purchase of anemometers for Skywarn got little response, and



will be sent out again.

- **DX and Contesting** - Stew (WØSHL):
  - The Korean DX Club is going to Solomon Islands and Tuamotu, H44 and H40. Many countries are on the air now, including Iraq.
  - A two week free trial of an internet DX notification newsletter is available from [www.bethany-beach.net/dailydxorder.html](http://www.bethany-beach.net/dailydxorder.html).
- **Field Day** - Pat (NØADQ):
  - Our claimed score is 4560, representing a tremendous increase in QSOs but nearly the same score as last year because of getting a lower power multiplier this year. Since conditions weren't real good, and we missed some of the extra point supplements we got last year, we did pretty well.
  - Email Pat with any corrections or omissions you find on the web site, once the information gets posted.
- **New Business**
  - The club received a letter from Jerry Nau, giving more information about his College for Kids class at RCTC for elementary and middle school talented and gifted kids. He asked for donations to help with the \$150 tuition. It was moved, seconded, and passed that the club donate \$300 to the program.
  - The family of R.V. Ehrick, who passed away earlier this year, are donating his ham equipment to the club. This represents a very high quality classical station.
  - Someone has been making illegal transmissions on the State Police Channel 1. If you monitor that channel, try listening on the repeater input frequency, 155.97, and if you hear him try to get direction information.

The meeting was adjourned at 8:05pm.

### **Program:**

The program was by Dave Thomson, NØRPD, and John Turk, NØWYH, who described (with technical details!) the new Rochester-Olmsted County 800 MHz trunking system that is being installed. Also, the new Incident Command Vehicle was there for tours.

Submitted by Peter (N8MHD).

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## RARC Meeting Minutes - September 2005

The September meeting of the Rochester Amateur Radio Club was called to order at 7:03pm, Tuesday 9/13/05, by President Eric Van Norman (KFØS), with 38 members and guests present.

### Reports

- July minutes were approved. August was the club picnic, and there were no minutes.
- Treasurer's Report by Bob (KCØGND):
  - Checking: \$ 1511.33
  - Savings: \$ 5778.91
  - Cash: \$ 20.00
  - Total: \$ 7310.24
- Major transactions this period:
  - 2005-96 Dues: +\$175.00
  - Field Day: -\$81.66
  - College for Kids: -\$300.00
  - ARRL Fire and Theft Insurance: -\$244.00
  - ARRL Liability Insurance (\$1 million for any club member, at any club event): -\$325.00

### Committee Reports

- **Technical committee** - no report.
- **Programs** - Bill (KØRGR):
  - The October program will be about CAP, by Greg (KCØEEU). The November program will be Software Defined Radios, and December will be the annual party.
- **BPL** - Mel (KCØP):
  - Interfacing continues with RPU's Dan Sturm. Dan is talking to the industry, and will address the "interference issue." Hams should document their activity on HF emergency nets, at their own QTH. Recordings, in particular, could prove useful in the future.
- **Membership** - John (KØKTY):
  - We now have 125 members.
  - There will be a Technician Class October 1 and 8. John has made several short videos of club members demonstrating their equipment and operations, as supplements for the class.
- **Public Service** - Bob (KCØGND):
  - The Centurion will be September 17, starting from Bear Creek, with 9 hams working.
- **ARES** - Bob (ABØBW):
  - IDs are available.
  - Skywarn has been active.
- **Old Business**
  - Kwik Trip milk caps are still being collected.
  - Jerry Nau thanked the club for our donation to College for Kids. He had three classes, with 38 students, and our donation was used for tuition and projects. This material is not presented in

public schools any more, and both parents and kids are enthusiastic.

- **New Business**

- Lowell Anderson (WØLBN) is SK, and a moment of silence was held in his memory. His family will donate equipment to the club. The executive committee will handle this.

- **Announcements**

- Hamfest MN is cancelled for 2005, but will be back in 2006.
- There will be a Skywarn wrapup, October 20, 7 pm, at Diggers.

The meeting was adjourned at 7:54 pm.

**Program:**

The program was by Steve Wiebke, WØSTV, on ARES.

Submitted by Peter (N8MHD).

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## RARC Meeting Minutes - October 2005

The October meeting of the Rochester Amateur Radio Club was called to order at 7:00pm, Tuesday 10/11/05, by President Eric Van Norman (KFØS), with 17 members and guests present.

### Reports

- **Meeting Minutes**

September minutes were prepared, but vanished into email purgatory. They will be posted as soon as possible.

- **Treasurer's Report**

Checking: \$ 1380.67

Savings: \$ 5779.89

Cash: \$ 20.00

Total: \$ 7180.56

Major transactions this period:

- IBM United Way: +\$50.60
- RPU 4Q05: -\$80.00

### Committee Reports

- **Technical committee** - John (NØHZN):

- There was good attendance at the Tech Committee meeting this month. Meetings of the Tech committee are open to anyone.
- The .82 repeater power supply in the amplifier needs to be pulled and repaired.
- The WØMXW-2 digipeater is intermittently deaf, and we would like to buy a new radio for it. It was moved, seconded, and passed, that the committee may buy a radio for up to \$350, on their judgement.

- **Programs** - Bill (KØRGR):

- The November program will be Software Defined Radios, by Terry (WØVB), and December will be the annual party. Dos Amigos will be the site, if it's available.

- **Membership** - John (KØKTY):

- We now have 125 members. Dues for 2006 may be paid to the treasurer.
- The Technician Class went well October 1 and 8.
- Short videos have now been made of Walter Cronkite (this one is ARRL), Stew (WØSHL), Niel (WØVLZ), Terry (WØVB), Steve (WØSTV), and Mel (KCØP).

- **Public Service:**

- Nothing is happening now, the Frozen Goose is next, in February.

- **ARES** - Bob (ABØBW):

- Skywarn has been active, and the Centurion was September 17.
- There will be a Skywarn wrapup at Diggers, 7pm. Last year this session was really good -- get there if you can.
- Steve (WØSTV): The EOC van has been rewired and refurbished. It will be a multi-use vehicle. It will be open to anybody, but you must go through the County Sheriff to use it.

## **Old Business**

- The bequest from R. V. Ehrick has been picked up. Some things can be put on the web site for sale, and lots remains to be checked out. The club hired a truck (for \$300) to take down the tower, and the expense was approved. What to do with the equipment will be discussed further.
- Lowell Anderson's family is not ready to act on that bequest.

## **New Business**

- John (NØHZN) and Steve (WØSTV) are the nominating committee for next year's officers.
- Niel (WØVLZ) was featured in a Post-Bulletin article. It has been posted on the web site.

The meeting was adjourned at 7:41 pm.

## **Program:**

The program was by Greg Opdahl, KCØEEU, on the Civil Air Patrol, which is the US Air Force Auxiliary.

Submitted by Peter (N8MHD).

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## RARC Meeting Minutes - November 2005

The November meeting of the Rochester Amateur Radio Club was called to order at 7:06pm, Tuesday 11/8/05, by President Eric Van Norman (KFØS), with 38 members and guests present.

### Reports

- **Meeting Minutes**

October minutes were approved with an amendment: the "truck" that removed Ehrick's tower was G&S Antenna Service. The Treasurer's report was approved.

- **Treasurer's Report**

Checking: \$ 1218.21

Savings: \$ 5780.81

Cash: \$ 20.00

Total: \$ 7119.02

Major transactions this period:

- 2006 Dues: +120.00
- IBM United Way: +\$42.20
- G&S Antenna: -\$300.00

### Committee Reports

- **Technical committee** - John (NØHZN):

- The .82 repeater power amp is pulled, and will be repaired in the next 3-4 weeks. It will run on low power till then. As an alternative, check out 146.52 simplex, make a contact and then QSY. Let's see how well we do.
- The WØMXW-2 digipeater has a \$180 radio on order.
- IRLP update: we are coordinating with the IBM club.
- Is it worth buying an SWR/Wattmeter for club use? Give suggestions to Brad.

- **Programs** - Bill (KØRGR):

- December will be the annual party, at Dos Amigos. Presentation ideas for next year are welcome. Maybe a Kit Building Night again? Also, people can bring in equipment at any meeting, as a side item, to look at during break.

- **Membership** - John (KØKTY):

- There was a VE session October 20 after the Technician class, and two new licensees are here tonight.
- We now have 130 members. Dues for 2006 may be paid to the treasurer.
- More short videos have been made, and a few more are still in the works.

- **Public Service** - John (NØHZN):

- We've started meeting for events next Spring, and we're getting thank-you letters for last year's efforts.

- **ARES** - John (NØHZN):

- MedARES is slowly starting up again. We will practice maybe twice a year?
- Steve (WØSTV): All 3 hospitals have stations, and need to be supported. Check the ARES Sunday night net.

**Contests/DX** - Stew (WØSHL):

- There are 12 contests by the end of this month, some of them majors.

**Old Business**

- The Nomination Committee (John, NØHZN and Steve, WØSTV) has come up with a slate for next year's officers. President, VP, and Treasurer will continue in office (if elected, of course), and BJ will be Secretary as soon as he turns 18 in January. Voting is at the December meeting/party.

**New Business**

- Please go to the web site and check your email address.
- The ARRL is helping hurricane kids through a toy drive, with the Salvation Army. See the ARRL web site for information. It was moved, seconded, and passed that the club donate \$200 to the ARRL Toy Drive.

The meeting was adjourned at 7:51 pm.

**Program:**

The program was by Terry Van Benschoten, WØVB, on SDR - Software Defined Radios.

Submitted by Peter (N8MHD).

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## RARC Meeting Minutes - December 2005

The December meeting of the Rochester Amateur Radio Club was the annual Holiday Party, held downstairs at Dos Amigos restaurant on Tuesday 12/13/05. A minimal business meeting was called to order by President Eric Van Norman (KFØS).

### Reports

- November minutes were not posted quite yet, and approval was deferred.
- Treasurer's Report by Bob (KCØGND), not present:

Checking: \$ 1460.15

Savings: \$ 5781.76

Cash: \$ 20.00

Total: \$ 7261.91

Major transactions this period:

- 2006/7 dues: +\$465.00
- ARRL Toy Drive: -\$200.00
- PO Box 1 rental: -\$48.00

### Election of officers

- The slate of candidates was elected unanimously: current officers continue, president Eric (KFØS), vice-president Bill (KØRGR), secretary Peter (N8MHD), and treasurer Bob (KCØGND).

The meeting was then adjourned.

Submitted by Peter (N8MHD), also not present.

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## RARC Meeting Minutes - January 2004

The January meeting of the Rochester Amateur Radio Club was called to order at 7:00pm, Tuesday 1/13/04, by President Fred Regennitter (K4IU), with 41 members and guests present.

### Reports

- The December minutes were approved. The Treasurer's report, which consists of the 2003 annual report this month, was approved. Dues are due!
- Treasurer's Report: Bob (KCØGND). Details are available on request.  
Starting Balance 2003: \$ 6367.94  
Total Inflow for 2003: \$ 8360.37  
Total Outflow for 2003: \$ 10993.20  
Final Balance: \$ 3735.11

### Committee Reports

- **Technical Committee - Stew (WØSHL):**
  - The .82 amplifier is dead. It has been sent in to get a new one, and we are waiting for a reply.
  - There is an echo on the .82, which happens if you let up on the mike fast. We are now using a tone control of 100 to control the echo.
  - The .625 repeater is getting some interference, some from the paging system at Mayo. We are working on it.
  - Rob KCØFOW is working on the 440 repeater, it has low output. It is now at Whitewater Wireless getting checked.
  - Some users are not identifying. Remember, you need to identify always. Control ops should take the repeater down if this happens.
- **Web, Membership, and Education - John (KØKTY):**
  - The class last August was successful. We will be offering a class again in February. Try to get the word out. A notice appeared in the Post-Bulletin, but so far only 2 students have registered. About 10 is best. The class will be Feb 21 and 28; 7-10 days advance notice is needed for ordering books.
  - We now have 121 members (though only 70 have paid so far for 2004). Over half are individual memberships; 25% are Extra, 25% General, and 48% Tech/Tech+. Two-thirds are Rochester residents. 20% of Rochester hams are current club members, and another 32% are former members.
- **Public Service - John (NØHZN):**
  - The Rochester Optimist Club is running the Frozen Goose Relay February 14, a run-snowshoe-ski race. We need 6-10 people with HTs for support. The usual events begin Memorial Day.
- **ARES - Steve (WØSTV):**
  - Don (ADØF) reports that there is an emergency plan for Minnesota, written for volunteer groups to use. It is posted on the web site, for ARES members. Lots of people are needed to cover hospitals, and current ARES membership is not enough to cover the need. A drill is coming in April.
  - Our ARES is in the Olmsted County Emergency plan. We need more members, we are now at

54; if you think you are a member, check your ID card, they are dated. John NØHZN has taken over MedARES, and will be running call drills.

- Peter (KCØPBY) reminds everyone of the SE Minn Traffic net, Wednesdays at 9:00 on the .745.
- **DX and Contesting** - Stew (WØSHL): The next big contest is ARRL CWDX, Feb 21-22. Also, the Minnesota QSO party is coming up Feb 7.

### **Announcements:**

- Chuck (N2DUP) has agreed to be a public information officer for the club.
- Dave (KØVH) is acting for a deceased ham, info is on the web site.

The meeting was adjourned at 8:00, a long meeting to make up for several months of short ones.

### **Program**

Following the meeting, the program consisted of a presentation by Fred (K4IU) on Logbook of the World (LotW), the internet-based QSL system set up by the ARRL.

Submitted by Peter N8MHD.

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## RARC Meeting Minutes - February 2004

The February meeting of the Rochester Amateur Radio Club was called to order at 7:00pm, Tuesday 2/10/04, by President Fred Regennitter (K4IU), with 32 members and guests present.

### Reports

- It was requested that the January minutes include the 2003 starting balance in the annual financial summary. With this revision, minutes from the January meeting were approved as posted on the web site.
- Treasurer's Report by Bob (KCØGND):
  - Checking: \$ 1400.84
  - Savings: \$ 5759.57
  - Cash: \$ 25.00
  - Total: \$ 7185.41Major transactions this period:
  - Mayo Foundation Grant: +\$2858.00, thanks to John (NØHZN)!
  - 2004 dues + \$645.00
  - UHF repeater repair - \$94.44

### Committee Reports

- **Technical Committee** - Stew (WØSHL):
  - Eliminating noise in the .82 and .625 repeaters: the problem appears to be a Mayo pager frequency combining with something. A filter seems to be working on the .625, and a similar filter will be tried on the .82 sometime in February.
  - The 440 repeater is up and running again. Working parts were combined from the two radios, and now there are two half radios, one with a working receiver and one with a working transmitter.
  - The recent problem with packet signals on the .82 was an EOC problem, with their radio coming up on the wrong frequency after a reset.
  - Tone control on the .82 may be impacting travelers coming through the area. A message will be added to the repeater, and the tone control will be removed if possible.
- **Public Service** - John (NØHZN):
  - The Frozen Goose Relay needs 4-8 operators, Saturday Feb. 14, 8am to noon. The Polar Plunge is 2:30-4:30, also Saturday Feb. 14, and needs shadows. The Med City Marathon is our next event after that, May 30. To the usual events, we have added the 4H Shootout in September, and the Wild Onion Relay at Chester Woods. See the web site for dates.
- **ARES** - Steve (WØSTV):
  - On March 24, there will be a Skywarn class, at 2:00 and again at 7:00.
- **Membership** - John (KØKTY):
  - 8 students have signed up for the class, including 3 teens. The final number may be higher.
  - There are 121 current members, 90 paid. Nag emails will go out mid March.
  - If you have changed your email, let John know.
- **NTS** - Peter (KCØPBV):

The SE Minnesota traffic net is Wednesday nights at 9pm. There are also Section nets on 80m.

**Announcement:**

- BPL is coming to Rochester, bringing the potential for significant RF interference problems for amateur radio. A representative from RPU, Dave Sturm, will be speaking at the March meeting. To avoid arguments and shouting, questions for him must be submitted in writing before the meeting -- see the web site. Educate yourself before the meeting. The web site has a good selection of information on what BPL is, how it may cause problems for amateur radio, and what we can do to prevent problems.

The meeting was adjourned at 7:50.

**Program**

Following the meeting, Dave Peterson (K7CJO) presented a program on Red Cross Disaster Communications.

Submitted by Peter N8MHD.

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## RARC Meeting Minutes - March 2004

The March meeting of the Rochester Amateur Radio Club was called to order at 7:00pm, Tuesday 3/9/04, by President Fred Regennitter (K4IU), with 50 members and guests present. Because the program involved visitors, the program portion of the evening was held first. The business portion of the meeting was called to order at 8:06.

### Reports

- February minutes were approved.
- Treasurer's Report by Bob (KCØGND):

Checking: \$ 1218.01

Savings: \$ 5759.95

Undeposited checks: \$ 110.01

Cash: \$ 25.00

Total: \$ 7112.97

Major transactions this period:

- VHF filters: -\$178.94
- 2004 dues + \$135.00
- Web site: - \$115.85

### Committee Reports

- **Technical Committee** - Stew (WØSHL):
  - Repeaters are all working.
  - The .625 repeater has new cans, from Mayo. The .82 has a new filter, which is expected to fix the noise problem. The tone access has been turned off.
  - KTTC asked to talk to some hams, and came out to Stew's QTH and filmed an interview with Stew, Fred, and Judy. It will be aired sometime.
  - Other articles about amateur radio have appeared in the paper.
- **Public Service** - John (NØHZN):
  - The Frozen Goose Relay went well. The Med City Marathon, Memorial Day, requires lots of operators.
- **ARES** - Steve (WØSTV):
  - The Polar Bear Plunge used amateur TV, and next year the feed will be sent out over the public service channel on cable.
  - March 24 is Skywarn training at Diggers.
  - Red Cross classes are coming up: Comm 101, Disaster Assessment, and Shelter Ops will all be offered soon. For registration, contact Red Cross.
  - ARES is handling hospital emergency communications statewide, and is growing fast.
- **Membership** - John (KØKTY):
  - 13 students are in the Technician class.

### Announcement:

It was proposed and unanimously passed that the club donate \$300 to the summer kids technical program, like we did last year.

The meeting was adjourned at 8:30.

## **Program**

Before the business meeting, Dan Sturm, Gerry Steffens, Bill Majerus, Mike Smith, and Dan Peccarino presented a program on RPU's plans for a trial of BPL, Broadband over Power Lines. Some of their points are as follows:

- Powerline Carrier has been around for decades, but its use for carrying internet is recent. This trial is organized as a partnership between RPU and Hiawatha Broadband Communications of Winona.
- The system may provide a new revenue stream for RPU. HBC would rent lines from RPU, and provide all content. Internet service would be the initial focus, but it could also provide cable TV.
- RPU wants to bring hams on board, for hands-on testing of RFI. RFI problems that have occurred in other sites are claimed to be due to older technology. If problems are still there, "we'll have to confront that."
- The initial test will be in 10-20 homes, probably in SE Rochester, for 2-3 months starting July 1. In October the trial will be expanded to 100 homes, including some hams, and testing in a variety of service situations.
- Lots is still unknown, including the operating structure.

Submitted by Peter N8MHD.

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**ROCHESTER AMATEUR RADIO CLUB, INC.**  
P. O. BOX 1, ROCHESTER, MN 55903

## RARC Meeting Minutes - April 2004

The April meeting of the Rochester Amateur Radio Club was called to order at 7:00pm, Tuesday 4/13/04, by President Fred Regennitter (K4IU), with 41 members and guests present. Slips of paper were passed out so that everyone could sign up for a Door Prize!

### Reports

- Because the March minutes had been posted only hours before the meeting, approval of the minutes was deferred till the May meeting.
- Treasurer's Report by Bob (KCØGND):
  - Checking: \$ 1158.14
  - Savings: \$ 5761.52
  - Undeposited checks: \$ 110.00
  - Cash: \$ 25.00
  - Total: \$ 7054.66Major transactions this period:
  - 2004 dues: + \$270.00
  - Donations: + \$110.01
  - RPU: -\$45.00
  - Web URL: - \$52.95
  - College for Kids: - \$300

### Committee Reports

- **Technical Committee** - John (NØHZN):
  - Repeaters: the 440 is fine, the .625 is fine - and has great range. The .82 failed once, because the fan in the building failed and the room got extremely hot. When it cooled off it seemed to work ok. We're trying to locate the building manager.
  - The tower trailer (the one we use on Field Day) has received new(er) tires, donated by Pat.
- **BPL** - Fred (K4IU): There was a teleconference 2 weeks ago; we seem to have better cooperation with our power company than most places do with theirs. ARRL handouts are available. Mel Larson, Niel Weigand, and Don Galliland will be monitoring interference here.
- **Public Service** - John (NØHZN):
  - The Med City Marathon is Memorial Day, May 30, and requires lots of operators. The Tour de Cure is right after that. There will be approximately 8 events this year. Check the web site for the schedule.
- **ARES** - Steve (WØSTV):
  - A 136.5 Hz tone will be used as a Skywarn call alert.
  - ARES is promoting simplex use. The calling frequency is 146.52, try calling it first.
  - The Rochesterfest parade route is the same as last year, volunteers are needed.
  - Red Cross: there is lots of activity. Take the Disaster Assessment class if you can. Classes have changed, and you must re-take the class to have credit for the new version.
  - We're using the same Skywarn maps. If you need one ask Steve. The west side of the county is well covered, but more observers are needed north, east, and south. Contact

KC0FOW@mailcity.com and ask for teams.

- MedARES has radios in all three hospitals, and there will be a small drill in the next few weeks. We will try to do more drills in the late Spring.
- **Membership** - John (KØKTY):
  - Education: 9 from the Tech Class got their licences, and 3 are here this evening. A General Class will be offered May 8 and 15, with 12 people signed up. A computer projector would be very helpful for this class, if anyone knows of one that can be borrowed.
  - 14 members from last year did not renew, and current membership stands at 117.

### **Announcements:**

- Chuck (N2DUP) will be a candidate for ARRL Section Manager (covering Minnesota). If you are a member of ARRL, you are invited to sign his nominating petition.
- Field Day will be June 26-27. Our setup will be at Cahill's Farm, like last year. Volunteers are needed. The May program will be about Field Day.
- A thank-you letter was received from the College for Kids for our donation.
- A plaque has been made to thank Mayo for their grant to us.

The Door Prize, an Automatic Wire Stripper, was won by KØELW. The meeting was adjourned at 8:50.

### **Program**

Mel Larson (KCØP) presented the program, Microwaves: the World Beyond 10 GHZ. He demonstrated his equipment, and described the kinds of contacts possible in this region.

Submitted by Peter N8MHD.

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**ROCHESTER AMATEUR RADIO CLUB, INC.**  
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## RARC Meeting Minutes - May 2004

The May meeting of the Rochester Amateur Radio Club was called to order at 7:00pm, Tuesday 5/11/04, by President Fred Regennitter (K4IU), with 38 members and guests present.

### Reports

- April minutes were approved, with a correction: the ARES call-out tone is 136.5 Hz.
- Treasurer's Report by Bob (KCØGND):
  - Checking: \$ 1276.98
  - Savings: \$ 5762.94
  - Undeposited checks: \$ 0.02
  - Cash: \$ 25.00
  - Total: \$ 7064.94
  - Major transactions this period:
    - 2004 dues: + \$75.00
    - Donations: + \$60.00

### Committee Reports

- **Technical Committee** - John (NØHZN):
  - Over the last month the exhaust fan at the 82 site has quit 3 times. Two times, it caused the repeater to over heat to the point it shut down. Each time after resetting the circuit breaker that supplies the exhaust fan the building cooled down and the repeater functioned again. The repeater has the ability to monitor different inputs, so Rob KCØFOW has built a circuit that will create a short condition when the temperature in the repeater cabinet reaches aprox 168 degrees. When that happens the repeater has been programmed to play a message "Danger High Temperature Alert, Call Control Operator" if you hear this please call one of the tech committee members. If the condition exists the message will play every 10 minutes until the temperature reaches a safe level. We are still doing some testing on the circuit and hope to have it operational soon.
  - John NØHZN has offered to sell the club a "room temperature monitor" to install in the .82 repeater cabinet that will allow the tech committee to monitor the actual temperature inside the cabinet. By inputting the proper code, the repeater will read the actual temperature over the air. This will allow us to know the actual temp so we may know before it reaches the trigger temp that will play the High temp warning. John is asking for \$100 for the unit. The tech committee recommends that the club purchase the unit.
  - It's time to have a .82 repeater site clean up again. We need to sweep the floor and pick up inside the building. Stay tuned to the Sunday night net and we will announce when we are planning to clean up the site.
  - The .625 is working well, and seems to be doing a great job.
  - The 440 appears to be working fine.
  - Bob NØEST reports the APRS IGATE located at IBM will be reset every night. The igate appears to have locked up a couple of times recently. The reset will correct the lock up if it occurs again. If you notice any problems with the igate please contact Bob NØEST or Tony

**AAØSM.**

- John NØHZN is working to remove the Austin Digi-peater since there is now a digi in Albert Lea. There has been no interest in Austin, and the digi is a collaboration between the RARC and the club in Mason City. The RARC owns the antenna and is planning to use it for another site we are looking at installing a backup digi.
- **BPL** - Fred (K4IU): The test site is bounded by Hwy 63, Apache Mall, 16th St, and 14th St. There are no hams in that area. Testing begins July 1, and Mel and Dan Sturm are working on monitoring interference. The equipment vendor is Main.net, which has a history of pushing signals through transformers by using high power. Write your congressman. Email is preferred; if you use paper mail, send to a local address and not to Washington DC.
- **Public Service** - John (NØHZN):
  - The Med City Marathon is Memorial Day, May 30. The Tour de Cure is June 5, June 25 is the Rochesterfest Parade, June 26 (same day as Field Day) is the Ride for the Y, July 10 is the Centurion, there is a half-marathon in August, a triathlon August 29, and the 4H Shootout in September. Whew. Check the web site for the schedule.
- **ARES** - Don (ADØF):
  - Sunday's Skywarn coverage went well.
  - Saturday's regional exercise at Austin went well.
- **Membership** - John (KØKTY):
  - Education: The first day of the General Class was last Saturday, with 13 students and 5 instructors. It continues next Saturday. Lots of fun.
  - 3 more members renewed, and current membership stands at 120.

**Announcements:**

- September 9-20, for Rochester's Sesquicentennial, Chuck (N2DUP) has obtained the special event call W0U. There are several options for what we can do; see the web site at Rochester150.com, and email Chuck with ideas.
- ARRL Section Manager elections are coming up. The current Minnesota Section manager is stepping down, and Chuck (N2DUP) and Skip Jackson are the candidates. Ballots will be out (to ARRL members) about July 1. Skip has been invited to visit the club, along with Chuck, and see their web sites at [www.radiohams.net](http://www.radiohams.net) and [www.skipforhams.com](http://www.skipforhams.com).
- A plaque is to be presented to Mayo on May 20, as a thank-you for their grant to us.
- Carl Johnson (KØYIH) makes engraved call-sign nametags and plaques at reasonable prices. Sign up if you want one.

The meeting was adjourned at 7:45.

**Program**

Pat Cahill (NØADQ) described arrangements for this year's Field Day, June 26-27, again at Cahill's Farm. Sign-up sheets are available. Everyone is invited, whether starting from breakfast at Grandma's Restaurant or coming by after the Ride for the Y public service event. This year there will be a porta-potty.

Submitted by Peter N8MHD.

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**ROCHESTER AMATEUR RADIO CLUB, INC.**  
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## RARC Meeting Minutes - June 2004

The June meeting of the Rochester Amateur Radio Club was called to order at 7:00pm, Tuesday 6/8/04, by President Fred Regennitter (K4IU), with 32 members and guests present.

### Reports

- May minutes were approved.
- Treasurer's Report by Bob (KCØGND):
  - Checking: \$ 1360.86
  - Savings: \$ 5764.08
  - Cash: \$ 25.00
  - Total: \$ 7149.94
- Major transactions this period:
  - 2004 dues: + \$50.00
  - Donations: + \$50.02

### Committee Reports

- **Technical Committee** - Stew (WØSHL):
  - The Tech Committee will be meeting at 6:30 immediately before the club meetings for the next few months, rather than on Monday the day before. As always, non-members are welcome to attend.
  - The temperature probe (to warn of high temps in the building housing the .82 repeater) should be installed July 1.
  - The club will acquire a few APRS trackers. The Tech Comm. will get one and test it, then a few more.
  - The process of acquiring a projector has begun. A grant would be nice.
- **BPL** - Fred (K4IU):
  - Niel and Mel have been working with RPU, and have been doing some listening and testing. They asked where the injection points will be, and were told they don't know. Apparently they are waiting on their equipment supplier. Mel has recorded noise levels on three different days using a mobile setup, on 80m to 6m. The neighborhood of the BPL test is relatively quiet, with a few odd noises recorded.
- **Public Service** - John (NØHZN):
  - For the Med City Marathon, club support made a major contribution. The Diabetes Tour de Cure was the largest in a long time. Coming events: the Rochesterfest Parade, Steve (WØSTV) would like more operators; June 26 (which conflicts with Field Day) is the Ride for the Y, and July 10 is the Centurion. Check the web site for the schedule.
- **ARES** - Steve (WØSTV):
  - There was an IAMS meeting last week. Also, MedARES had a radio test.
  - CERT (Citizen Emergency Response Team) is big in this county, and may be interested in a license class.
  - The hospital-radio system has been a very popular idea, but statewide ARES is having problems with distance and low numbers of hams in some regions.

Steve announced that as of December, he will step down as EC. He has done an excellent job, and the club appreciates his hard work.

- If you want to nominate yourself as Steve's replacement, send an email to Bob (KCØGND). Leadership experience in other groups is good. You must be an ARRL member, and you get appointed by the Section Manager, who will be Skip Jackson or Chuck Gysi depending on the outcome of that election.
- **Field Day** - Pat (NØADQ):
  - We have station captains, and things are lining up smoothly. Meet at Grandmas for breakfast, and go out from there for setup. Bring a dish to pass, our noble cooks will provide brats and hamburgers.
  - This year we will run low power (100 watts), 3A. There will be a Portable Antenna Competition, a new event -- the antenna must fit in a car, and be set up in 5 minutes. Scoring is 1 point per foot of elevation of the feed point. The winner will get fame and fortune, or perhaps applause and a certificate.
- **Membership** - John (KØKTY):
  - Membership is still at 120.

### **New Business:**

- The club voted unanimously to give the Red Cross a donation of \$300, in appreciation of what they do for us.

### **Announcements:**

- Paul (WDØGCP) has a steel table for free, come pick it up.

The meeting was adjourned at 7:50.

### **Program**

John Scott (NØHZN) described the APRS system.

Submitted by Peter (N8MHD).

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**ROCHESTER AMATEUR RADIO CLUB, INC.**  
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## RARC Meeting Minutes - July 2004

The July meeting of the Rochester Amateur Radio Club was called to order at 7:00pm, Tuesday 7/13/04, by President Fred Regennitter (K4IU), with 36 members and guests present.

Fred presented a check for \$300 to Melanie Tschida, Executive Director of the Rochester Red Cross, as a donation from the club in thanks for all the Red Cross has done for us.

### Reports

- June minutes were posted just today, so approval is deferred till next meeting.
- Treasurer's Report prepared by Bob (KCØGND), delivered by Peter (N8MHD):

Checking: \$ 1075.05

Savings: \$ 5765.34

Cash: \$ 25.00

Undeposited checks: \$ 118.62

Total: \$ 6984.01

Major transactions this period:

- Donations: + \$219.02
- Weather Station: - \$169.00
- Field Day: - \$146.10

### Committee Reports

- **Technical Committee** - Stew (WØSHL):
  - Who has club equipment at their house? At the September meeting, we will gather together all the club equipment to inventory it and check it out.
  - The temperature probe (to warn of high temps in the building housing the .82 repeater) is in.
  - Bob (NØEST) will set up a committee to organize the region's APRS network. If you are interested in serving on it, let him know.
  - Fred has gotten unofficial notification that the IBM grant of \$1000 has been approved. It will be used for a projector.
  - The time/day announcements on the .82 may be having some intermittent troubles. They'll be checked out.
- **Membership** - John (KØKTY):
  - There was a new member last month, and another tonight, so membership is now at 122, about 20% up from last year.
  - There was a VE session June 10, 6 students passed written exams and 3 received General licenses. The major hurdle seems to be code.
  - There will be another Tech class in September, 9/18 and 9/25, with a VE exam 10/7. Get out the word. Publicity is being arranged through Mayo and IBM, the weather service channel, and possibly through Randy Brock, the Channel 10 weatherman.
  - There are Field Day pictures on the web, as well as Public Service information and information about the September license class.
- **Field Day** - Pat (NØADQ):

- The portapotty was a very successful innovation.
- 47 hams participated, manning stations for CW, SSB, VHF, Digital, and a GOTA (Get On The Air) station. There were 152 digital QSOs; 151 GOTA (the GOTA and digital stations were competing at the end, and the digital station won by a nose); 41 VHF; 335 CW; and 536 phone. With bonus points and the low-power multiplier (100 watts), our total claimed score is 4680 points. Comparing to last year's scores, this would have put us in the top 50 in the 3A category - but last year was a poor-propagation year. Still, it's pretty good. There were visitors from Red Cross and the Dakota Division ARRL director, several people stayed all night, and the rain held off till the very end.
- Certificates were presented to Brad (KCØQVH), second place, and Paul (WDØGCP), first place, for the Portable Antenna Challenge.
- **BPL - Mel (KCØP):**
  - Fred and Mel met with Joe Marsilli of Main.net. Their plan: they want a 3 month technical trial, starting this week. They will hook up all equipment, and test with about 10 subscribers. Later, there will be a 3 month marketing trial, for about 100 customers, possibly in the same general area. Status: they are installing this week. If you look, you can see the injectors and repeaters on the poles, a kleenex box sized thing with a wire up to the power line. A T1 fiber optic line from Winona connects to the injector, and repeaters are installed on transformers. There are lots of repeaters going in per mile, here. There will be an equipment change halfway through: they will start with DSSS (Direct Sequence Spread Spectrum), using frequencies between 2 and 30 MHz, or maybe 2 and 20, technical information is hard to get out of them. Three months later they will switch to OFDM (Orthogonal Frequency Division Multiplexing), smoother and better. The customer receive modem plugs into house wiring, not WIFI, as was used in Cedar Rapids. They can notch out frequencies from their server in Winona, or turn off repeaters, or change the power level, which is set now at 5 of 7 (units unknown). Their marketing pitch is that they have had no trouble in Germany, where 80000 "pieces" have been shipped. Observations: Baseline logging of noise levels has been done on 5 days. Four of the days were fairly quiet; the one day there was strong noise was also the one day the RPU team made background noise level measurements. Part 15 limits allow S9 + 15 Db noise, at 30 feet away from the source using a dipole. Also, the law prohibits "harmful interference", which is an operational definition, based on whether the receiving radio can be used. It isn't clear how the law will be interpreted.
- **Public Service - John (NØHZN):**
  - There have been 6 events so far. The 3 bicycle events have all had really good participation. For every event we have served, the organizers have been enthusiastic and appreciative.
- **ARES - Steve (WØSTV):**
  - DVD disks with BPL information are available.
  - there will be a Digital Conference (DCC) in Des Moines. If there is interest, we can car pool and get a block of rooms. Let Steve know if you want to go.
  - We will need a new Olmsted EC, tell Don or Steve if you are interested.
  - Oct. 7 there will be a post-season Skywarn event at Diggers, Kasson.
  - Remember the Saturday 7am breakfasts at Grandma's. Also, it would be fun to start a Commute Net on .82: check in on your way to work, and talk.

### **New Business:**

- The club voted unanimously to give the Cahill family a year's family membership, as thanks for their Field Day contributions.

### **Announcements:**

- Chuck (N2DUP) reminds us that there will be a Special Event call, WØU, available to us September 9-20 in celebration of the Rochester Sesquicentennial. He has talked to Rochester 150 organizers, and they are having events at the Civic Center Sept. 10-12, but they charge for use of their space. Perhaps we could set up a station on Civic Center grounds, or we can get on the air from homes. Contact

Chuck if you are interested.

- Roger (WBØISF) will be collecting Quik Trip milk labels and caps from QT drinks, which can be cashed in. If you get any, bring them to a club meeting. Roger will collect them, and cash them in for the club.
- The Summer Kids Program that we contributed to has been cancelled, and our contribution will be returned.

The meeting was adjourned at 8:14 -- one of our longer meetings, but lots of information.

### **Program**

Bob Wiles (ABØBW) and Bill Osler (KØRGR) described and demonstrated the many digital modes available.

Submitted by Peter (N8MHD).

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**ROCHESTER AMATEUR RADIO CLUB, INC.**  
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## RARC Meeting Minutes - September 2004

The September meeting of the Rochester Amateur Radio Club was called to order at 6:38pm, Tuesday 9/14/04, by President Fred Regennitter (K4IU), with 28 members and guests present.

The meeting was held in one of the barns at Pat's (NØADQ) farm. Barbecue sandwiches were served, with chips and pop (provided by the club -- a bribe to increase attendance), as we listened to the rain on the metal roof. This was the evening that the area had 6 to 10 inches of rain, and the noise was really quite impressive.

### Reports

- June and July minutes were approved. The August meeting was the picnic, which also had unusual weather (cold, but not wet), and no business meeting was held then.

- Treasurer's Report by Bob (KCØGND):

Checking: \$ 489.38

Savings: \$ 5767.48

Cash: \$ 25.00

Total: \$ 6281.86

Major transactions this period (two months):

- IBM Grant: +\$1000.00
- College for Kids refund: +\$300.00
- Projector purchase: -\$1010.19
- Liability insurance: -\$325.00
- Fire/Theft insurance: -\$244.00
- Red Cross donation: -\$300.00

### Committee Reports

- **BPL** - Mel (KCØP):
  - Mel and Niel have measured noise levels after RPU's corrective notching was applied, and there is still significant interference. The noise varies with number of subscribers hooked up and with their activity. The next step is a letter to RPU, pointing out that their mitigation efforts haven't worked, and politely asking them what they will do next.
- **ARES** - Grant (KCØJOO):
  - Grant is just back from Florida, where he worked with Don Franck and Bev Richards doing Disaster Assessment for Hurricane Charley, in Arcadia. It was very rewarding, and he will probably go back for Ivan. There were over 2000 Red Cross volunteers, from all over.

### Announcements:

- The Holiday Meeting will be held at Dos Amigos, in the downstairs room, like last year.

The meeting was adjourned at 7:02.

### Program



The reason for having the meeting at Pat's was to inventory the club equipment, and Pat had also planned to have an educational session on setting up the club towers (which are used each year for Field Day). The rain made setting up the towers unfeasible, but other equipment was gathered together. In addition to the two towers (and their triband yagis), the club has two HF amplifiers, and at least one TNC, plus lots of coax and rope.

Submitted by Peter (N8MHD).

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## RARC Meeting Minutes - October 2004

The October meeting of the Rochester Amateur Radio Club was called to order at 7:00pm, Tuesday 10/12/04, by President Fred Regennitter (K4IU), with 24 members and guests present.

### Reports

- September minutes were approved.
- Treasurer's Report by Bob (KCØGND):
  - Checking: \$ 472.98
  - Savings: \$ 5768.37
  - Cash: \$ 20.00
  - Total: \$ 6261.35
- Major transactions this period (two months):
  - IBM United Way: +\$101.80
  - Sept meeting food: -\$101.76
  - RPU: -\$50.00

### Committee Reports

- **Technical committee** - Stew (WØSHL):
  - Tim Morgan questioned our right to use the KTTC tower. We currently have an APRS repeater on it. He suggested we rent space at \$1 per year.
  - The 82 repeater needs some tweaking on the voice announcements.
- **BPL** - Fred (K4IU):
  - At the clubs request, Fred sent letters to RPU, Main.net and HBC. He presented copies of this letter for the membership to read. The IEEE meeting was held 11 October. Several club members were present. Our main concerns with BPL were addressed. They acknowledged that there was an interference on the ham bands and the 2-20 mhz HF frequencies in general. Fred attempted to explain the 3 components of the BPL bundle, Internet content, VOIP, and television. He fielded questions from the membership present.
- **Membership** - John (KØKTY):
  - Dues are due!
  - No change in membership, 122 members.
  - The next Technician class is in February. Instructors will be using the new projector purchased with grant money from IBM.
- **Public Service** - John (NØHZN):
  - Thanks to all that showed up to help at the 6 support events this summer. John, NØHZN received and presented to the membership 2 plaques. The first was from Ann Ferguson and the American Red Cross a community service plaque. The second thank you plaque was from National Diabetes Association. John encouraged more participation in support of these public service events.
- **ARES** - Don (ADØF):
  - Don Franks discussed the Skywarn Class held last week. He stated the next one will most likely be in the spring. He noted that Steve Wiebke WØSTV is stepping down down at the end of the

year. A replacement ED is needed. If no one steps forward ARES will cease to exist in Olmsted Co. area with no EOC.

**Announcements:**

- Joe Fishburn KØTS is back home as of today.
- Fred asked for nominations for new leadership with elections to be held in December.

**Program:**

The program, Working DX, was presented by Stewart Lewis (WØSHL).

Submitted by Judy Reginnitter KØVH, secretary pro tem. Her minutes were promptly delivered to the regular secretary, Peter, who took a very long time to convert them to HTML and send them on to John for posting.

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**ROCHESTER AMATEUR RADIO CLUB, INC.**  
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## RARC Meeting Minutes - November 2004

The November meeting of the Rochester Amateur Radio Club was called to order at 7:01pm, Tuesday 11/8/04, by President Fred Regennitter (K4IU), with 30 members and guests present.

### Reports

- October minutes were late, and will be approved next meeting.
- Treasurer's Report by Bob (KCØGND):
  - Checking: \$ 647.38
  - Savings: \$ 5769.27
  - Cash: \$ 20.00
  - Total: \$ 6436.65
- Major transactions this period (two months):
  - 2005 dues: +\$145.00
  - 5 yr lease @ Simpson: -\$5.00

### Committee Reports

- **Technical committee** - Stew (WØSHL):
  - The timer has been reset on the 82 and 625 repeaters. The 625 may still have an erratic problem, which may be ok to ignore. It will be watched.
  - The APRS antenna broke in the process of relocating, a new one will be purchased.
  - The Simpson site has been leased for 5 years, at \$1 per year.
  - A secondary site for APRS is being looked for by Bob (NØEST).
- **BPL** - Mel (KCØP):
  - Ed Hare (W1RFI) was here, and met with Niel, Mel, and Bill. Ed did a set of measures, using a PCR1000, using an automated sweep function. Would it be useful for the club to have one of these receivers? We will look around for one, and consider getting one if it is cheap. Ed also talked to Dan Sturm, who had been unaware of the interference potential of amateur radio transmissions on BPL. They (RPU) are not happy with their vendor, and will likely be changing. Ed was impressed with our cooperative relationship with RPU. Not much is likely to happen over the winter.
- **Membership** - John (KØKTY):
  - Dues are due!
  - Is there interest in an upgrade class in 2005? Either general or extra. Let John know if you want one.
- **Public Service** - John (NØHZN):
  - The Frozen Goose Relay will be Feb. 5. Watch the web site for the schedule.
- **Boy Scouts** - Bob (ABØBW):
  - There was no interest in JOTA this year, but there is a scout interested for next year.
- **ARES** - Steve (WØSTV):
  - Steve is leaving as EC, and will be replaced by Bob Wiles ABØBW.
  - The packet node is up, 145.67, for emergency traffic. There will be a discussion at 8:30 on the net about getting on it. Check the website [www.ares.org](http://www.ares.org).

There will be a foxhunt up at Stillwater, 11/20, participants need to be sponsored by the club.

- A powerpoint presentation on Winlink 2000 is available, and will be sent to ARES members..
- There was an SET a couple of weeks ago, which didn't go very well.
- **DX** - Stew (WØsHL):
  - On November 11, the battleship Missouri, from Hawaii, will be operating.
  - Lots of Dx is happening -- Madeira Islands, Angola -- get on the air.

#### **Announcements:**

- A group will be getting together for a club entry in the ARRL phone sweeps, 11/20. Sign up for a time.
- The Holiday Meeting will be held at Dos Amigos, in the downstairs room, like last year.

The meeting was adjourned at 7:45.

#### **Program:**

The program was presented by Peter Wollan (N8MHD), on Phased Vertical Antennas.

Submitted by Peter (N8MHD).

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**ROCHESTER AMATEUR RADIO CLUB, INC.**  
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## RARC Meeting Minutes - December 2004

The December meeting of the Rochester Amateur Radio Club was the annual Holiday Party, held downstairs at Dos Amigos restaurant on Tuesday 12/14/04. A minimal business meeting was called to order at 6:50pm by outgoing President Fred Regennitter (K4IU), with 35 members and guests present.

### Reports

- November minutes were approved.
- Treasurer's Report by Bob (KCØGND):  
Checking: \$ 903.84  
Savings: \$ 5770.26  
Cash: \$ 20.00  
Total: \$ 6694.10  
Major transactions this period (two months):
  - 2005 dues: +\$270.00
  - IBM United Way: +\$100.80
  - PO Box 1: -\$48.00

### Election of officers

- The slate of candidates was elected unanimously: new officers are president Eric (KFØS) and vice-president Bill (KØRGR), and Peter (N8MHD) and Bob (KCØGND) continue as secretary and treasurer.
- Door prizes were contributed by Don Franck, Bob Wiles, and Steve Wiebke.

The meeting was adjourned at 7:00.

### Program:

Grant (KCØJOO) showed slides and described his experiences in Florida with Red Cross disaster relief.

Submitted by Peter (N8MHD).

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**ROCHESTER AMATEUR RADIO CLUB, INC.**  
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## RARC Meeting Minutes - January 2003

The January meeting of the Rochester Amateur Radio Club was called to order at 7:00pm, Tuesday 1/14/03, by President Fred Regennitter (K4IU), with 33 members and guests present.

### Reports

- Minutes from the December meeting were approved as posted on the web site.
- Treasurer's Report by Bob (KCØGND): A summary of the year's cash flow has been prepared, and is available to all club members. Anyone who wishes to see it may contact one of the officers.

### Committee Reports

- **Technical Committee** - John (NØHZN): There was no meeting this month, since most members were out of town. Ongoing committee items:
  - The .82 repeater is working except for the voice interface, and that should be fixed this week, hopefully.
  - Pat (NØADQ) is continuing to gather information for the .625 repeater replacement.
  - The Echolink connection has been modified/improved a little.
- **Public Service** - John (NØHZN):
  - Memorial Day weekend begins the season. Check the web site calendar for events.
- **ARES** - Steve (WØSTV):
  - A new schedule is being made for net control operators, and there is a new preamble.
  - OMC is setting up a radio station at their hospital. OMC has lots of satellite clinics in the region, and communications needs are different from Mayo.
  - A statewide 2 meter packet network is being set up. The EOC here will be putting in 2 nodes (2 frequencies). We are an alternate control center for the state.
  - Any ARES member who isn't receiving email regularly from Steve should send him a note at WØSTV@arrl.net.
- **Membership** - John (KØKTY):
  - There are now 114 members. Only 67 have paid their dues for 2003. 9 members have no email. There were 28 new members in 2002, 14 from classes.
  - A survey about members' activities and interests was passed out. This is being repeated from two years ago. Results will be described at the next meeting.

### Announcements:

- A Red Cross Damage Assessment Course is coming up Wednesday 1/29, 6-10pm. Registration is required.
- The North American QSO Party is this weekend; the MN QSO party is February 1, and the IBM QSO party is Feb. 1 and 15. Check the web site calendar for details.

The meeting was adjourned at 7:45.

### Program

Following the meeting, Terry (WØVB) and Mel (KCØP) presented a program on VHF/UHF contesting,

specifically encouraging members to participate, as a club, in the ARRL January VHF Sweepstakes, this weekend. We want to have 51 or more entries to qualify for the Unlimited Club category. Get logs to the contest committee before the February club meeting. Good luck to all!

Submitted by Peter N8MHD.

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## RARC Meeting Minutes - February 2003

The February meeting of the Rochester Amateur Radio Club was called to order at 7:00pm, Tuesday 2/11/03, by President Fred Regennitter (K4IU), with 34 members and guests present.

### Reports

- Minutes from the January meeting were approved as posted on the web site.
- Treasurer's Report by Bob (KCØGND):

Checking: \$ 1955.91

Savings: \$ 4944.27

Cash: \$ 31.00

Undeposited Checks: \$ 0.00

Total: \$ 6931.18

Major transactions this period (from 12/10/02):

- 501c3 donations - \$79.08
- 2003 dues - \$1170.00
- Telephones - \$74.72
- '.82 Repairs paid - \$117.92
- Insurance claim income for '.82 - \$558.81
- RPU - \$42.00

### Committee Reports

- **Technical Committee** - Stew (WØSHL):
  - The .82 repeater is up as of Thurs. 9:00, and putting out over 100 watts. If you hear any problems, let John or Stew know.
  - The .625 repeater is working well for now. Pat (NØADQ) will propose a replacement plan next month.
  - Voice over IP, EchoLink: a control op is now needed to avoid unlicensed access through the internet, so it is up only when someone is monitoring.
  - Bill (KØRGR) has been added as a new Tech Committee member.
- **Public Service** - John (NØHZN):
  - See the web site calendar for events. For the Rochesterfest Parade, police coverage will be limited, and they may need more radio coverage than in the past.
- **ARES** - Steve (WØSTV):
  - A new schedule of net control ops is in place starting March, and a new preamble.
  - The Department of Emergency Management, MN, is developing a packet net, which looks to be well designed. The EOC will have nodes. ATV is being promoted.
  - Mayo ARES has a new manager, and will start rebuilding. They will require participation, 2 activities a year.
  - Skywarn training will be March 26 at Diggers in Kasson.
  - Red cross Damage Assessment courses are coming up. Remember that a video introductory course must be completed first.
  - We need someone to take NTS messages, which come out of Winona.

- **Membership** - John (KØKTY):

- The Member Survey results are posted on the web site.
- A folder is available to hand out to prospective members.
- There are now 115 members, approximately 77 paid. Next month, the no-pays will start being dropped.

**Announcements:**

- VE License testing will be March 13, at the Red Cross building.
- Glenn Johnson (WØGJ) is back in Bhutan.
- Joe (KBØRZW) asks for ideas for promoting amateur radio, and offers his help with demonstrations, particularly at large public events.

The meeting was adjourned at 7:50.

**Program**

Following the meeting, Neil (WØVLZ) and Tony (AAØSM) presented a program on kits and kitbuilding.

Submitted by Peter N8MHD.

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## RARC Meeting Minutes - March 2003

The March meeting of the Rochester Amateur Radio Club was called to order at 7:00pm, Tuesday 3/11/03, by President Fred Regennitter (K4IU), with 40 members and guests present.

### Reports

- Minutes from the February meeting were approved as posted on the web site.
- Treasurer's Report by Bob (KCØGND):
  - Checking:                 \$ 1479.92
  - Savings:                 \$ 4946.36
  - Cash:                     \$ 31.00
  - Undeposited Checks:   \$ 85.25
  - Total:                   \$ 6542.53
- Major transactions this period:
  - 501c3 donations - \$79.79
  - 2003 dues - \$95.00
  - Telephones - \$33.29
  - '.82 Repairs paid - \$532.24

### Committee Reports

- **Technical Committee** - Stew (WØSHL):
  - The .82 repeater amp failed, has been sent off and returned, and will likely be back up by the end of the week.
  - The .625 repeater replacement plan: replace the antenna and feedline first, then repair or replace the duplexer cans if needed. Finally, buy the repeater box itself. Expect approximately \$4000 total.
  - Voice over IP, EchoLink: the coordinating group has recommended a different auxiliary link setup. Following their approach would require 220 control, and is not feasible with our setup. We will study the recommendation.
  - The Echostation voice messaging system for the .82 has locked up again and is shut down. It might be a computer problem.
- **Public Service** - John (NØHZN):
  - Five events are scheduled (see the web site calendar). The Med City Marathon is first, May 25. For the Rochesterfest Parade, police coverage will be limited, and they will need better coordination with PA stands as well as well-coordinated radio coverage.
  - There will be a new public service event this fall, a 4H Shootout, in September.
- **ARES** - Steve (WØSTV):
  - There will be a regional event for Red Cross volunteers at St. Charles.
  - Mayo ARES has a new manager, and equipment is in place. They will require participation, 2 activities a year. Sign up with Steve if you wish to participate.
  - Skywarn training will be March 26 at Diggers in Kasson, and at other locations on nearby dates.
  - The CERT program does not appear to be compatible with the ARES services already committed, so ARES will not participate directly. Individuals may sign up with CERT if they

wish, but they should not expect to do both ARES and CERT service simultaneously in an emergency event.

- ARES will be next month's program. Suggestions or requests for topics to cover can be emailed to Steve, w0stv@arrl.org.
- **Membership** - John (KØKTY):
  - There are currently 116 members, but only 81 had paid before this meeting. We are likely to lose about 25, which is a bit lower than in the past. Our sources of new members are the fall class, hams who move into the area, new licensees, and former members.
  - There have been a number of updates to the web site.
  - Ideas for recruiting members: science fairs; the ARRL education project; a display at the mall for Field Day.

### **New Business:**

- Eric (KFØS) received a letter from RCTC about the summer "Kids College" program. There will be a course in radio and kits, and they would like a contribution. It was moved, seconded, and unanimously approved, to donate \$200 to the course, and to pursue club visibility in the course.

The meeting was adjourned at 7:50.

### **Program**

Following the meeting, John (NØHZN) gave a presentation on APRS trackers and showed examples of tracker kits.

Submitted by Peter N8MHD.

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## RARC Meeting Minutes - April 2003

The April meeting of the Rochester Amateur Radio Club was called to order at 7:00pm, Tuesday 4/8/03, by Vice President Erik VanNorman (KFØS), with 32 members and guests present.

### Reports

- Minutes from the March meeting were approved as posted on the web site.
- Treasurer's Report by Bob (KCØGND):

Checking: \$ 2202.59

Savings: \$ 4948.08

Cash: \$ 31.00

Undeposited Checks: \$ 20.00

Total: \$ 7201.67

Major transactions this period:

- 2003 dues - \$410.00
- Insurance Claim income - \$523.24
- United Way income - \$60.25
- Telephones - \$32.96
- RPU - \$42.00
- Club liability insurance - \$150.00
- '.82 Repairs - \$37.36

### Committee Reports

- **Technical Committee** - Stew (WØSHL):
  - The .82 repeater amp failed again, and has been sent off for repair again.
  - The .625 repeater replacement plan: Pat (NØADQ) has ordered an antenna, which will be installed by Mayo. The multiplexer cans will be checked at that time.
  - The .440 repeater is working fine, its air filters will be checked soon.
- **Public Service** - John (NØHZN):
  - The May 25 Med City Marathon will need about 25 people with HTs. The May 31 Tour de Cure will need about 10 people with mobiles. Other upcoming events are the Centurion in July, the Half Marathon in August, the 4H Shootout in September, the RochesterFest Parade, and the Winona bike race. Check the web site.
- **ARES** - Steve (WØSTV):
  - Message forms are available. ARES members should have a few in their go-pack.
  - ARES is now involved in the county IEMS.
- **Membership and Web Site** - John (KØKTY):
  - There are 4 new members, three from the SkyWarn class.
  - Over the past 7 years, 175 people have not renewed their membership, about 20% per year, now. Most of these are Techs, and "lost interest." The most likely new members are new hams.
  - There are several support steps the club can provide for new Techs: outreach, license help, exams, and complimentary membership. A limitation in the support the club provides now is that the license class is offered only once a year, and is 8 weeks long. A proposal: the club

could offer a Tech class on two successive Saturdays before an exam session. Also, we should consider classes for special groups, and upgrade classes. These would need a pool of instructors and elmers. We will follow up on this next meeting.

- **Field Day**
  - The Field Day site this year may be at Pat's (NØADQ) home. The site has many obvious advantages, but is isolated, and it would be harder to have public attention and casual drop-ins. Alternatives will be discussed next meeting.
- **DX** - Stew (WØSHL):
  - There has been a ham calling from Iraq, YI/KT4CK, Joe, on 15 m voice.

### **Old Business:**

- The RCTC summer "Kids College" program will run a course in radio and kits. The club has made a contribution, and will be represented somehow.

The meeting was adjourned at 8:00.

### **Program**

Following the meeting, Don Frank (ADØF), Section Emergency Coordinator, and Steve Wiebke (WØSTV), Olmsted County Emergency Coordinator, gave a presentation on ARES.

Submitted by Peter N8MHD.

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## RARC Meeting Minutes - May 2003

The May meeting of the Rochester Amateur Radio Club was called to order at 7:00pm, Tuesday 5/13/03, by President Fred Regennitter (K4IU), with 27 members and guests present.

### Reports

- Minutes from the March meeting were approved as posted on the web site.
- Treasurer's Report: Bob (KCØGND) was out of town, but his report was delivered by Peter (N8MHD).

Checking: \$ 2098.00

Savings: \$ 4950.28

Cash: \$ 31.00

Undeposited Checks: \$ 0.00

Total: \$ 7079.28

Major transactions this period:

- 2003 dues - \$85.00
- United Way income - \$55.24
- Telephones - \$33.15
- '.82 Repairs (Whitewater Wireless)- \$210.68

### Committee Reports

- **Technical Committee - Stew (WØSHL):**
  - The .82 repeater: the problems continue. It is an RF rich environment there, and testing is difficult. We are putting a higher quality power transistor in, and tuning the whole unit.
  - The first stage of the .625 repeater replacement is under way. Mayo will install the new antenna, a 19' fiberglass pole.
- **Public Service - John (NØHZN):**
  - The Med City Marathon is May 25, and the Tour de Cure is May 31. June 20 is the RochesterFest Parade, and the Great River bike race in Winona is June 14. Check the web site.
- **ARES - Steve (WØSTV):**
  - Practices and drills are coming up.
  - A supplemental ARES net has been started on Monday evenings.
- **Membership and Web Site - John (KØKTY):**
  - There are 102 members now. We lost 22 from last year.
  - Web: the Emergency Services page has been updated.
  - A license class will be offered on two Saturdays, followed closely by a regular exam session. Because of the change in the Tech question pool July 1, the first class will be in August. Potential students should be told about this.

### New Business:

- Be aware of the PLC/BPL proposal being considered by the FCC (Power Line Communications, or Broadband over Power Line). This is a major threat to Amateur Radio, and would essentially wipe out

HF communications. More information is available on the ARRL website.

The meeting was adjourned at 7:50.

### **Program**

Following the meeting, Pat Cahill (NØADQ) described the plans for Field Day. The site will be at Pat's home QTH, and we will have an SSB station, a CW station, a digital station (for a 3A classification), plus the VHF and GOTA stations allowed under the rules. Maps and other information are available on the web site.

Submitted by Peter N8MHD.

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## RARC Meeting Minutes - June 2003

The June meeting of the Rochester Amateur Radio Club was called to order at 7:00pm, Tuesday 6/10/03, by President Fred Regennitter (K4IU), with 35 members and guests present.

### Reports

- Approval of minutes from the May meeting was deferred till next meeting, since the minutes had been posted on the web site only hours before (due to the secretary being late and the webmaster out of town). The Treasurer's report was approved.

- Treasurer's Report: Bob (KCØGND).

Checking: \$ 2486.09

Savings: \$ 4951.69

Cash: \$ 31.00

Total: \$ 7468.78

Major transactions this period:

- Swapfest Gross income - \$347.00
- Swapfest Expense, Digger's - \$150.00
- State Farm refund - \$150.00
- Telephones - \$33.15
- IBM United Way income - \$55.24
- Dues - \$20.00

### Committee Reports

- **Technical Committee** - John (NØHZN):
  - The new antenna for the .625 repeater is expected to be installed July 7.
  - ARRL wants affiliated clubs to have 51% of RARC members to be ARRL members. There are advantages to RARC to be affiliated with ARRL. We will check to see how many members we now have, and will recruit more if needed.
- **Public Service** - John (NØHZN):
  - The Med City and Tour de Cure events went well. The June 20 Rochesterfest Parade needs more operators, as does the Great River Bike Festival. Other events are coming up, check the website.
- **Field Day** - Pat (NØADQ):
  - Field Day preparations are well under way. The site will be at Pat's rural homestead, check the website for maps and directions.
- **ARES** - Steve (WØSTV):
  - The IEMS van has been stripped out and is being redone. It will have 6 radios, a mast, and GPS. It will be used throughout SE Minnesota.
  - The EC net on Monday nights has had lots of participation. For the Sunday net, check in if you can.
  - If enough people are interested, we could get up a group purchase of yellow flasher lights or magnetic signs. (Remember, don't drive at highway speeds with the yellow flasher on -- just have it on while stopped and observing weather, or driving very slowly such as following a

bicycle.)

- Don (ADØF) is back from Jackson, TN, where he helped at a shelter after the F4 tornado there. The local EOC had been wiped out, and all local communications were out for several hours.

### **New Business:**

- Bob (KCØGND) has investigated our insurance situation. The club's liability insurance has ended. We have equipment and fire damage insurance through ARRL. ARRL offers liability, but not officer misconduct and dishonesty insurance. He will investigate further.

The meeting was adjourned at 7:45.

### **Program**

Following the meeting, the ARRL video "Amateur Radio Today" was shown.

Submitted by Peter N8MHD.

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## RARC Meeting Minutes - July 2003

The July meeting of the Rochester Amateur Radio Club was called to order at 7:00pm, Tuesday 7/11/03, by President Fred Regennitter (K4IU), with 39 members and guests present.

### Reports

- The June minutes were amended to state that yellow flashers can be used when driving very slowly, such as following a bicycle. The May and June minutes were approved as amended. The Treasurer's report was approved.
- Treasurer's Report: Bob (KCØGND).  
Checking: \$ 1467.51  
Savings: \$ 4954.37  
Cash: \$ 31.00  
Total: \$ 6442.00  
Major transactions this period:
  - .625 antenna - \$857.33
  - .820 new cables - \$294.28
  - Dues - \$45.00
  - Telephones & RPU - \$68.15
  - IBM United Way income - \$110.48

### Committee Reports

- **Technical Committee** - Stew (WØSHL):
  - The .82 repeater is dead, and needs replacing. It has been in for repairs four times. The most appropriate controller is the CAT1000, but there are several possible choices for the repeater. \$2950 has been pledged; we want a new 82 repeater, then go back to the .625 repeater and get it in good shape, and still have an adequate cash reserve left. The following motion was passed unanimously: The RARC members fully support the RARC Officers and Tech Committee and instruct them to make a final repeater purchase decision and place an order for that equipment. We further ask that they pick a solution that will incorporate the 625 repeater requirements.
- **Web and Membership** - John (KØKTY):
  - We now have 105 members. Photos of Field Day are up on the web site, along with pictures and updates on Public Service events. The Event Calendar is updated.
  - The Weekend License Class will be August 16 and 23, at the Red Cross building. A brochure is available, and copies have been placed in Radio Shack. Ten students have signed up so far, the limit is 12. Books for instructors will be bought by the club. The ten week license class will begin in September.
- **Public Service** - John (NØHZN):
  - Three events remain for this year: the Rochester Centurion, the Half Marathon, and the 4H Shootout in September.
- **ARES** - Steve (WØSTV):
  - The IEMS van work is progressing. ARES is now required to attend any official staging area, and provide communications.

The EC net on Monday nights has had lots of participation. For the Sunday net, check in if you can.

- On Wednesday nights at 9:00 there is an NTS net on .745, for training and traffic.
- The .625 repeater is now being used for tone alert, as an alternate to .82.

### **Announcements:**

- The club has been thanked by Jerry Nau (KØGQX) for its donation of \$200 to the College for Kids course, end of August.
- On Monday nights following the EC net, there is a general net.

The meeting was adjourned at 7:54.

### **Program**

Following the meeting, the program consisted of A Virtual Tour of members' radio shacks.

Submitted by Peter N8MHD.

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## RARC Meeting Minutes - September 2003

The September meeting of the Rochester Amateur Radio Club was called to order at 7:00pm, Tuesday 9/9/03, by President Fred Regennitter (K4IU), with 30 members and guests present.

### Reports

- The August RARC meeting was the Picnic at Foster Arend park, which was well attended and lots of fun. No minutes were taken for August. The July minutes were approved. The Treasurer's report was approved.

- Treasurer's Report: Bob (KCØGND).

Checking: \$ 1354.08

Savings: \$ 4956.03

Undeposited dues: \$ 25.00

Cash: \$ 30.00

Total: \$ 6365.11

Major transactions this period:

- Repeater Fund Income - \$3,850.00
- Other Tax Exempt donations - \$371.01
- Dues - \$70.00
- New '.82 Repeater- \$2958.99
- Repair old '.82 Repeater - \$278.00
- ARRL Liability Insurance - \$278.00
- Telephones - \$71.96
- Field Day and Picnic - \$225.69

### Committee Reports

- **Technical Committee** - John (NØHZN):

- The new 82 repeater has been taken off the air so it can be modified to remove the 2 sec delay when someone first uses the repeater. The supplier will do this at no charge. We had another mod done at the time of manufacture that allows any ctcss tone to be passed through the repeater. In order to do this a rather large capacitor was added. It takes 2 secs to charge the cap, thus causing the delay. The supplier will perform a mod to have the cap charged all the time.
- The old 82 machine is back and this is a good time to test it for any future times we may need it. We will now have the capability to service one and still be on the air. In order to test it we need to have it running and it can only run on the 82 freq. So for once, things worked out. Some autodials may not work until we get a chance to reprogram it.
- The 82 amp has failed again. I have talked with the vendor and they feel there must be a bad component and they will repair it.
- The amp at the Simpson site: we thought we had an antenna problem because the amp would go to SWR overload when used. We tried on the 82 site and got the same results. Then for a third test we took it to Stew's house and got the same results. Conclusion: the amp is bad. As of now we don't see any need to replace it. APRS is doing fine without it.
- The Astron power supply at Simpson: Murphy's law is alive and well. When we removed the

amp from the Simpson site we had to turn off the power supply. When we were done we tried to turn it back on. No luck, the switch is bad. I contacted Astron and they are sending a new switch. Simpson is now running off the power supply that had been used for the remote base.

- **Web and Membership** - John (KØKTY): John is in las Vegas. Eleven people from the weekend class will be testing at the VE session 9/11.
- **Public Service** - John (NØHZN):
  - We are done for the year. There may be an event February 14.
- **ARES** - Steve (WØSTV):
  - There will be a big drill 9/13, county wide, at the airport. Check your go packs.
- **Library** - Peter (N8MHD): We received a thank-you letter from the library for our donation of license manuals (Tech and Extra) and the Complete DXer.

### **New Business:**

- Eric (KFØS) proposed that the Christmas Party should be held at Dos Amigos, starting at 6:30. It was so moved and passed unanimously.

The meeting was adjourned at 7:30, a new record.

### **Program**

Following the meeting, the program consisted of a presentation by Don Franck (ADØF), with descriptions and pictures of the Red Cross deployments to disaster sites that he has participated in this year.

Submitted by Peter N8MHD.

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## RARC Meeting Minutes - October 2003

The October meeting of the Rochester Amateur Radio Club was called to order at 7:00pm, Tuesday 10/14/03, by President Fred Regennitter (K4IU), with 43 members and guests present.

### Reports

- The September minutes were approved with one correction ("Extra", not "Expert"). The treasurer's report was approved.
- Treasurer's Report: Bob (KCØGND).  
Checking: \$ 1358.43  
Savings: \$ 4956.87  
Cash: \$ 30.00  
Total: \$ 6345.30  
Major transactions this period:
  - Repeater Fund Income - \$155.00
  - IBM United Way donations - \$111.68
  - Dues - \$110.00
  - ARRL Equipment Insurance - \$298.00
  - Telephones - \$33.33
  - RPU - \$40.00

### Committee Reports

- **Technical Committee** - Stew (WØSHL):
  - The new 82 repeater is complete. The transmission delay is fixed, the amp is fixed (it had a bad capacitor), it has new cables and lightning protection. There remains one cable to repair, and we will probably want a new antenna next year.
  - The 625 repeater will be replaced with the same unit as the 82, and the old one will be kept as a spare. Mayo has put up the new antenna, and new hardline. We are looking for a cabinet. The new equipment will be purchased this month some time. We have enough money, and Mayo is considering making a large donation.
  - The 440 repeater is working fine. It will be checked and cleaned soon.
- **Web and Membership** - John (KØKTY):
  - At the end of August we had a license class, over two weekends. The class was well received, and we will offer it again. Of the 14 in the class, 9 have gotten new licenses, and 5 new members from the class are here tonight. We don't know yet whether we should offer another class before Christmas, or after. The Fall 10-week class got no sign-ups.
  - With 9 new members from the class, and another 4 from a family membership (resulting from the class), we now have 118 members.
  - A "findu" field has been added to the web site, for those with APRS. Also, there is a page for the new repeater functions.
- **Public Service** - John (NØHZN): We are done for the year. There may be an event February 14.
- **ARES** - Steve (WØSTV):
  - The regular ARES net is on the 82 repeater at 9:00pm. There is a message traffic net

Wednesdays at 9:00 on the 745.

- **Library** - Peter (N8MHD):
  - The club received a copy of the book "YASME: the Danny Weil and Colvin Dxpeditons" from the ARRL, from an anonymous contribution. It will be donated to the Rochester Library. Any club member who wants to read it before it's passed on to the library should contact me.
- **Scouts** - Bob (ABØBW):
  - JOTA, Jamboree On The Air, is this weekend. Volunteers are needed, starting at 9am Saturday 10/18 and going to 3pm Sunday. The location is at the GameHaven Council site, south on County 1, past Willow Creek School.
- **DX** - Stew (WØSHL):
  - Kan (7J4AAL) is building a 5 element Yagi, in Japan, for 80 meters.
  - Sweden has a new prefix, SC. This allows the call SCØUT for this weekend's JOTA.
  - For CQWW, the end of October, VP2E will have a large station on Anguilla.
  - The second annual WØDXCC convention, a DX conference, will be held in Bloomington this Saturday, 10/18.
- **EchoLink** - Bill (KØRGR):
  - The EchoLink capabilities are improved, and there are lots of new functions. Handouts are available, or see the web site.

### **New Business:**

- A Nominating Committee is needed to prepare a slate of officers. Anyone willing to serve on this should contact Fred.

### **Announcements:**

- The Monday Ragchew Net meets at 8pm on the 745 repeater.
- The Teen net has moved to Fridays, to avoid conflicting with another net.
- Hamfest Minnesota is next weekend, 10/25. Don (ADØF) will be driving a van up. If you want to ride with him, check in to the ARES net at 9pm Sunday 10/19 and say you want a seat. Expect to chip in for gas.

The meeting was adjourned at 7:36, a few minutes off last month's record but still very impressive.

### **Program**

The program consisted of a presentation by John Scott (NØHZN) of the new 82 repeater functions.

Submitted by Peter N8MHD.

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**ROCHESTER AMATEUR RADIO CLUB, INC.**  
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## RARC Members Tour Television Studios

As part of the November club meeting, RARC club members toured the new studios of KTTC and KXLT located on Bandel Road in northwest Rochester. The tour was hosted by Randy Brock (NØNVH), chief meteorologist for the television stations.

Photos by KØKTY



Television meteorologist Randy Brock NØNVH describes some of the computer technology used to prepare and display the weather data.



RARC members listen to Randy Brock during television studio tour.



A portion of the RARC club members who were present during the television studio tour.



The television studio tour also included the KTTC channel 10 master control room..

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**ROCHESTER AMATEUR RADIO CLUB, INC.**  
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## RARC Meeting Minutes - December 2003

The December meeting of the Rochester Amateur Radio Club was a brief part of the annual Holiday Party, held in the downstairs room at Dos Amigos 2 (on 4th St SE), Tuesday 12/9/03. The meeting was called to order at approximately 7:45pm, by President Fred Regennitter (K4IU), with 37 members and guests present.

### Reports

- There are no minutes from the November meeting, which was a visit to the KTTC broadcast studio. An account of the visit, with photo of Randy Brock, is on the web site.
- Treasurer's Report: Bob (KCØGND).
  - Checking: \$ 150.29
  - Savings: \$ 2758.47
  - Cash: \$ 25.00
  - Undeposited funds: \$ 140.84.00
  - Total: \$ 3074.60Major transactions this period:
  - 2004 Dues + \$205.00
  - New .625 repeater - \$3421.74

### Committee Reports

- **Technical Committee** - Stew (WØSHL):
  - The new .82 repeater is working well.
  - The new .625 repeater is in, and is being tested and programmed. It will be installed in the next couple of weeks.
  - The 440 repeater is being worked on.
- **Web and Membership** - John (KØKTY):
  - There will be another two-Saturday license class offered in February.

### New Business:

- The Nominating Committee nominated the current officers to their positions for next year, and no other nominations were proposed. The current officers were unanimously reelected.

The meeting was adjourned at approximately 8:00.

Submitted by Peter N8MHD.

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## RARC Meeting Minutes - January 2002

The January meeting of the Rochester Amateur Radio Club was called to order at 7:00pm, Tuesday 1/8/02, by President Dave Peterson (K7CJO), with 32 members present.

### Reports

- Minutes from both the November and December meetings were approved as posted on the web site.
- Treasurer's Report by Bob (KCØGND): Tuesday, January 8, 2002

Checking: \$ 1938.14

Savings: \$ 2423.34

Cash + Checks: \$ 181.00

Total: \$ 4542.48

Major transactions this period:

- 501C3 donation for uniform fund - \$500.00
- 2002 dues - \$225.00
- Telephones - \$49.26
- RPU - \$42.00

The FY2001 Annual Financial Report was presented and circulated at the meeting as required by the recently revised and approved bylaws.

### Committee Reports

- **Technical Committee** - Stew (WØSHL)
  - New members of the Technical committee are Pat NØADQ, Rob KCØFOW, and Bob NØEST. Committee meetings are Monday evenings before Tuesday club meetings, 7:00pm at the Red Cross building, and are open to all club members.
  - All repeaters are working fine.
  - The Simpson site is shut down. Discussions with KTTC are under way to clarify whether we can continue to use the site in the future. It is an excellent site, but needs work (SWR of 5) and discussing alternatives.
  - The watertower digipeater WØMXW-2 is running, and the amp from the Simpson site was installed. However, the water department has changed the locks for security, and access has become difficult. Discussions are under way.
  - Two proposals were brought to the committee: A Rochester Linux group is interested in developing a wireless ISP with RARC, and a crank-up tower was offered for sale. The Technical committee recommends "no" to both. If any club member wants to reconsider either one, it will need to be brought up as New Business.
  - An inventory of club equipment will be done in March.
- **ARES** - Steve (WØSTV)
  - New ARES ID cards are needed; all ARES members should fill out a form (available on the web site) and return to Steve. Pictures for the ID's will be taken next meeting.
  - The organizational structure of the ARES group is changing. The Mayo ARES group will remain as is; there will be an A team (high training and participation), a B team (irregular training and participation), and also a Mobile Assistance Team (ARES MAT), prepared to go

out to fairly distant emergencies and stay for a period. All club members not otherwise participating in ARES will become Associate ARES members, so that they can help out if needed.

- There will be ARES meetings this year for training. Also, Red Cross classes are available and free to ARES members.
- There will be a major drill in Fall of 2002, the TriState Nuclear drill at Prairie Island.
- For Skywarn, there is an issue with parking and safety. Roof flashers may be needed, Steve will look into what is available in the \$10-\$30 range.
- A new packet protocol, EOCPAC, is being tested.
- Net Control Operators are needed for the coming year.
- There will be a Skywarn class March 27 at Diggers in Kasson.
- Remember the breakfasts Saturdays 6:30-8:30 at Grandma's (Silver Lake), and the 8:00pm Monday ragchew nets.

### **Announcements:**

- The Plainview bike race has been moved to Winona, and the club there will take primary responsibility for communications.
- Preparation for next year's JOTA should start soon. Bob ABØBW will coordinate.
- Field Day will be June 22-23 (4th weekend in June). Preparation will begin soon. Pat NØADQ will coordinate, with help from Peter N8MHD.
- Testing sessions for the year are listed on the web site; March 14 is next.
- The Library donation project is actively looking for money. Peter N8MHD will coordinate.

The meeting was adjourned at 7:45.

### **Program**

Following the meeting, capabilities and features of the major logging programs were presented by Dave Naatz (KØVH), Stew Lewis(WØSHL), and Pat Cahill (NØADQ).

Submitted by Peter N8MHD.

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## RARC Meeting Minutes - February 2002

The February meeting of the Rochester Amateur Radio Club was called to order at 7:00pm, Tuesday 2/12/02, by President Dave Peterson (K7CJO), with 40 members and 7 guests present.

### Reports

- Minutes from the January meeting were approved as posted on the web site.
- Treasurer's Report by Bob (KCØGND): Tuesday, February 12, 2002

Checking: \$ 2290.85

Savings: \$ 2423.34

Cash + Checks: \$ 56.00

Total: \$ 4770.19

Major transactions this period:

- 501C3 donations - \$40.00
- 2002 dues - \$545.00
- Telephones - \$36.89
- '82 voice upgrade - \$170.40

### Committee Reports

- **Technical Committee - Stew (WØSHL)**
  - All Technical Committee members were present, plus 7 additional club members.
  - The 440 repeater is working OK (KCØFOW). K7CJO and WØSHL will check with Roger, WBØISF, for the repeater manuals. Mayo Clinic has been contacted to see if it would be possible to relocate the 440 repeater to the Gonda Building.
  - The 820 repeater is running OK (NØHZN). The stuck transmitter was found to be a Radisson guest with the mic caught between the seats of his parked auto. He apologized on the repeater sometime mid-Monday morning. An EchoStation "Announcement machine" has been installed at WØSHL's place. It allows for a very flexible announcement plan for the 82 repeater. This program can be used as a full featured repeater controller.
  - APRS (NØEST): The watertower digipeater WØMXW-2 is running, but has developed a feed line or antenna problem. The Amp planned for there could not be used. We are still working on the problem at the Simpson APRS site. More on this next month.
  - The 625 repeater is running OK (NØADQ). iLink has been running on the repeater. Check any of the several iLink Web Sites for details or contact Bill, WFØH. He gave an overview of iLink and what he has been working on. WØSHL, earlier, gave Bill permission to run some experiments using iLink on the 625 repeater. The Technical committee agreed to have Bill continue working on iLink and the 625 repeater. Bill described iLink briefly as a way of linking repeaters or individual stations through the internet.
  - No location has been found for a Club Station. So, next month, we will review the equipment owned by the Club. The plan is to develop inventory list of items we should keep and what we should sell or give away. More on the recommendations at the March meeting.
- **Membership - John (KØKTY):**
  - A new committee has been established to increase membership. John has contacted class



- members, past members, and area non-members, sending out about 200 invitations.
- Help is needed to provide a visible club presence at events.
- **Boy Scouts** - Bob (ABØBW):
  - Interaction with the Boy Scout council has begun.
- **Public Service** - Pam (KCØCJM) and John (NØHZN):
  - The Med City Marathon is coming up May 26. A co-chair is needed.
  - Three bicycle races and Rochesterfest are on the schedule, with dates on the web site.
- **Library** - Peter (N8MHD):
  - Barnes and Noble has a fundraising program. This would need to be a club activity, not limited to the library project.
  - A copy of the ARRL CD "Introduction to Morse Code" was contributed by Art (KCØJKP). It will be included in the donation to the library.
- **ARES** - Bob (NØEST):
  - A reminder, new ARES ID cards are needed; all ARES members should fill out a form (available on the web site) and have a picture taken.
  - There will be a Red Cross class Feb 24, 9-4, on Basic RED Cross Communications. Call to register; it requires Introduction to Disasters as a prerequisite.
  - New Net Control Operators for the Sunday night nets are encouraged to sign up.
  - Yellow flashing lights for car roofs are being ordered for Skywarn.
  - There will be a Skywarn class March 27 at Diggers in Kasson.

The meeting was adjourned at 8:00.

## Program

Following the meeting, a great program was presented by Todd Shea and Tom O'Brien of the LaCrosse National Weather Service station.

Submitted by Peter N8MHD.

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## RARC Meeting Minutes - March 2002

The March meeting of the Rochester Amateur Radio Club was called to order at 7:00pm, Tuesday 3/12/02, by President Dave Peterson (K7CJO), with 38 members and 1 guest present.

### Reports

- Minutes from the February meeting were approved as posted on the web site.
- Treasurer's Report by Bob (KCØGND): Tuesday, March 12, 2002

Checking: \$ 2292.74

Savings: \$ 2425.40

Cash + Checks: \$ 31.00

Total: \$ 4749.14

Major transactions this period:

- 2002 dues - \$580.00
- URL registration (thru 2003) - \$70.00
- Web Site hosting - \$119.88
- Recruiting mailing - \$96.32
- Telephones - \$40.91
- Liability Insurance - \$250.00

### Committee Reports

- **Technical Committee** - Stew (WØSHL)
  - All but one of the Technical Committee members were present, plus 6 additional club members.
  - All voice repeaters are working ok.
  - APRS (NØEST): The problem at the Simpson site turned out to be a worn-through feed line. It has been replaced by hard line from Roger, WBØISF, and the digipeater is now working fine. The remote base has been disconnected since it no longer works.
  - The 625 repeater: iLink is running on this repeater and is getting some use.
  - The Red Cross can't allow us to have a Club Station. We reviewed the equipment owned by the Club and stored at the Red Cross. Several pieces of equipment will be sold at the SwapFest this coming June.
  - The Club antenna/tower trailer need some maintenance. Tires, wheel bearings, some welding, new cable, etc. The technical committee will review it in the Spring and make a recommendation as to what the Club should do. We also have 4 10foot sections of Rohn 25G tower, that can be used during a disaster and for Field Day.
  - Next month we will work on the Focus Items as collected at a special Technical Committee meeting conducted last month.
- **Membership** - John (KØKTY):
  - 4 new members have joined, for a total of 121. 30 members haven't paid as of today.
- **Boy Scouts** - Bob (ABØBW):
  - We will visit with the Council in April.
- **Public Service** - Pam (KCØCJM) and John (NØHZN):
  - A number of events are on the schedule as listed on the web site, including the Med City

Marathon on Memorial Day, the Touchstone bike race, a half marathon, the Rochester Centurion bike race, and the RochesterFest Parade.

- **Library** - Peter (N8MHD):
  - \$125 has been donated or pledged to the library project. Approximately \$50 more is needed to purchase the ARRL package for the Rochester Public Library.
  - A copy of the ARRL CD "Introduction to Morse Code" was contributed by Art (KCØJKP). It will be included in the donation to the library.
- **ARES** - Steve (WØSTV):
  - The warning lights for Skywarn are in.
  - ARES IDs need to be signed before being laminated.
  - A contact for the ARES HF net is needed.
  - In connection with Homeland Security, ARES needs to be more structured, and more reliably available. There will be ARES meetings, probably quarterly, and a lot of practice before the major 3-state drill in October.
  - The ARESpac packet program is being updated to Windows, and will make use of forms for efficient messaging.
  - There is a Foxhunt Sundays at 7pm using the input frequency to the 82 repeater.
  - Yellow t-shirts (the ARES uniform) are available now at Sam's Club.
  - There will be a Skywarn class March 27 at Diggers in Kasson.

### **New Business:**

- Bob (KCØGND) submitted a motion providing for discounted partial-year memberships. New members joining in the second quarter (April-June) will receive a \$5 discount; new members joining in the third quarter will receive a \$10 discount; and new members joining in the fourth quarter (October-December) will receive free membership with payment of the next year's dues. A new member is defined as an individual/family who has never been a member OR an individual/family who has not been a member for two or more years. In accordance with the bylaws, this motion will be voted on at the next meeting, April 9.

### **Announcements:**

- The Swapfest will be June 9 at Diggers.
- A free Red Cross CPR course will be offered March 16. Other Red Cross courses are required for Red Cross communication volunteers; call the desk for the schedule.

The meeting was adjourned at 7:53.

### **Program**

Following the meeting, John (NØHZN) presented a Virtual Tour of the club's repeaters, showing the sites and equipment. Then, he demonstrated several of the lesser-known features of the 82 repeater. A handout with these features is available.

Submitted by Peter (N8MHD).

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## RARC Meeting Minutes - May 2002

The May meeting of the Rochester Amateur Radio Club was called to order at 7:00pm, Tuesday 5/14/02, by President Dave Peterson (K7CJO), with 15 members and 3 guests present.

### Reports

- Minutes from the April meeting were approved as posted on the web site.
- Treasurer's Report: Bob (KCØGND) is out of town. He reported (through Peter, N8MHD), that there were no unusual expenses this month. A full report will be made next month.

### Committee Reports

- **Technical Committee** - Stew (WØSHL) is at Dayton, report by Peter (N8MHD):
  - Stew's echo station (voice identifier for the .82 repeater) locked up a second time, and has been turned off.
  - All repeaters and other sites are working well.
  - A collection of antique radio and electronic gear has been located. Some items will be sold at an antique radio hamfest this weekend, some at hamfests coming up, and some on ebay. Proceeds will be go half to the original owner and half to the club.
  - Dave (KØVH) reports that it sometimes appears that iLink, on the .625 repeater, is being affected by Mayo paging. If you have problems, take notes and report details to him.
- **Programs** - Dave (KØVH):
  - June's program will be about Field Day; July's will be a visit from Jay (KØQB) talking about ITU, the possible new 5Mhz band, updates on antenna restriction legislation, the Big Project and any other ARRL related topics of interest; and the August meeting will be the picnic.
- **Membership** - John (KØKTY):
  - The club now has 105 members. The web site has been updated, with new information in the APRS section, with some new links, and in the DX net section.
- **Boy Scouts** - Bob (ABØBW):
  - Bob has visited the Scouting Round Table. Fant Steele has an 85 foot wood pole at the JOTA site.
- **Public Service** - Pam (KCØCJM) and Peter (N8MHD):
  - The Med City Marathon is coming up May 26.
  - Three bicycle races, Rochesterfest, and a half marathon are on the schedule, with dates on the web site. For the June2 bike race, 12 people with mobile rigs, plus one or two bikers with HTs are needed. For the June 14 race, the Winona club will probably need some help, but how much is not known yet. The Rochesterfest Parade needs 9 operators with HTs. The July race needs 10-12 people with mobile rigs, plus maybe a portable digipeater and crossband repeater. The half marathon needs 1 or 2 bikes with APRS. Contact John (NØHZN), or Steve (WØSTV) for the Parade.
- **Library** - Peter (N8MHD):
  - The ARRL Library package has been delivered to the Rochester Library, and will be catalogued and on the shelves soon.
- **ARES**:
  - Don (KCØIDP) reports that the Orange Hazmat book is available as a download, for PC or

handheld, at [hazmat.dot.gov/gydebook.htm](http://hazmat.dot.gov/gydebook.htm) , with readers needed for handhelds. The addresses are posted on the web site.

The meeting was adjourned at 7:45.

## **Program**

Following the meeting, everybody drove over to the Silver Lake Power Plant, where Ken Allen conducted a fascinating tour.

Submitted by Peter N8MHD.

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## RARC Meeting Minutes - June 2002

The June meeting of the Rochester Amateur Radio Club was called to order at 7:00pm, Tuesday 6/11/02, by President Dave Peterson (K7CJO), with 22 members and 1 guest present.

### Reports

- Minutes from the May meeting were approved as posted on the web site.
- Treasurer's Report by Bob (KCØGND): Tuesday, June 11, 2002

Checking: \$ 1605.06

Savings: \$ 3928.36

Cash + Checks: \$ 31.00

Total: \$ 5564.42

Major transactions this period (April and May):

- Swapfest net income - \$171.00
- Swapfest club "treasures" sales - \$80.00
- United Way income - \$39.08
- Library Fund expense - \$200.00
- Telephones - \$81.82
- Sale of "Farmer" antique equip - \$336.50 (50% to Club)

### Committee Reports

- **Technical Committee**
  - no report, everything seems to be working.
- **Boy Scouts** - Bob (ABØBW):
  - Still working on getting the huge pole up at the JOTA site.
- **Public Service** - John (NØHZN):
  - The Med City Marathon is and the Tour de Cure went well. The Great River bike race is this Friday, and 4-5 people may be needed. The Rochesterfest parade is June 21, Centurion bike race is the 2nd week in July, and the half marathon is in August. Check the web site for details.
- **Library** - Peter (N8MHD):
  - The books from the last donation to the Rochester Public Library are in circulation. Some additional books might be good, and donations to the Library Fund are encouraged.
- **ARES** - Don (KCØIDP):
  - An Emergency Manager logging program is available to evaluate, ask Don.
  - Roseau is flooded, and the Red Cross is active there.
- **Swapfest** - Bob (KCØGND):
  - The Swap was successful, attendance was down slightly from last year but vendors were happy. We are likely to do it again next year, with only small modifications. Suggestions for improvements are encouraged.

### Announcements:

- There will be a license testing session this Thursday, 6:30, at the Red Cross building.

The meeting was adjourned at 7:20.

## **Program**

Following the meeting, Pat (NØADQ) described the plans for Field Day, coming up June 22-23. We will start setting up Saturday morning after breakfast at Grandma's, and run from 1:00pm Saturday to about 11:00am Sunday. We will be 3A this year, with a phone station, a CW station, and a digital station, plus a VHF station, a GOTA (Get on the Air) training station, and a monitoring station. Most of the extra point activities have people taking charge of them, but we still need people to handle media publicity, message origination, satellite QSO, and demonstration modes such as SSTV. Dinner will be grill + potluck, like last year.

Submitted by Peter N8MHD.

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## RARC Meeting Minutes - July 2002

The July meeting of the Rochester Amateur Radio Club was called to order at 7:00pm, Tuesday 7/9/02, by President Dave Peterson (K7CJO), with 25 members and 7 guests present.

### Reports

- Minutes from the June meeting were approved as posted on the web site.
- Treasurer's Report by Bob (KCØGND): Tuesday, July 9, 2002

Checking:           \$ 1217.04  
Savings:            \$ 3929.86  
Cash + Checks:     \$ 31.00  
Undeposited funds: \$ 59.08  
Total:               \$ 5236.98

#### Major transactions this period:

- IBM United Way income - \$39.08
- Sales of antique equip - \$20.00
- Payment for antique Equip - \$178.25
- Field Day expense - \$125.86
- Telephones - \$40.90
- RPU - \$42.00

### Committee Reports

- **Technical Committee** - John (NØHZN):
  - The .82 repeater amplifier failed, and was fixed. It will likely fail again soon. If you hear a problem with the repeater, let the tech committee know.
- **Boy Scouts** - Bob (ABØBW):
  - Still working on getting the huge pole up at the JOTA site.
- **Public Service** - John (NØHZN):
  - We've had very successful events so far this year. The two upcoming events are the Rochester Centurion bike race this Saturday, and the half-marathon August 17. Check the web site for details.
- **Library** - Peter (N8MHD):
  - no report.
- **ARES** - Steve (WØSTV):
  - ID cards are being distributed. If you haven't got yours yet, check with Steve.
  - Please check in to the Sunday night net if you possibly can.
  - Mayo radios are being reprogrammed. Security is tight at Mayo now, and procedures will need to be revised.
  - We may get a standard ARES vest for operations.
- **Field Day**
  - A preliminary report is posted on the web site. QSO's were very much better than last year, and total points were better.

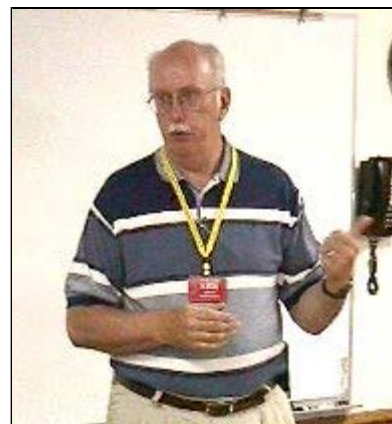
## Announcements:

- The August picnic is planned for August 17, starting at 11:00. Bring a grill if you can, the club will provide charcoal. Bring meat to cook and a dish to pass. Bring your own utensils and beverage. There will be a foxhunt (transmitter hunt) exercise. The location is not decided yet; in discussion, people supported Foster Arend, Oxbow, and Quarry Hill parks, as well as Chester Woods. Check the web site for the final choice.

The meeting was adjourned at 7:35.

## Program

Following the meeting, Jay Bellows spoke. He is the director of the Dakota Division of the ARRL (our region). He discussed a wide variety of topics, ranging from the structure of the ARRL to PRB-1 to international spectrum issues. Some ARRL activities directly relevant to our club include the possibility of offering emergency communications courses in Rochester; the internet logbook for certificates, coming soon; and the ARRL Big Project, interacting with schools.



Jay Bellows, KØQB, ARRL Dakota  
Division Director  
Photo by KØKTY

Submitted by Peter N8MHD.

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## RARC Picnic

The fifth annual RARC Picnic was held on Tuesday, August 12, 2003, at Foster Arend park in north center Rochester. About 30 club members and their family members enjoyed the beautiful evening at the park. A very brief business meeting was held to give club members an update on the status of the new 146.82 club repeater.

Several RARC members brought radio equipment to operate and demonstrate. Randall Trapp set up a monitor station at the picnic site.



RARC club president, Fred K4IU (left) and Stew WØSHL give club members a brief update on the fund raising status for the new 146.82 club repeater.



Club vice president Eric KFØS (on right) chats with Tony ABØSM and his wife during the club picnic.

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*Last update: February 17, 2008*





**ROCHESTER AMATEUR RADIO CLUB, INC.**  
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## RARC Meeting Minutes - September 2002

The September meeting of the Rochester Amateur Radio Club was called to order at 7:00pm, Tuesday 9/10/02, by President Dave Peterson (K7CJO), with 19 members present.

### Reports

- Minutes from the July meeting were approved as posted on the web site. There was no meeting in August, with a picnic instead.
- Treasurer's Report by Bob (KCØGND): Tuesday, September 10, 2002
  - Checking: \$ 1103.27
  - Savings: \$ 4933.79
  - Cash + Checks: \$ 41.00
  - Total: \$ 6078.06
- Major transactions this period:
  - IBM Grant - \$1000.00
  - New member dues - \$10.00
  - Telephones - \$106.85
  - '.82 Repair - \$65.00

### Committee Reports

- **Technical Committee** - Bob (NØEST):
  - Three sections of tower will be sold to Dave, who will donate it to Red Cross.
  - The .82 amp is in for repairs.
  - The DX node that Stew has been running will be shut down.
  - The phone line to the remote base will be disconnected.
  - An old HF radio that the club owns will be sold for \$225 to a club member or \$300 to a nonmember.
  - Current projects: the .82 amp is being fixed; a 2 meter rig is being bought to replace the borrowed rig being used as a digipeater; the .625 repeater will be replaced in pieces, starting with hardline and antenna.
- **Boy Scouts** - Bob (ABØBW):
  - JOTA is the third weekend in October. We are going to the district to publicize to local scout troops.
- **Public Service** - John (NØHZN):
  - Done for the year.
- **ARES** - Steve (WØSTV):
  - New radios are in. AECs will meet soon. More APRS checkins are needed on the Sunday net. Member ID cards are still being updated. Hamfests are coming up, check the Coming Events schedule on the web site; we can carpool.
  - There will be no foxhunt this month; it is normally the Sunday after the club meeting at 7 pm.
- **Membership** - John (KØKTY):
  - The annual dues drive is starting up. We now have 106 members, about half Tech, a quarter General, and a quarter Extra. 85% live in Rochester. Approximately two thirds of the club



members don't participate. Encourage all members to return.

### **Announcements:**

- A Red Cross Damage Assessment Course is coming up.

The meeting was adjourned at 7:50.

### **Program**

Following the meeting, Bill (KØRGR) described the systems that allow linking radios (including repeaters) with the internet (Amateur Voice Over IP), including ILink and EchoLink.

Submitted by Peter N8MHD.

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**ROCHESTER AMATEUR RADIO CLUB, INC.**  
P. O. BOX 1, ROCHESTER, MN 55903

## RARC Meeting Minutes - October 2002

The October meeting of the Rochester Amateur Radio Club was called to order at 7:00pm, Tuesday 10/8/02, by President Dave Peterson (K7CJO), with 23 members and guests present.

### Reports

- Minutes from the September meeting were briefly posted on the web site with a year-old Treasurer's report, due to inattentive cutting and pasting by the Secretary. Fortunately, the Treasurer noticed the error, and the minutes were corrected before the meeting. Minutes were approved as posted, corrected, on the web site.

- Treasurer's Report by Bob (KCØGND): Tuesday, October 8, 2002

Checking: \$ 703.48

Savings: \$ 4936.02

Cash: \$ 41.00

Undeposited checks: \$ 139.08

Total: \$ 5819.58

Major transactions this period:

- IBM United Way income - \$39.08
- Sale of Tower for Red Cross - \$100.00
- Equipment Insurance - \$299.00
- Telephones - \$40.25
- '.82 Repair - \$12.64
- WØMXW-2 borrowed radio replacement - \$139.98
- RPU 4Q02 - \$45.00

IRS Plan for 1 year operational (~\$2,000) coverage:

- Reserve for uninsured equipment failure - \$3,900 (.625 Repeater)
- Six (6) month's fixed operating expense - \$1,000
- Total, Minimum Reserve: \$4,900

### Committee Reports

- **Technical Committee** - Stew (WØSHL):
  - The .82 amp has been evaluated. It was hit by lightning, and repairs would be about \$300. It will be replaced by a new amp. Most of the cost will be covered by insurance.
  - The .625 repeater is being replaced, in stages. Pat (NØADQ) is collecting information, and will put together a summary for the Tech Committee.
  - The DX node that Stew has been running has been shut down. One person (not a club member) commented that he missed it.
  - The phone line to the remote base will be disconnected as soon as billing has been corrected.
  - APRS is working fine. A new 2 meter rig has been swapped to Bob (NØEST) for his rig that is in place in the water tower.
- **Boy Scouts** - Bob (ABØBW):
  - JOTA is 48 hours starting midnight October 18. The 65 foot pole will be up for antennas. There will be a tent, and a table and chairs are needed. We will start setting up about 1:00pm Friday

afternoon.

- **ARES** - Steve (WØSTV):
  - 35 ARES vests have been received. New radios have been installed at both hospitals; we will try to have a drill each month, but security is an issue. The IEMS van will be refurbished, emphasizing ham radio, sometime after January, when the budget is known.
  - The Camporama coming up October 19 is an opportunity to drill with K-9 and other county groups.
- **Membership** - Peter (N8MHD) for John (KØKTY):
  - No major updates or changes in membership, 106 current members. John attended the first session of the ham radio class on September 19 to introduce the students to RARC. Students receive a year's free membership.
  - Normal updates on the web site. Past issues of the RARC Flyer have been removed, since the last issue was September 2001.
- **Nominating Committee** - Steve (WØSTV): We want 8 candidates for club offices, by next meeting.

### **Announcements:**

- Hamfest MN is coming up 10/26. Don (ADØF) will be driving a van up.
- The Skywarn fall banquet is at Byron, 10/26.
- Don (ADØF) was in Biloxi, Mississippi, doing "mass care" for the Red Cross, for hurricanes Isadore and Lily. He worked in a mobile feeding station, serving 700 people in 10 days.
- Comm. 101, the Red Cross communication class, is coming up Nov. 9. You need to be registered as a RC volunteer and view the introductory video. To register, call 507-287-2200 or send an e-mail to [chapter@redcross-semn.org](mailto:chapter@redcross-semn.org).

The meeting was adjourned at 7:40.

### **Program**

Following the meeting, Fant (AA5F) gave a presentation on Amateur Satellite communications.

Submitted by Peter N8MHD.

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**ROCHESTER AMATEUR RADIO CLUB, INC.**  
 P. O. BOX 1, ROCHESTER, MN 55903

## RARC Meeting Minutes - November 2002

The November meeting of the Rochester Amateur Radio Club was called to order at 7:30pm, Tuesday 11/12/02, by President Dave Peterson (K7CJO), with 33 members and guests present. The unusually late start time was due to the program being presented before the meeting rather than after, see below.

### Reports

- Minutes from the October meeting were approved as posted on the web site.
- Treasurer's Report by Bob (KCØGND): Tuesday, November 12, 2002. Dues for 2003 are being collected!

Checking: \$ 76.43

Savings: \$ 4937.99

Cash: \$ 31.00

Undeposited Checks: \$ 139.08

Total: \$ 5186.50

Major transactions this period:

- 501c3 donations - \$64.08
- 2003 dues - \$75.00
- Telephones - \$42.24
- '.82 Repair (new amp) - \$608.81 (insured loss)

### Committee Reports

- **Technical Committee** - Stew (WØSHL):
  - The .82 repeater repair saga continues. The old amp was declared dead, and a new replacement has been purchased. The lightning that killed the amp also damaged the controller, and there are other problems. Repairs are in progress, and the repeater will be shut down for 2 to 4 weeks till everything is in place.
- **Boy Scouts** - Bob (ABØBW):
  - JOTA report: 3 club members ran a station, and about 8 scouts attended, for a very successful session.
- **Membership** - John (KØKTY):
  - There are two new members, for a total of 108 now.
- **Class** - Niel (WØVLZ):
  - There are 5 students in the class, and it is going well. There are 3 sessions to go before the exam session.
- **DX** - Stew (WØSHL):
  - Stew will be giving a monthly DX report, to help increase DX activity in the club.
- **Nominations** - John (NØHZN):
  - The nominating committee presented its proposed slate of candidates for club offices: President, Fred (K4IU); VP, Erik (KFØS); Treasurer, Bob (KCØGND); and Secretary, Peter (N8MHD). Final voting will be next month, at the December party/meeting.

### Announcements:

- Next month's meeting will be a party, Tuesday December 10, 7:00pm, at the Dos Amigos restaurant downtown. Check the website for details.
- The next license exam session will be Thursday, December 12, at the Red Cross building.

The meeting was adjourned at 8:00.

### **Program**

Before the meeting, Bob Oesterlin (NØEST) presented a talk prepared by Tony Drumm (AAØSM) on "Advanced APRS". Tony had been called out of town by work, and Bob had to leave early, so the program had to be given first. It was an excellent program in spite of the scheduling difficulties, describing the underlying organization of the APRS repeater network and some of its less well-known capabilities.

Submitted by Peter N8MHD.

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**ROCHESTER AMATEUR RADIO CLUB, INC.**  
P. O. BOX 1, ROCHESTER, MN 55903

## RARC Meeting Minutes - December 2002

The December meeting of the Rochester Amateur Radio Club took place as part of the annual party, which was held this year at Dos Amigos restaurant. The formal meeting was called to order at 8:04pm, Tuesday 12/10/02, by outgoing President Dave Peterson (K7CJO), with 38 members, family, and guests present.

### Reports

- Minutes from the November meeting were approved as posted on the web site.
- Treasurer's Report by Bob (KCØGND): Tuesday, December 10, 2002. Dues for 2003 are being collected!

Checking:                 \$ 427.43

Savings:                 \$ 4940.16

Cash:                     \$ 31.00

Undeposited Checks:   \$ 85.00

Total:                   \$ 5483.49

Major transactions this period:

- 2003 dues - \$415.00
- Telephones - \$42.08

### Committee Reports

- **Nominations** - Stew (WØSHL):
  - The nominating committee presented its slate of candidates for club offices: President, Fred (K4IU); VP, Erik (KFØS); Treasurer, Bob (KCØGND); and Secretary, Peter (N8MHD). The slate was elected unanimously. Stew noted that Dave (K7CJO) has been president for 4 years in a row, and has brought the club back together. We all appreciate his hard work.

The meeting was adjourned at 8:06.

### Program

The program consisted of "show and tell" of new or newly acquired equipment. Neil (WØVLZ) showed off his 1928 regenerative receiver, which is part of a 1940's era ham station, and his Elecraft K1 along with a map of QSO's on 20 meters. Steve (WØSTV) had a walking stick with attached antenna, which he uses with a pocket brick for ARES. Dave (KØVH) had an antique D104 mike with a new Heil element. Fred (K4IU) showed his Yaesu 817. And Chuck N2DUP showed QSL cards prepared with Quark and a printer, and proceeded to read a Ham version of "Twas the night before Christmas". Overall, a good party and fun meeting.

Submitted by Peter N8MHD.

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**ROCHESTER AMATEUR RADIO CLUB, INC.**  
P. O. BOX 1, ROCHESTER, MN 55903

## RARC Club Meetings - 2001

RARC club meetings are held each month on the second Tuesday of the month at 7:00 p.m.. The meetings are at the [American Red Cross Building, 310 14th Street SW.](#) Visitors are welcome.

### RARC Meeting Minutes

Click on a month in the following table to go to the RARC meeting minutes.

2000   [Jan](#)   [Feb](#)   [Mar](#)   [Apr](#)   [May](#)   [Jun](#)   [Jul](#)   Aug   [Sep](#)   [Oct](#)   [Nov](#)   [Dec](#)

### Meeting Highlights - January, 2001

The January meeting of Rochester Amateur Radio Club was called to order at 7:00 PM by President Dave Peterson, K7CJO. Introductions were held with 24 members present.

### Reports

- Secretary's report by Stew, W0SHL, was approved.
- Treasurer's Report by Bob, KCØGND, was approved.
  - Cash - \$245.00
  - Checking \$1058.48
  - Savings - \$1409.85

### Committee Reports

- **Public Service** – Peggy, KCØCNE, not present.
  - John, NØHZN, reported that there are 4 events this summer so far.
    - The Med-City Marathon Memorial day
    - The American Diabetes Association Tour De Cure on June 2nd (Sat).
    - Touchtone Bicycle festival on June 16th
    - Centurion Bike ride in early July
- **Technical Committee** – John NØHZN
  - WØMXW repeater is off the air and has been sent in for maintenance and updates. Please listen to 146.220 for people trying to access the repeater. Also the 146.625 or 147.645 repeaters are available.
- **Repeater Control Op** – Roger, WBØISF, not present/no report.
- **ARES** - Steve KBØPSS
  - ARES will be forming into two groups. An A-team will be made of members that have been part of drills, call outs, and have checked in with the ARES Sunday evening nets. The B-team will consist of all other registered members. This does not in any way limit anyone from participating in AREC, but will help in an ARES call up for radio operators.
  - ARES Sunday night nets will be held on 146.745 (pl 136.5) until the 146.820 repeater is back on line again. All members of RARC Olmsted ARES should check into the nets at 2100 hrs. The ARRL News Letter is transmitted after the net.

- Each month, on the Sunday after our monthly RARC meeting, there will be a "gator" hunt. The hunt will be held just after the net. The first one will be held on January 14th net. This is a variation of a "fox" hunt. We'll be using the input of the 146.625 repeater (146.025). Check in and see how this works.
- ARES is looking for more people interested in becoming ARES net control station operators. There will be ARES personnel to assist you on your first few time at NCS, so don't feel this will be a test by fire. If interested call KB0PSS or contact him on the Sunday night net.
- The first NWS Skywarn class will be held on March 28 at Diggers in Kasson. There will also be a non-certified Storm Chaser class at the American Legion in Stewartville on February 22 starting at 7:00PM.
- Anyone interested in taking qualified ARES Red Cross classes contact KB0PSS.
- There will be several ARES members going to Duluth on February 3 though the 6 to help with communication for the John BearGrease Dog Race. Anyone interested in going contact KB0PSS.
- Steve also talked about the Public Service Honor Roll (PSHR) and passed out a sheet with details.
- **Education** – Mel, KC0P  
Mel reported that the last Amateur Radio Class had 6 students. All passed various levels of testing. KC0JKO, Rob, a new General Class, attended our meeting. Those who graduated the Amateur Radio classes are given a membership to the RARC for the current year.

## **New Business**

- Dave K7CJO announced that RARC will have a recruiting booth at the Skywarn Classes.
- Bill, AC0W, from Austin, gave a report for the Minnesota QSO Party to be held on February 3th. All members present received a copy of the details for this event. You can see the RARC Web Page for more details.
- John, K0KTY, gave an update on the RARC Web page.
- Pat, N0ADQ, talked about Field Day. It is held on the 4th weekend in June. (Note: This was originally stated as the "4th weekend in July." The Field Day dates are June 23 and 24, 2001. Corrected by Stew, W0SHL, RARC Secretary). The Secretary was asked to send a letter to the Sisters at Assisi Heights requesting the use of the land for the event.
- Mel, KC0P, talked about the January VHF Sweepstakes. He handed out the reporting forms and summarized the rules for the contest. See the RARC Web page for additional details or links.
- John, N0HZN, reported that Midwinter Madness will be held at Concordia University in St Paul, MN on March 24th – 8:30AM to 3:00PM.
- John, N0HZN, reported that a group of Club members who are interested in APRS will travel to Austin for their next club meeting. A presentation will be given for installing an APRS repeater in the Austin area.
- John, K0KTY talked about "Project Focus." Everyone was asked to fill out a questionnaire and attend a meeting to generate ideas that would make the Club more valuable to the Amateur Radio Operators and to the community at large.
- Georg, N0CET, donated the prize he received at the 2000 Skywarn class to the RARC. A drawing for the Gift certificate to Aviary Restaurant was held and \$9.00 was collected for the Club.

Adjourned @ 8:15 PM

## **Program**

Pat, N0ADQ, gave a presentation on operating mobile HF. He showed the equipment he uses including "screwdriver" antenna. He made several excellent suggestions on getting started operating mobile, some safety items, and some of his own experiences.

Submitted by Stew, W0SHL



## Meeting Highlights - February, 2001

The February meeting of Rochester Amateur Radio Club was called to order at 7:00 PM by President Dave Peterson, K7CJO. Introductions were held with 36 members present.

### Reports

- Secretary's report by Stew, WØSHL, was approved with 1 correction.
- The Treasure's report for yearend 2000 was circulated at the January meeting.

Treasurer's Report for Tuesday, February 13, 2001, by Bob, KCØGND, was approved.

Checking: \$ 1603.68

Savings: \$ 1411.22

Cash & Checks: \$ 170.00

Total: \$3184.90

Note: Above does not include outstanding bill of \$400 plus shipping for the 82 repeater repairs.

### Committee Reports

- Public Service - Peggy, KCØCNE, reported that there are 4 events being planned
  - The Med-City Marathon Memorial day
  - The American Diabetes Association Tour De Cure on June 2nd (Sat).
  - Touchtone Bicycle festival on June 16th
  - Centurion Bike ride in early July

She asked for volunteers to help coordinate and to work at these events.
- Technical Committee - Bob, NØEST, with John, NØHZN, reporting o WØMXW repeater is back on the air. Several fixes were made to it. Stew, WØSHL, and John, NØHZN, are working on the communication link to the repeater.
- The technical committee is looking into moving the APRS repeater from the Simpson to a water tower in Elton Hills. More next month. Everything else is running OK.
- Repeater Control Op - Roger, WBØISF, reported no changes.
- ARES - Steve KBØPSS
  - Steve is working on a drill for Olmsted Country
  - New net control list for the ARES Sunday night list is now available on the Web page.
  - Gator hunt will be held on 146.625 on Sunday night, February 18th, after the net.
  - Mayo ARES group will have an interactive drill in the spring. Several other groups will also be involved.
- Education - Mel, KCØP
 

Mel asked about the interest level in a code class. Several responded and a code class on the 82 repeater should be starting soon. Mel also collected VHF Log Sheets
- Web Site - John, KØKTY
  - Several changes have been made during the past month.
  - The results for the Focus Study are posted there.
- Field Day, Pat, NØADQ, had nothing at this time.
- Library - Peter, N8MHD, has agreed to head a new committee that will concentrate on providing Amateur Radio books to local school libraries. He asked for help from those members interested to join get involved is this project.
  - ARRL have a group of books available for such a project.
  - Radio Shack is interested in donating some of their publications.

### Old Business:

- Project Focus - John, KØKTY, made a summary presentation. Over 200 ideas were generated and 36 have been identified to be worked on during 2001. See the [RARC Web Page](#) for details. John

thanked all those who participated. Dave, K7CJO, challenged the Club members to get involved. Ideas are great only after they are implemented. Dave thanked John for the significant of effort and time he spent on this very important project. Now its up to us, the members, to pick the ideas we want to work on!

- Bob, KCØGND, made a presentation on an Indoor/Outdoor Ham Swap Fest that would be held at Diggers in Kasson on Sunday, April 22nd. A proposal to have the Club back this effort was made, seconded, and passed. \$100 was set aside for renting the space at Diggers. Bob passed a signup around for members to indicate their interest in helping.

**New Business:**

- Dave, K7CJO, talked about an offer made by KH2N, Brent, to sell the APRS+SA program shareware registration to Club members for \$30.00, regularly \$59.00. Five people were needed and seven signed up. Stew, WØSHL, will handle the paperwork and will help get people started with APRS+SA.

The meeting was adjourned at 8:10 PM.

**Program**

Dave, WØEAS, talked about the work being completed at the EOC and showed some of the new equipment. He discussed the rational behind the changes. Other areas covered were the future NWS Skywarn Class that will be held on March 28 at 7:00 PM at Diggers in Kasson and the Storm Chaser class that will be held on February 22 at 7:00 PM at the American Legion in Stewartville . This class is not related to the Skywarn Class and does not certify attendees. Dave presented the Club with a \$1000 check from Olmsted County in appreciation of the many years of service the Club has given to the county.

The Rochester Amateur Radio Club received a \$1,000 donation from Olmsted Emergency Operations Center manger Dave Carr, WØEAS, at the February club meeting. The donation is recognition of the emergency services support provided by RARC members.



RARC President Dave K7CJO (left) receives the donation check from Dave WØEAS, manager of the Olmsted EOC.

Submitted by Stew, WØSHL

**Meeting Highlights - March, 2001**

The March meeting of Rochester Amateur Radio Club was called to order at 7:00 PM by President Dave Peterson (K7CJO). Introductions were held with 38 members and 2 guests present.

**Reports**

- Secretary's report by Stew (WØSHL) was approved as written.
- Treasurer's Report for Tuesday, March 13, 2001 by Bob (KCØGND) was approved

·  
 Checking:       \$ 2665.00  
 Savings:         \$ 1412.32  
 Cash & Checks: \$ 105.00  
 Total:            \$4182.32

**Committee Reports**

- **Public Service** - Peggy (KCØCNE) reported that there are 4 public service events planned for 2001 so far. All have coordinators assigned and Peggy will be concentrating on getting maximum publicity for the Club through these events.
- **Technical Committee** - Bob (NØEST)
  - The communication link on the WØMXW repeater is fixed. AutoDial numbers for non-members will be removed before the next Club meeting. Any current member can have an AutoDial number. If you are interested, see me, Stew (WØSHL).
  - The Simpson APRS Digipeater has been turned off. In its place an APRS Digipeater has been placed at a water tower in Elton Hills. It is running on lower power than Simpson but will be upgraded to 150 watts output by March 21st. We will be testing the new site and comparing it to the Simpson site. Bob (NØEST) will gather information and report back to the next Tech Meeting.
  - All other equipment is running OK.
- **Repeater Control Op** - Roger (WBØISF) reported no changes.
- **ARES** - Steve (KBØPSS)
  - ARES Camp-o-Rama will be held on March 24th and 25th, noon to noon, at Prairie Island, Winona, MN. Call Russ (NØQK) at (507) 452-6888 for more details.
  - The Tri State Amateur Radio Club in Cresco, IA will have a full day of emergency training on May 5th starting at 9:00AM. Cost to attend is \$18.00. If you are interested see Steve.
  - 13 net control operators are ready to conduct the ARES Sunday night net.
  - Next Gator hunt will be held on 146.820 on Sunday night, March 18th, , at 7:00PM. Sam (KØYAK) will be the Gator.
  - The Skywarn Spotter Training Program will be held at Diggers in Kasson on March 28th with doors opening at 6:00PM.
- **Education/Testing** - Steve (KBØPSS) reported that the next testing session is March 15th.
- **Web Site** - John (KØKTY). Check out the Web Page for the changes John has made during the past month. Members page shows all current members. This is a good way to learn the newer member's call.
- **Field Day** - Pat (NØADQ) gave a great introduction to the upcoming Field Day. We should have lots of fun. Now is not too soon to the start planning on what you are going to do that weekend. There are many ways you can help. Just see Pat (NØADQ)! Stew (WØSHL) said he would host a practice operating session a couple of weeks before Field Day at his home. Those interested could spend some time on the air to get the feel of operating HF. Watch for further news on this.
- **Library** - Peter (N8NHD) reported he has had some input on what books in addition to the ARRL Amateur Radio group should be included in a Library. One addition, The Complete DXer, was suggested but is no longer in print. If you have one or know where you can get one, please see Peter. Dave (K7CJO) announced that Radio Shack is interested in donating a set of Amateur Radio related book from their store to the project. Phil (KBØSZW), manager of the Rochester Radio Shack, added some details and expressed his and Radio Shack's interest in educational projects like this.
- **RARC Indoor/Outdoor Swapfest** - Steve (KBØPSS), Mike (KCØGNF) and Bob (KCØGND) gave an update on this event. It will take place on Sunday, April 22 in Kasson. Be sure Hams from other locations around Rochester understand this is not a repeat of the Roch ARC HamFest we have had in years past. It has a new and different approach for the Rochester ARC to meet the needs of the area Hams. See either Mike or Bob for more details.

### Old Business:

- John (NØHZN) talked about getting new jacket, hats, t-shirts, etc for the Club. The Club voted on colors and Blue/Gold won 20 votes to 4 over Green/Gold. John will have additional information including prices and maybe some samples at the April Club meeting.
- Austin APRS - John (NØHZN) reported he is working with them. Bob (KØIHV), also a member of the Austin Club, report that they voted to allow an APRS Digi Station to be installed at their site with the stipulation that there would be no cost to the Austin Club. John will contact the Austin Club President and develop additions plans to put the station on the air.

- Mike (KCØGNF) gave an update on the changes taking place at the EOC. He says they are planning to be ready for operations before the storm season.

### **New Business:**

- Steve (KBØPSS) reported that Ron Fraga, WA1MXP, a past member of the Roch ARC, died in a diving accident while cave diving in Mexico.

The meeting was adjourned at 7:55PM.

### **Program**

Tony (AAØSM) gave an interesting talk on QRP and QRPP operating on HF. QRPP is very low power operation, less than 1 watt. He brought several radios he built and operated. Also, he showed other pieces of associated QRP equipment. Dave (W9SUL), a guest at our Club meeting, talked about operating QRP. Dave has made many contacts around the world running QRP. Pat (N0ADQ) also showed a couple of radios he built for QRP. Who says you need a kilowatt?

See [QRP](#) web page for more information.

Submitted by Stew, WØSHL

## **Meeting Highlights - April, 2001**

The April meeting of Rochester Amateur Radio Club was called to order at 7:00 PM by President Dave Peterson (K7CJO). Introductions were held with 32 Hams and 1 guest present.

Jennifer Pederman from the American Diabetes Association spoke about the Diabetes "Tour de Cure" and thanked the RARC for their help with the Diabetes events over the past years.

### **Reports**

- Secretary's report by Stew (WØSHL) was approved as written.
- Treasurer's Report by Bob (KCØGND): Tuesday, April 10, 2001

Checking:	\$ 2570.27
Savings:	\$ 1413.48
Cash & Checks:	\$ 55.00
Total:	\$ 4038.73

Major expenditures this period:

- Club Liability Insurance - \$250.00

### **Committee Reports**

- **Public Service** - Peggy (KCØGNE) covered the public service events that are planned for 2001. She is developing folders for each event that can be used by future coordinators. Details of these events are on our web page. John (NØHZN) spoke about the events he is coordinating. If you are interested in helping with any of the events as listed on the web page, contact the coordinator.
- **Technical Committee** - Bob (NØEST)
  - All Club repeaters in Rochester are running. We will be looking into a UPS for the 82 repeater. Also, we will finish the modem work and check the battery. Any current Club member can have an AutoDial number. If you are interested, see me, Stew (WØSHL).
  - Testing of the WØMXW-2 APRS digi-peater continues. Coverage seems to be slightly less than the Simpson site. A new 2 meter antenna would probably improve the coverage.

- Work continues on the APRS digi-peater site in Austin.
- **Repeater Control Op** - Roger (WBØISF) reported no changes.
- **Education/Testing** - Steve (KCØPSS) reported that the next testing session is May 10th. Code class by KCØP is on Tuesday and Thursday evenings at 9:00 PM on 146.580 MHZ. ·
- **Web Site** - John (KØKTY). More changes have been made to the Web Site. All membership data is current. John will add a "RARC Classified" page where members can list Amateur Radio related items for sale or ones they are looking for. See John if you want something listed. ·
- **Library** - Peter (N8NHD) reported he will be getting the Radio Shack books. The next step is to start the fund raising. He will get with Dave (K7CJO) to develop a plan.
- **RARC Indoor/Outdoor Swapfest** - Bob (KCØGND) gave an update on this event. There will be a Club table where a Club member can put a few items for sale. The total area for each member is about 18" by 18". In order to put items on the Club table, you must donate ½ hour helping out with Swapfest. See Bob (KCØGND) if interested.
- **Skywarn** - Steve (KBØPSS)
  - Steve reported there is one more spotter certification class on April 25th at 1:00PM at the Stewartville Legion.
  - April 16th through the 20th is Severe Weather Awareness week. Olmsted Skywarn will be activated twice during that week. Skywarn activation and operation is on the 146.745 repeater (136.5 tone).
- **A.R.E.S.** - Steve (KBØPSS)
  - Steve asked everyone to monitor 146.820 repeater if you think there are conditions that may require ARES.
  - Mayo ARES drill will be May 10th starting with a dinner at 5:30PM at the Methodist Hospital cafeteria. Mayo ARES members should plan accordingly.
  - On May 5th the Tri-State radio club in Cresco, IA is sponsoring a one-day emergency training seminar. Cost is \$18.00. Transportation is available. See Steve (KBØPSS). (Also check [Events](#) web page.)
  - A new preamble for the ARES net is available on the Web site. All NCS operators should download and use it.

### Old Business/New Business - None

The meeting was adjourned at 7:50 PM.

### Program

Dave (KØVH) with help from Bob (KCØIDR) gave a good review of a new digital HF mode called PSK31. They including what equipment you need, what programs to use, and how to operate. They ended the presentation with a "live" demo. (See [PSK31](#) web page.)

Submitted by Stew, WØSHL

## Meeting Highlights - May, 2001

The May meeting of Rochester Amateur Radio Club was called to order at 7:00 PM by President Dave Peterson (K7CJO). The meeting was held at the EOC. Introductions were held with 42 members present.

### Reports

- Secretary's report by Stew (WØSHL) was approved as written.
- Treasurer's Report by Bob (KCØGND) was approved.
  - Checking:       \$ 2774.05
  - Savings:         \$ 1414.73
  - Cash & Checks:   \$ 30.00

Total: \$ 4218.78  
Major transactions this period:  
Swapfest expenses \$ 150.00  
Swapfest income \$ 439.80

## Committee Reports

### • Public Service

- Peggy Fierst KCØGNE is looking for communications for the Rochesterfest Parade. Contact her if you can help out,
- John Scott NØHZN is looking for communication help for the Tour de Cure Race on June 2 and the Touch-Tone Race in Plainview on June 16. Contact him if you can help out.
- Pam Judd KCØCJM asked for communication operators for the Med-City Marathon on May 27. She needs help at water stops and relay sights.

Sign up sheet was passed around for all the events above. All information is posted on the RARC web site.

### • ARES Report

- Mayo drill for May 10 - Both hospitals was to have a mock transfer of patients and both radio sights will be operational. The drill was canceled due to antenna problems at RMS and will be rescheduled for June. Listen to the ARES Sunday night net at 9:00 pm for information.
- Report of the Cresco Seminar. Seven people went down to Iowa in the IEMS van. The seminar dealt with the New Madrin earthquake zone in Missouri, what will happen in the immediate area if an earthquake occurred, and how it may affect us in Minnesota. The Iowa Section Manager talked about ARES and disasters. A program on hazmat materials and what the effects of the materials can consist of by the DOT placard of the transporting vehicle. We also discussed the incident command structure and how ARES can fit in.
- The RARC took up the challenge of the Stillwater ARC to put a foxhunt team together and participate in the invitational offered to all ARC clubs. More information on this later.
- Reminder - we have a Gator Hunt once a month on the Sunday evening of the week after the RARC meeting starting at 8:00 pm on the 146.820 repeater.
- Steve Wiebke KBØPSS is looking for communication personal for a county drill of June 2 starting at 7:00 am at Chester Woods Park. K-9 SAR needs field and base operators. Should end by 12:00 noon if interested. Contact Steve Wiebke on the Sunday night ARES net.
- Peggy Fierst KCØGNE reported the Special Olympics committee was asking for help with this special event. This would not require any communications just help with each event.

### • RARC Website

John Reed KØKTY reported that all Swapfest pictures and info has been posted on the web site. If you have any information that you feel should be posted, contact him.

## Old Business/New Business

### • RARC Library Donations

Radio Shack manager, Phil Sims KBØSZW, brought the books for the ham library. Peter Wollen N8MHD will distribute them to the designated libraries to promote Amateur Radio.

### • Repeaters

Mike Christian KCØGNF announced that there will no longer be a courtesy beep on the 146.745 EOC repeater due to the fact that in the near future it will be linked to repeaters in Austin, La Crosse, and Twin Cities. More information later.

The meeting was adjourned.

## Program

The RARC members present reviewed the new Amateur Radio stations/equipment and future computer logging of the EOC Communications Room.

Dave Carr WØEAS /Mike Christian KCØGNF supplied hazmat books to those people that attended the recent Cresco, Iowa seminar. Due to a mix up on getting them, the Cresco Amateur Radio Club was going to buy them with their dues. Dave saved them the cost of our books. Thanks!

Submitted by Steve, KBØPSS for WØSHL

## Meeting Highlights - June, 2001

The meeting of Rochester Amateur Radio Club was called to order at 7:00 PM by President Dave Peterson (K7CJO). The meeting was held at the Red Cross Building. Introductions were held with 35 members and guests present.

### Reports

Secretary's report for May by Stew (WØSHL) was approved as written by Steve, KBØPSS.

Treasurer's Report: Tuesday, June 12, 2001

Checking:	\$ 2050.90
Savings:	\$ 2415.61
Cash & Checks:	\$ 30.00
Total:	\$ 4496.51

Major transactions this period:

American Diabetes Association deposit \$ +250.00

### Committee Reports

- **Technical Committee** report by John, NØHZN. The 625 repeater is having some problems. Could be due to moisture as it seems to happen after a rain. John will investigate.
- **Public Service** report by John, NØHZN, Pam, KCØCJM, and Steve, KBØPSS.
  - Med City went very well. Twenty one Hams helped with the marathon.
  - Tour de Cure also went well. John read an appreciation letter thanking those who help.
  - Touchstone Energy Bike Race is coming up on June 16th. More people are needed to help.
  - RochesterFest Parade will be held on June 22nd. Please help if you can. Bring a headset and note pads.
- **Web Site** by John, KØKTY. Several additions were reported. John sold a handheld that he listed on the web site and Stew, WØSHL, has someone interested in his Amp.
- **Field Day** is the program for this meeting.
- **Education** by Mel, KCØP. Classes will be held this fall through the Rochester Community Education Program. Ten sessions will be held with a heavy emphasis on class demos.
- **Library Books** by Peter, N8MHD. The donation of Ham Radio books from Radio Shack will be given to the Rochester Public Library.
- **ARES** by Steve KBØPSS
  - The RARC will participate in the Stillwater ARC foxhunt to be held on Aug 10th.
  - Reminder - we have a Gator Hunt once a month on the Sunday evening of the week after the RARC meeting starting at 8:00 pm on the 146.820 repeater.
  - Don't forget that the ARES net is held on Sundays at 9:00PM.



## Old Business/New Business

- Dave, K7CJO, talked about the Club Picnic. If the Club members want it, it will be held on August 19th, probably at the Chester Woods Park. We will discuss it at the July meeting.
- John, NØHZN showed a new emblem for the Club jackets. It is the one that you see on the Club web site. The design was approved and John will pursue prices. More next meeting!

The meeting was adjourned at 7:36PM..

## Program

Pat, NØADQ, gave a presentation on Field Day. He also demo-ed the Kenwood TS-850 radio and the Logging program that we will be using. Randall Trapp talked about past Rochester Field Day events.

Submitted by WØSHL

## Meeting Minutes - July, 2001

The meeting was called to order at 7:00 pm by president Dave K7CJO. Approximately 25 members were present, including 3 visitors and 2 new members (making 103 members total).

## Reports

- Secretary's report by Stew (WØSHL) was approved as written.
- Treasurer's Report by Bob (KCØGND) was approved.
- Vice President's Report by Terry WØVB: The meeting program for August will be the club picnic on August 19 at Chester Woods park, east of Rochester on Highway 14, starting at 11:00 am. Bring meat to cook and a dish to pass, charcoal will be provided. Also bring gadgets and rigs. Volunteers are needed to help reserve the pavillion, starting about 8:00 am, contact Pam KCØCJM or Terry WØVB.

With feedback from the attendees, topics were selected for programs for September, October, and November. December's meeting program will be the annual Pizza Christmas party.

## Committee Reports

- **Technical committee** - Several antenna sites are being considered as possible replacements for the Simpson site. The 145.625 repeater has quit acting up, possibly because it has not rained for several weeks.
- **Public Service** - John NØHZN, The Rochester Centurion is coming up July 14. About 15 club members will be participating. The following event will be a half-marathon held by the Rochester Track Club on August 18.
- **Field Day** - Pat NØADQ. Pat gave a summery of the RARC Field Day event held at Assisi Heights on June 23-24. The total points for the 2001 event was 3344 which was a slight increase over 2000, The total number of QSOs was down this year compared to 2001, particularly on the SSB phone station. Over 50 hams visited this site this year. Overall, a very successful RARC Field Day event thanks to co-chairs Pat NØADQ and Mel KCØP.
- **Web Site** - John KØKTY. Information on recent public service events and RARC Field Day event is available on the RARC web site. John also summarized the implementation status of the 36 Project Focus ideas (see web site for latest status.)
- **Education** - Pat NØADQ confirmed that the ham class leading to a Technician class license is



scheduled to begin in late September. Class information and enrollment instructions are available on the RARC web site.

- **ARES** - Steve KBØPSS. The club will not participate in the foxhunt competition August 11, but practice will continue and we'll try to be ready for next year's competition. There is a gator hunt each Sunday after a club meeting, at 8:00 pm before the ARES net. There will be a Mayo ARES drill sometime in August.

### **New Business/Old Business**

None

The meeting was adjourned at 7:45 pm.

### **Program**

The program was provided by Glen Johnson WØGJ, who used speakerphone and videotape to present last year's A52A Dxpedition to Bhutan. This was a major undertaking in a beautiful location, and it was a fascinating look at a world-class operation. Copies of the videotape are available for approximately \$20.

Submitted by Peter N8MHD

## **Meeting Minutes - September, 2001**

The September meeting of the Rochester Amateur Radio Club was called to order at 7:00 PM, Tuesday 9/11, by President Dave Peterson (K7CJO). A moment of silence was observed for the day's events. Introductions were held with 23 Hams present.

### **Reports**

- Secretary's report by Peter (N8MHD) was approved as written.
- Treasurer's Report by Bob (KCØGND): Tuesday, September 11, 2001

Checking:       \$ 1179.05

Savings:        \$ 2419.37

Cash & Checks:  \$ 30.00

Total:           \$ 3628.42

Major transactions this period:

- WØMXW-2 - \$349.00
- Equipment Insurance - \$299.00

### **Committee Reports**

- **Bylaws Committee - Bob (KCØGND).**  
The bylaws committee will be proposing revised bylaws next month, mostly consisting of modernizing and bring them into agreement with current practices.
- **Technical Committee - Stew (WØSHL)**
  - The 82 repeater is working well. We will purchase a UPS for it to handle small voltage drops. Site Cleanup will be this Thursday, Sept 13th at 6:30PM.
  - 625 repeater is working Ok with the exception of a small problem a couple of weeks ago. The Club will form a committee to investigate replacing the 625 repeater. It is more than 20 years old and need replacing. Anyone wanting to serve on this committee see Stew (WØSHL).

- Simpson Site: Packet backbone is not working and will not be fixed due to usage. A new controller for the APRS and Remote Base functions is very much needed. The current controller is very old and not much is known about the circuits, micro-code. Anyone interested in this project, see Stew (WØSHL).
- Water Tower APRS WØMXW-2 has a new antenna and up and running.
- Letter requesting funding for the Austin APRS digi station has been sent to two Austin area service groups.
- K7CJO and WØSHL met with KTTC people asking for them to continue allowing us to use space on their tower at the Simpson site. In the past we shared the cost with Roger, WBØISF. We are now asking for KTTC to donate the space.
- The RARC will have several items for next years RARC Swapfest.

- **Education/Testing**

The class through Community Ed starts this month. There will be an exam session 9/18.

- **A.R.E.S. - Steve (KBØPSS)**

- Walmart has a new batch of yellow shirts, which are the ARES activity uniform.
- On Monday 9/24 6:30 pm at the Red Cross building, there will be a class on NTS traffic.
- The Minnesota Emergency Test will be 10/6. More information will be available on the Sunday evening ARES nets.
- There is a regular breakfast at 6:30 am Saturdays at Grandma's, and again at 9:00 am at Brother's in the room in back.
- Some of the club code oscillators are missing. If you know of one, bring it in.
- At 7:30 pm on Mondays there is a Skywarn net on the 645 repeater.
- RARC did not participate at the August Foxhunt competition in Stillwater, but hopes to next year.
- ARES was on standby in Minnesota today 9/11. As a general practice, if you think there may be ARES activity, listen for an hourly report on the 645 repeater.

## **Old Business/New Business**

- Bob (KCØGND) noted that new memberships in ARRL can be obtained through the RARC, and then \$15 of the \$39 dues goes directly to the RARC. This arrangement is temporary, so anyone interested should contact Bob soon. ARRL renewals can also be done through the club, but we don't get any money from them.
- Dave (K7CJO) noted the upcoming Boy Scouts JOTA in October.
- This is the last month that Dave (K7CJO) will be editing the Flyer. If the Flyer is to continue, a new editor is needed.
- Club elections are coming up, and candidates are needed.
- Terry (WØVB) reported that next month's program will be a new-equipment show and tell. Anyone who wishes to bring equipment should contact him.
- John (NØHZN) noted that Austin is having a swapfest 10/6 starting at 8:00 am. The Twin Cities hamfest is coming up 10/27

## **Program**

Terry (WØVB) presented an overview of resources available on the internet related to amateur radio.

Submitted by Peter N8MHD

## **Meeting Minutes - October, 2001**

The October meeting of the Rochester Amateur Radio Club was called to order at 7:00 PM, Tuesday 10/9, by President Dave Peterson (K7CJO). Introductions were held with 24 members and 2 guests present.

## Reports

- Secretary's report by Peter (N8MHD) was approved as written.
- Treasurer's Report by Bob (KCØGND): Tuesday, October 9, 2001
  - Checking: \$ 1086.24
  - Savings: \$ 2420.56
  - Cash & Checks: \$ 31.00
  - Total: \$ 3537.80

Major transactions this period: None

## Committee Reports

- **Technical Committee - Stew (WØSHL)**
  - Gene Groby volunteered to explore currently available repeaters, with the goal of informing the committee about possibilities for replacing the .625 machine.
  - The UPS unit for the .82 repeater will be installed soon.
  - Simpson Site: Nobody has volunteered to recode the APRS controller, we still need someone.
  - Water Tower APRS WØMXW-2 is not yet active, but will be tested soon.
  - Funding for the Austin APRS digi station has been denied by Austin groups, we are still looking.
  - In other APRS news, there is a Minnesota web page: [www.aprsmn.com](http://www.aprsmn.com). Also note the PCSAT by Bob Bruninga, giving satellite APRS capability.
- **Bylaws Committee - Bob (KCØGND)**

The bylaws committee presented proposed text for revised bylaws. (The bylaws draft can be viewed at <http://pws.prserv.net/usinet.rjhart1/bylaws.htm>.) The revisions clean up procedures and revise language. The text will be posted on the club website, and hard copy will be mailed to the 11 members who do not have internet access. The revised bylaws will be voted on at the November meeting.
- **December meeting - Dave (K7CJO)** noted that while the December meeting has traditionally been a pizza party, it doesn't have to be. Members should come to the November meeting with proposals for how we should party.
- **Public Service - John (NØHZN)**
  - There were 5 events this year including the Touchstone Bike Race for the first time. A date has been chosen for it for next year (June 15, 2002) and other events are also settling on dates.
  - Jackets and shirts with club logos will be available soon, at prices around \$43 for jackets and \$12-\$18 for shirts. Subsidies are being looked for.
- **JOTA - Bob (ABØBW, new call)**

The Boy Scout JOTA is October 19 - 21, and at least 3 club members will be operating, at least 9am - 5pm Saturday and Sunday. The site will be either Gamehave Scout Reservation or Bear Cave Park in Stewartville.
- **Education - Pat (NØADQ)**

The class is running now, and has about 11 members. They are focussing on Tech, but some may go for code too.
- **ARES - Steve (WØSTV)**
  - The Minnesota Simulated Emergency Test was last Saturday. It went well, and some problems were uncovered.
  - Steve met with IEMS discussing possibilities, and amateur radio is likely to be important to them. Another meeting is coming up in December.
  - A Camporama will be held at Chester Woods October 21. Information is available on the web site, and also on the Sunday night net.
- **Nominating Committee - Steve (WØSTV).**

Dave Natz is a possible nominee for Vice President. Anyone else interested should contact Steve.

- **Reminders:**

- RARC members can join ARRL as new members through the club, and then \$15 of the \$39 dues goes to RARC.
- The Bhutan group is leaving October 20, and their operating time will include the CQ WWDX SSB contest. Pat (NØADQ) will be operating as A52PC.
- The Hamfest Minnesota is October 27. Several club members will be going up, and carpooling is possible.

## **Program**

Members Terry (WØVB), Bob (ABØBW), Pat (NØADQ), Steve (WØSTV), and Fred (KØIU) presented new equipment and software.

Submitted by Peter N8MHD

## **Meeting Minutes - November, 2001**

The November meeting of the Rochester Amateur Radio Club was called to order at 7:00 PM, Tuesday 11/13, by President Dave Peterson (K7CJO). Introductions were held with 22 members present.

## **Reports**

- Secretary's report by Peter (N8MHD) was approved as written.
- Treasurer's Report by Bob (KCØGND):

Checking:	\$ 1026.78
Savings:	\$ 2422.28
Cash + Checks:	\$ 200.00
Total:	\$ 3648.06

Major transactions this period:

- 5 ARRL new memberships, +\$75 net
- 3 paid 2002 dues, \$85
- Telephones - \$49.32

## **Committee Reports**

- **Technical Committee** - Stew (WØSHL)
  - The UPS unit for the .82 repeater has arrived, and will be installed.
  - The .625 repeater is working fine. The committee is collecting information on a replacement.
  - APRS in Austin is up, W0AZR-1.
  - The Simpson site has SWR > 5:1, and is shut down. The site will be retained for now, depending on KTTC's policies.
  - The watertower digipeater is up and running. Dave will get a written agreement from the city covering our use of the site.
  - The 440 repeater at Assisi is running fine.
  - The DX cluster arrangement has changed, users now connect at 144.970 to W0SHL, which then connects via the internet to the Cities.
  - Brian Stockman is donating an FT102 to the club.
  - The Technical committee will make an inventory of club equipment.
- **Bylaws Committee** - Bob (KCØGND). Revised bylaws were presented for a vote, and were approved by the members present. The text of the new bylaws is posted on the club website.

Hard copy will be mailed to the 11 members who do not have internet access.

- o **Web Site** - John (K0KTY). Camporama pictures, a JOTA report, and routine club business such as meeting minutes, membership lists, and the dues schedule, are now posted. We are now past a year with the new address <http://www.rarchams.org>, and we have had approximately 13000 hits from a wide variety of sources.
- o **December meeting** - Members present voted to have the December party meeting at Golden Corral Buffet.
- o **JOTA** - The RARC station for the Boy Scout JOTA had small turnout, but made some good contacts (Japan, ISS). Next year we will make arrangements with more lead time.
- o **Library** - Peter (N8MHD). One book recommended for the library was "The Complete Dxe" by R. B. Locher. I now have a copy of the book; it doesn't look like a good choice for general circulation in the library, but it is good reading for anyone interested in HF operation. If you wish to borrow the book, contact Peter.
- o **ARES** - Steve (WØSTV)
  - Remember the Sunday night ARES net, and the Gator hunt every Sunday following a meeting at 7:30 on .82.
  - In January, Steve will propose the following: that all RARC members automatically be ARES members, with three levels of participation. Minimally trained members will be Level C, irregularly trained members will be Level B, and Level A members will have to have regular training and participation in ARES activities. A program will be offered giving more information on this proposal.
- o **Nominating Committee** - Dave Natz was nominated for Vice President. Since he and the returning Secretary, Treasurer, and President are unopposed, they will be next year's officers.
- o **Reminder:**
  - There will be an exam session 12/13.

The meeting was adjourned at 7:50.

## Program

Stew (WØSHL) presented the joys, difficulties and dangers of putting up a tower. The moral is, have it done by a professional.

Submitted by Peter N8MHD.

## Meeting Minutes - November, 2001

The December meeting of the Rochester Amateur Radio Club was called to order at 7:23 pm, Tuesday, 12/11, by President Dave Peterson (K7CJO), at the Golden Corral restaurant. Approximately 26 members were present.

## Reports

- o Secretary's report by Peter (N8MHD) was deferred till January.
  - o Treasurer's Report by Bob (KCØGND): Tuesday, December 11, 2001
    - Checking:       \$ 1112.40
    - Savings:         \$ 2422.28
    - Cash + Checks:  \$ 151.00
    - Total:           \$ 3685.68
- Major transactions this period:
- UPS for '.82 - \$99.05
  - 2002 dues - \$315.00
  - Telephones - \$49.02

## Committee Reports

- **Technical Committee** - Stew (WØSHL)
  - WØMXW-1 is being shut down, and the phone line to the Simpson site is being shut off.
  - The .82 repeater is working fine.
  - APRS in Austin is up, WØAZR-1, and working fine.
  - The UPS was installed on WØMXW.
  - The watertower digipeater WØMXW-2 is up and running. The amp will be moved from the Simpson site to the watertower site.
  - A Rochester Linux group is interested in developing a wireless ISP with RARC. The Technical committee will bring the proposal to the club, but recommends against.
- **ARES** - Steve (WØSTV)

There was a drill 12/5 testing the radios at SMH and RMH. Some problems were found with antenna connections at SMH, and difficulties operating the radio at RMH. Regular drills should be run to make sure the system is operable.
- **Nominating Committee** - The following candidates for club officers were submitted:
  - President: Dave Peterson (K7CJO)
  - Vice-President: Dave Naatz, (KØVH)
  - Secretary: Peter Wollan, (N8MHD)
  - Treasurer: Bob Hart, (KCØGND)

There were no nominations from the floor. A motion to close nominations and cast a unanimous ballot was made, seconded, and passed.

## Announcements

- January's program will review Logging software. If anyone wants to demo their favorite program, contact Dave Naatz, KØVH.
- Swapfest 2002 will be at Digger's in Kasson on Sunday, June 9th. Details will be posted on the web site.

The meeting was adjourned at 7:32.

## Program

Following the meeting, Pat Cahill (NØADQ) presented pictures from his recent Bhutan Dxpedition participation.

Submitted by Bob KCØGND for Peter N8MHD.

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**ROCHESTER AMATEUR RADIO CLUB, INC.**  
P.O. BOX 1, ROCHESTER, MN 55903

## QRP - Low Power Amateur Radio

QRP is the "Q" signal meaning *lower your power/should I lower my power?* It has come to mean all low power operation, especially on HF. QRP operators have diverse interests -- CW, building, backpacking, mobile, contesting -- with the common thread of doing it with less than 5 watts. QRPP is sometimes used to refer to *extreme* QRP -- operating with less than one watt of power. QRPP is also called milliwatting.

The QRP aspect of amateur radio is growing in interest level. [Tony, AAØSM](#), gave a presentation to RARC club members at the March, 2001, monthly meeting.



Tony, AAØSM, shows a 40 CW QRP transceiver at the March club meeting.



Talking about QRP operation at the March meeting. Left to right: Dave W9SUL, Tony AAØSM, and Pat NØADQ.

### QRP Web Links

- [Northern California QRP Club \(NorCal\)](#)  
NorCal is the best place to start. They regularly hold contests and provide QRP kits. The site has tons of other QRP links.
- [QRP Amateur Radio Club International](#)  
The QRP Amateur Radio Club International produces a great quarterly newsletter. They sponsor several contests and awards including the 1000 Miles Per Watt award.
- [Minnesota QRP Society](#)  
The Minnesota QRP Society is centered in the Twin Cities, but has members from across the state. They have a mailing list discussing meetings and events.

- [New Jersey QRP Club](#)

The New Jersey QRP Club sponsors contest and building projects. Lots of information is available at their site.

## QRP Equipment Manufacturers

Some of the QRP equipment makers:

- [Small Wonder Labs](#)
- [Oak Hill Research](#)
- [Wilderness Radio](#)
- [Elecraft Radio](#)

## QRP Calling Frequencies

Most QRP activity centers around these frequencies.

<b>Band</b>	<b>CW</b>	<b>CW Novice</b>	<b>SSB</b>	<b>SSB Europe</b>
160 m	1.810	-	1.910	1.843
80 m	3.560	3.710	3.985	3.690
40 m	7.040	7.110	7.285	7.090
30 m	10.106	-	-	-
20 m	14.060	-	14.285	-
17 m	18.069	-	-	-
15 m	21.060	21.110	21.385	21.285
12 m	24.906	-	-	-
10 m	28.060	28.110	28.885 (28.385 Novice)	28.360
6 m	50.060	-	50.885	50.285
2 m	144.060	-	144.285	-

[RARC main page](#)





**ROCHESTER AMATEUR RADIO CLUB, INC.**  
P.O. BOX 1, ROCHESTER, MN 55903

## PSK31

PSK31 (Phase Shift Keying 31 Baud) is best viewed as a "high octane" cousin of RTTY (Radio Teletype). The PSK31 mode was invented by Peter Martine, G3PLX, who also brought commercial SITOR mode to the hams bands as AMTOR. For a few years, PSK31 languished in obscurity since special DSP hardware was necessary to use it. In 1999, however, G3PLX designed a version of PSK31 that needed nothing more than a common computer sound card. By providing a piece of software that runs under Windows to interface the sound card and the transceiver, the mode began to take off. An additional step in PSK31 popularity took place in 2000 with the debut of "paroramic" software programs such as Digipan and WinPSK. Both software packages make it extremely simple to get on the air with PSK31 by hooking up some cables and clicking your mouse.



Bob (KCØIDR) in background and Dave (KØVH) discuss PSK31 operation and techniques with RARC club members following the demonstration at the April club meeting.

In just two years, PSK31 has become the *Number One* HF digital mode for casual keyboard-to-keyboard operating. Although not an error free digital mode, it does offer excellent weak-signal performance. PSK31 has been embraced by the QRP (low power) community since a couple of watts and a simple wire antenna can be used to work stations throughout the United States and some DX.. PSK31 uses 30hz wide signals and low power transmitters. A basic PC is needed (486/66 or better) running Windows 95/98 and a standard SoundBlaster16 sound card.

Some frequencies on each HF band are commonly used for PSK31 operations: 14.070 Mhz, 21.070 Mhz, 7.035 Mhz, 3.580 Mhz, 28.120 Mhz and 10.142 Mhz.

At the April RARC club meeting, Dave (KØVH) and Bob (KCØIDR) gave a presentation and demonstration on PSK31 operations. A notebook computer, running PSK31 software, connected to a QRP 20 meter transceiver and a simple wire antenna. The simple setup was able to copy PSK31 stations from across the country.

### PSK31 Web Links

- [Book entitled ARRL HF Digital Handbook](#)  
The publication is available from ARRL.
- [DigiPan PSK31 Software](#)
- [Mix32W \(RTTY and PSK31\)](#)
- [Multimode \(RTTY and PSK31 for Macs\)](#)
- [PSK31 for Linux](#)
- [WinPSK \(PSK31\) Software](#)
- [PSK Software](#)

- <http://www.kender.es/~edu/psk31.html>
- <http://www.w5bbr.com/psk31.html>
- <http://www.paketradio.com/psk31.htm>
- <http://www.buxcommco.com/buxcat.html>
- <http://www.digitalham.net>
- [G3PLX White Paper on PSK31 \(pdf format\)](#)
- <http://www.njqrp.org>

Note: Some of the above links are from the article *The HF Digital "Tower of Babel"*, WB8IMY, *QST*, Page 50, January, 2001.

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**ROCHESTER AMATEUR RADIO CLUB, INC.**  
P.O. BOX 1, ROCHESTER, MN 55903

## RARC Member Travels to Bhutan With U.S. Ham Group

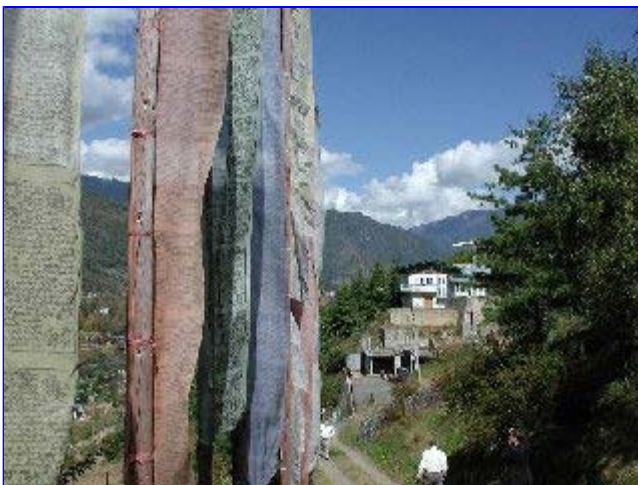
Pat, NØADQ, was a member of a team of U.S. hams who travel to the small county of Bhutan at the end of October to participate in the inauguration of the Bhutan Amateur Radio Club and to participate in the CQ WW SSB contest. The group operated station A52A at the Bhutan ham radio center during the contest.

In addition to visiting Bhutan, Pat was able to spend some time in both Tokyo, Japan, and Bangkok, Thailand, during the trip.

The following is a small sample of the 2,000+ digital photos taken by the team during the trip. Click on each photo to view a larger image.



Team members about to leave Paro after their 10 day stay. (Left to right): Dave Anderson, KW4DA (A52DA), Ray Novak KC7JPA (A52RN), Glenn Johnson WØGJ (A51B), Ken KØEN (A52ED), Steve Towle WØHT (A52HT), Pam Towle, Pat Cahill NØADQ (A52PC), Chuck Brady N4BQW (A52CB).



Bhutan Ham Centre building in background of photo. Objects in left foreground are prayer flags.



Bhutan rice fields with poinsettias in the foreground.

A portion of the Imperial Gardens in central Tokyo in the foreground with modern high rise buildings in the background.



One of the many temples in Bangkok, Thailand.

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**ROCHESTER AMATEUR RADIO CLUB, INC.**  
P.O. BOX 1, ROCHESTER, MN 55903

## RARC Club Meetings - 2000

RARC club meetings are held each month on the second Tuesday of the month at 7:00 p.m.. The meetings are at the [American Red Cross Building, 310 14th Street SW.](#)) Visitors are welcome.

### RARC Meeting Minutes

Click on a month in the following table to go to the RARC meeting minutes.

2000   [Jan](#)   [Feb](#)   [Mar](#)   [Apr](#)   [May](#)   [Jun](#)   [Jul](#)   Aug   [Sep](#)   [Oct](#)   [Nov](#)   [Dec](#)

### Meeting Highlights - January, 2000

The January meeting of Rochester Amateur Radio Club was called to order at 7:00 PM by President Dave Peterson, K7CJO. Introductions were held with 35 members and 2 guests present.

### Reports

- Secretary's report by Bob, NØEST, was approved.
- Treasurer's Report by Bob KCØGND was approved:

Cash \$675.50  
Checking \$430.94  
Savings \$398.32

### Committee Reports

- 501(c)3 - John NØHZN  
We did it! On 12/30/1999, the RARC was granted 501(c)3 status by the IRS. Thanks to everyone who helped out with the effort.
- Public Service Pam KCØCJM - No Report.
- Technical Committee - Stew KCØZC - No Report
- Repeater Control Op Roger WBØISF No Report.
- ARES Steve KBØPSS.  
Thanks to all who helped out with Y2K drill. ARES will be taking the rest of January off, and we'll look at doing more in February. The Skywarn class for 2000 will be held at the end of March at Diggers in Kasson.
- Hamfest 2000 John NØHZN  
Dealer letters have been sent (thanks to Rob KCØFOW). Radio City has donated \$500 for an extra 2000 flyers. The biggest job now is getting the word out. We're looking to promote the PC side was well. We will be folding 5000 at the February meeting, so help out if you can.
- Field Day Pat NØADQ - No Report. (A bit to early to plan)
- Education Mel KCØP  
There will be an over the air code class starting 1/13. It will meet Thursdays at 9 PM and Sundays at

8 PM. Will be using 146.58 Simplex. Will be going over 6 letters/week and shooting for a March 9 code test.

Mel also reminded us of the VHF sweepstakes on 1/22/2000. Mel plans on doing some rover activity to help others get grid squares.

## New Business

- Financial Status

An overview of the club financial status was presented by Bob KCØGND. Bob presented the fact that the club will fall way short on cash this year unless drastic action is taken. We must increase revenue or reduce spending. Many ideas were put forth.

- Flyer Distribution

A motion was made and carried to allow club members to receive the Flyer via the internet. The motion passed and we had about 20 folks sign up. We'd like to have 50% of the member sign up for this. ( If you are a currently paid up member and want to receive the Flyer online, just drop a note to [n0est@arrl.net](mailto:n0est@arrl.net). You will be taken off the paper mailing)

Adjourned at 8 PM.

## Program

Excellent program by Mel KCØP and Neil WA5VLZ on the history of Amateur Radios. Lots of fantastic old time rigs from the 30's on up to present day.

Submitted by Bob NØEST

## Meeting Highlights - February, 2000

The February meeting of Rochester Amateur Radio Club was called to order at 7:00 PM by President Dave Peterson, K7CJO. Introductions were held with 30 members present

## Reports

- Secretary's report by Bob, NØEST, was approved.
- Treasurer's Report by Bob KCØGND was approved:  
Cash \$20.50  
Checking \$1551.88  
Savings \$398.71

## Committee Reports

- Public Service Pam KCØCJM - No Report.
- Technical Committee - Stew KCØZC
- Repeater Control Op Roger WBØISF No Report.
- ARES Steve KBØPSS.

The St. Mary's / Mayo ARES program is gearing up. Dick Willis at Mayo is the contact. This will require special Ids and training to participate. Contact Steve if you are interested.

Steve had a copy of the current ARES directory—members present were asked to verify information.

- Hamfest 2000 John NØHZN - No Report
- Field Day Pam NØADQ - No Report.
- Education Mel KCØP

There is a 10-15 member code class (Sun/Thurs) underway, with a target date of 3/9 for a code test.

Adjourned at 7:20 PM.

## Program

We folded the Hamfest Flyers. A great effort by all! We addressed, tabbed, sorted, and bound 5000 in just over 1 hour. And it was fun too!

Submitted by Bob NØEST

## Meeting Highlights - March, 2000

The March meeting of Rochester Amateur Radio Club was called to order at 7:00 PM by President Dave Peterson, K7CJO. Introductions were held with 36 members present, and 1 guest.

## Reports

- Secretary's report by Bob, NØEST, was approved.
- Treasurer's Report by Bob KCØGND was approved:  
Cash \$180.50  
Checking \$602.16  
Savings \$399.10
- Doug WAØVEZ announced that the program for April will be by Bob Dubke KØSIR. He'll talk about the rules changes and how it affects us.

## Committee Reports

- **Public Service - Pam KCØCJM**  
Dave K7CJO read some notes from Pam, who was unable to attend. She is starting to organize for the summer schedule of events. The first one is the Med City Marathon on Sunday May 28th. We need at least 12 folks to help out. (See announcement elsewhere—Ed.)
- **Technical Committee - Stew WØSHL**  
Minutes not available at publication time. Look for them next month.
- **Repeater Control Op Roger WBØISF** No Report.
- **ARES Steve KBØPSS.**
  - Mayo ARES—Steve is putting together the Final list. Sign up with him. This will require special training and Ids.
  - On April 29th, there will be an ARES drill in the Cresco IA area. It will feature APRS, Voice, Direction Finding and K9 SAR. Listen to upcoming Sunday Night Nets for more information.
  - K9 SAR was looking for Operators for the Saturday drill (following the club meeting). It will be at Chester Woods. Contact Steve if you want to participate.
- **Hamfest 2000 John NØHZN**  
A quick report. Tables sales are doing OK. We'll need help on the 7th and 8th from a lots of folks in order to make it a success. Talk up the Hamfest where you can and sell tickets!
- **Field Day Pat NØADQ**  
Field Day 2000 will be the last weekend of June (24-25). This year we'll be at Assisi Heights again. There have been a few rules changes. Pat went over some of them. He also noted that we can get 100 points for setting up an demo APRS or ATV station.
- **Education Mel KCØP**—No Report

## New Business

- There will be a special paper only test session on April 15 from 9-11 AM at the American Red Cross. This is to process any license upgrades that happened as a result of the recent rules changes.

- John NØHZN announced that the Olmsted EOC will start giving the RARC \$1000 per year, to recognize the work that we do to support public service. A BIG thanks to Dave Carr WØEAS for making this happen!
- Gary Peterson NØZOD was presented with an award (issued in December) for being the outstanding Volunteer of the year.

Adjourned at 7:40 PM.

## Program

Bob NØEST presented an overview of the new Kenwood Mobile, the TM-D700A. We also talked about various APRS related topics.

Submitted by Bob NØEST

## Meeting Highlights - April, 2000

The April meeting of Rochester Amateur Radio Club was called to order at 7:00 PM by President Dave Peterson, K7CJO. Introductions were held with 29 members present, and 3 guests.

## Reports

- Secretary's report by Bob, NØEST, was approved.
- Treasurer's Report by Bob KCØGND was approved:

Cash \$45.50  
Checking \$3908.33\*  
Savings \$399.46

\*Still need to pay \$1250 for Arena Rental

Bob KCØGND made a presentation on the RARC financial picture and outlook.

- Programs  
Doug WAØVEZ announced that the program for May will be Jay Bellows, K0QB, ARRL Dakota Division Director.

## Committee Reports

- Public Service - Pam KCØCJM

The spring public service events are about to begin. Here is a partial list (See Article elsewhere in the Flyer—Ed.)

- Med City Marathon 5/28
- Diabetes Bike a Thon 6/3
- Rochester Fest Parade 6/23
- Centurion Bike Race 7/8

Contact Pam if you want to help out at any of these events. Pam had signup sheets at the meeting.

- Technical Committee Stew WØSHL



We did not have a regular meeting this month. The committee did have a special meeting during the month to discuss the problems we were having with 820 repeater.

The following activities were completed:

- Tested for the static problem.
- Took several readings on the repeater for future reference.
- Replaced the cover and screws. (This seem to eliminate the static problem.)

Members of the club were asked to watch and report any problems they experience.

- Repeater Control Op Roger WBØISF No Report.
- ARES Steve KBØPSS.

Steve gave a quick list of upcoming activities in April.

April 11th: @ 3 PM Prep for “Tornado 2000” drill at the EOC

April 12th: St. Mary’s ARES Meeting @5:30 PM

April 19th: Tornado 2000 Planning Meeting

April 20th: Tornado 2000 Drill—Contact Steve if you can help out.

April 29th: Cresco IA Drill. Downed Aircraft, RDF, APRS... should be a lot of fun.

- Hamfest 2000 John NØHZN

Wow, what a Hamfest! We made \$1752 !!! John thanked everyone that helped out.

Dave K7CJO announced that John has resigned as RARC Hamfest chairman, and will take the new position of Fund Raising chairman.

- Field Day Pam NØADQ—No Report
- Education Mel KC0P—No Report

## **New Business**

- VE Testing

Bob Dubke KØSIR reported that during the Hamfest Test Session they had quite a crowd:

9 Upgrades

37 CSCE

60 total exams! (WOW!)

Adjourned @ 7:45 PM

## **Program**

- Bob Dubke KØSIR gave an overview of the license changes that will take effect on 4/15/2000.
- Dave Carr WØEAS gave a update on the changes at the EOC for Skywarn.

Submitted by Bob NØEST

## **Meeting Highlights - May, 2000**

The May meeting of Rochester Amateur Radio Club was called to order at 7:00 PM by President Dave Peterson, K7CJO. Introductions were held with 30 members present.

## Reports

- Secretary's report by Bob, NØEST, was approved.
- Treasurer's Report by Bob KCØGND was approved
- Doug WAØVEZ announced that the program for June will be a field day talk by Pat Cahill, NØADQ

## Committee Reports

- Public Service - Pam KCØCJM

The spring public service events are about to begin. Here is a partial list:

Med City Marathon 5/28  
Diabetes Bike a Thon 6/3  
Rochester Fest Parade 6/23  
Centurion Bike Race 7/8

Contact Pam if you want to help out at any of these events. Pam had signup sheets at the meeting.

- Technical Committee Stew WØSHL

John NØHZN read the minutes, because WØSHL was absent (see eFlyer for the minutes)

- Repeater Control Op Roger WBØISF - No Report.
- ARES Steve KBØPSS
  - Steve gave a brief update on the Tornado 2000 drill on 4/18, and on the Cresco ARES drill held on 4/29.
  - Mayo ARES—badges are ready (Steve passed them out). Meeting on 5/17, Methodist Hospital, main entrance.
  - There will be a drill on 6/5 in Spring Valley. It will be a simulated tornado strike. Contact Steve if you are interested.
  - The 146.745 repeater will be used for SKYWARN this season, per request of WØEAS.
- Field Day Mel KCØP

Mel gave an overview of the planned field day setup for Jun 24/25. There will be 4 stations (HF Phone, CW, VHF Phone, and monitoring) Possibly some demos as well (APRS, SSTV). May have a PSK31/RTTY station if someone wants to set it up,

- Education Mel KCØP—No Report

## New Business

- Pam KCØCJM suggested that the club do another rummage sale in September as a fund raiser. Pam said that she would organize it. Pam will do some further investigation.
- Cliff KCØFOU mentioned that some Ham operators are need for an upcoming car rally. Contact Cliff for more details if you are interested.

Adjourned @ 7:35 PM

Submitted by Bob NØEST

## Meeting Highlights - June, 2000

The June meeting of Rochester Amateur Radio Club was called to order at 7:00 PM by President Dave Peterson, K7CJO. Introductions were held with 35 members present, and 2 guests.

### Reports

- Secretary's report by Bob, NØEST, was approved.
- Treasurer's Report by Bob KCØGND was approved:

Checking: \$1776.13

Savings: \$1400.62

Cash: \$35.00

Total: \$3211.75

- Doug WAØVEZ announced that the program for July will be a tour of KTTC. Doug also suggested that the August program be a tour of the Mayo 1 communications center. Dave K7CJO reminded us that the August meeting will have to be offsite, because the building is not available. After some discussion, it was decided to have a picnic for August meeting, and move the Mayo 1 tour to September.

### Committee Reports

- Public Service - Pam KCØCJM

John NØHZN gave the report for Pam. 2 events are left in the summer schedule:

6/23—Rochesterfest parade

7/8—Centurion Bike Race

Contact John NØHZN if you can help out.

- Technical Committee - Stew WØSHL

See minutes elsewhere in eFlyer.

- Repeater Control Op Roger WBØISF - No Report.

- ARES Steve KBØPSS

- Thanks to all that helped out at the recent Spring Valley floods.
- Mayo ARES—now has 21 members. There is another training session 6/21, St Marys, west end.
- If anyone has comments on the 6/5 Spring Valley drill, send them to Steve.
- They are looking for a HAM to sit in the IEMS van during the Rochesterfest street dance. Let Steve know if you can help out.

- Education Mel KCØP—No Report

### New Business

- John NØHZN suggested that the club go looking for funding for APRS trackers that could be used by members at public service and SKYWARN events. Bob NØEST will draw up a list of equipment needed for these trackers. John will investigate funding.
- Bob KCØGND suggested that the club create a new award for "Ham of the Year". He presented the

proposed criteria. The club will think about it and vote on it at a future meeting.

Adjourned @ 7:35 PM

## Program

Talk about the Field Day 2000 setup by Pat NØADQ.

Submitted by Bob NØEST

## Meeting Highlights - July, 2000

The business meeting was abbreviated to accommodate the tour of the KTTC television facilities.

The following brief reports were given:

- Field Day summary by Pat NØADQ.
- Public service summary by John NØHZN.
- ARES activity summary by Steve KBØPSS.

The business meeting was adjourned and the club members went on a tour of the KTTC studios.

## Meeting Minutes - September, 2000

The September meeting of Rochester Amateur Radio Club was called to order at 8:00 PM by President Dave Peterson, K7CJO. Introductions were held with 27 members present

## Reports

- Secretary's report by Bob, NØEST, was missing. No minutes from the July meeting (lost), and no meeting was held in August.
- Treasurer's Report by Bob KCØGND was approved:  
Cash \$20.00  
Checking \$1104.17  
Savings \$1404.46

## Committee Reports

- **Public Service** - Pam KCØCJM—No Report.
- **Technical Committee** -- Stew WØSHL —John NØHZN gave the report (see minutes elsewhere in the Flyer).
- **Repeater Control Op** Roger WBØISF No Report.
- **ARES** Steve KBØPSS.
  - Reminder for all ARES members to check in on the Sunday Night Net as often as possible
  - Some discussion on the use of a 100Hz tone on the 146.82 during ARES events if needed. There was also talk of using 136.5 tone instead. More discussion to follow.
  - We need to do more training on regular packet operation. Steve will mail latest ARESPACK program to members so they will have a copy.
  - There will be a drill on 9/16 at the Airport. This will be a simulate air crash. ARES members will act as shadows to the drill officials. Steve had a list of members who will help out.
  - There is a SET drill coming in October. We may try to use APRS messaging—more info will be coming.
  - Steve also had handouts of various ARES related material.
- **Education** Mel KCØP—No Report

## New Business

- Dave K7CJO announced the RARC was presented a Partner Award by the American Red Cross for all the work the club has done for the Red Cross.
- Bob KCØGND went over his proposal for a new award—"Ham of the Year" - see details of this in the Flyer. We'll be discussing it at a future meeting.
- John NØHZN reminded us that we need to decide on the future of the Hamfest. This needs to be decided soon, as prep work begins in November. We will discuss this at the October meeting and vote.
- Bob KCØGND also did a short presentation on the 2001 budget. So far it looks like we will be ok in 2001 and not have to raise the dues, if we keep the same number of members (hopefully go up!).
- Reminder of the Skywarn banquet in November (see letter from Dave W0EAS elsewhere)

Adjourned @ 9 PM

## Program

The program for the meeting occurred before the meeting itself. Doug WAØVEZ inflated a hot air balloon and answered questions on its use and operation. A great Show!!

(See [Hot Air Ballooning](#) page -- Webmaster)

Submitted by Bob NØEST

## Meeting Minutes - October, 2000

The October meeting of Rochester Amateur Radio Club was called to order at 7:00 PM by President Dave Peterson, K7CJO. Introductions were held with 20 members present.

## Reports

- Secretary's report by Bob, NØEST, was approved.
- Treasurer's Report by Bob KCØGND was approved:
  - Cash \$45.00
  - Checking \$1405.81
  - Savings \$773.18

## Committee Reports

- **Public Service** Pam KCØCJM—No Report (Pam was Absent)
- **Technical Committee** Stew WØSHL— (see minutes elsewhere in the Flyer)
  - . Joe KBØRZW asked about the problem with noise on the 146.82 repeater. So far no problem has been found, we will continue to monitor.
- **Repeater Control Op** Roger WBØISF No Report.
- **ARES** Steve KBØPSS.
  - The NWS will be trying to join the Sunday Night, some of the time.
  - Steve has been broadcasting the ARRL Audio news following the net—this will continue
  - There will be a Mayo ARES drill later in October. Date to be set later—listen on the Sunday Net.
  - Gary NØZOD talked about the DEM activities this year. We lucked out and there were no fires this year.
- **Education** Mel KCØP—No Report

## New Business

- John NØHZN and Dave K7CJO will be talking a class on writing grants - this will help the RARC get funds from various community groups.
- Pat NØADQ talked about JOTA. It looks like we won't be doing one this year.
- Pat NØADQ also mentioned that 6 students are in the class Mel and Pat are teaching. He also asked about interest in another over the air code class.
- John KØKTY gave some statistics for the RARC web page:  
For 9/2000, 1390 hits (46/day). 1/3 of the hits were to the main page. Most hits were to: 1) Members Page, 2) Links Page, 3) Flyer, 4) Classes, and 5) Scanner Frequencies.
- John KØKTY and John NØHZN gave a presentation on the outlook for the 2001 Hamfest. Basically, income has been flat, attendance is declining. The outlook is for more of the same.

Long discussion on whether or not to continue the Hamfest.

A motion was then made and seconded to discontinue the Hamfest in it's present form. This was passed—the RARC Hamfest is no more—we had a good run (23 years).

Some discussion on alternative Hamfests—like tailgate swap fests. This was deferred to a future meeting.

- John NØHZN is collecting nominations for officers for the November meeting. If you are interested in a position as a club officer, please contact John Scott NØHZN.

## Program

John Scott NØHZN gave a talk on the proper operation of the 146.82 repeater, the autopatch and the remote base.

Submitted by Bob NØEST

## Meeting Minutes - November, 2000

The November meeting of Rochester Amateur Radio Club was called to order at 7:00 PM by President Dave Peterson, K7CJO. Introductions were held with 25 members present.

## Reports

- Secretary's report by Bob, NØEST, was approved.
- Treasurer's Report by Bob KCØGND was approved:  
Cash - \$45.00  
Checking \$1407.13  
Savings - \$704.55

## Committee Reports

- **Public Service** - No Report
- **Technical Committee** - Stew WØSHL-- Stew was absent.  
John NØHZN reported that the committee did not meet this month due to scheduling conflicts.  
Cable for the 146.82 repeater is \*still\* on order.
- **Repeater Control Op** - Roger WBØISF - No Report.
- **ARES** - Steve KBØPSS.
  - It has been suggested that the Sunday Night Net, which is a 7:30 PM during the winter, move to a permanent time of 9PM. Steve asked for a show of hands and most folks thought this was a good idea. It will be discussed on upcoming nets and a date will be announced (It's moving to 9 PM on 12/3/2000--Ed)
  - There will be a Mayo ARES drill on 11/28. All ARES members are invited to participate.

- There will be a IEMS committee meeting on 11/21 at Fire Station #1 They will be discussing Airport Disaster Drill planning.
- There will be a "gator" hunt after the 11/19 net. This is a variation of a "fox" hunt. We'll be using the input of the 146.625 repeater (146.025)
- **Education** - Mel KC0P--No Report

## **New Business**

- Dave K7CJO announced that Peggy KC0GNE will be the new Public Service Chair for 2001.
- John N0HZN says he is still working on 501C3 funding sources. We need to work on "selling" the club to various organizations.
- John K0KTY gave an update on the RARC Web page: Hamfest Page (announcing the end of the Hamfest) had the most hits. Other pages with a lot of hits: Note from Todd Shea, Public Service Frequencies. John also noted that a picture taken by KC0IDR (which is on the web page) is in this month's QST.
- John K0KTY also talked about upcoming activities to find out more about the interests of the club members. Starting in Mid January, we will start holding "focus" sessions with small groups of club members. What are you interested in? Where do you want the club to go?
- John N0HZN commented that the attendance at Hamfest MN was way down, and that Midwinter Madness is being scaled back too.
- Steve KB0PSS was asked is anything had come of his Repeater Link investigation. Looks like he has reached a dead end and will drop it for now.
- Dave K7CJO asked if we should have a Pizza Party for December. A big yes from everyone. Maybe move the meeting to Godfathers Pizza--Dave will investigate.

Adjourned @ 7:40 PM

## **Program**

Doug Schmidt WA0VEZ, showed a video tape of his recent trip to the Albuquerque Balloon Festival. It looks like a great event (even though the weather could have been better). (See [hot air balloon festival page.](#))

Submitted by Bob NØEST

## **Meeting Minutes - December, 2000**

The December meeting was called to order at 7PM by Dave K7CJO. No roll was taken, estimate 20-30 members plus family were present.

## **Reports**

- Secretary's report by Bob NØEST was approved.
- Treasurer's report by Bob KCØGND was approved.
  - Cash - \$70.00
  - Checking - \$674.49
  - Savings - \$1408.52

## **Committee Reports**

- **Technical Committee**

John N0HZN reported that the 82 repeater will have to be taken down and sent in for repair to figure out what's wrong with the modem. This will take it off the air for several weeks. An announcement will be placed on it for a week or so before it's taken off sometime after the first of the year.

## **New Business**

- **President Service Awards**

Dave K7CJ0 presented several Awards for service:

- Bob NØEST for bringing the Flyer into the electronic age and driving down costs.
- Bob KCØGND for budget work
- Steve, KBØPSS for ARES support in the Mayo Clinic.
- John, KØKTY for moving RARC web site to new url.

- **2001 Officer Elections**

John NØHZN reported as of this meeting, we had the following candidates:

- President - Dave Peterson K7CJ0
- Vice President - None
- Secretary/Newsletter - None
- Treasurer - Bob KCØGND

After some discussion vote was taken and the officers were elected as follows:

- President - Dave K7CJ0
- Vice President - John NØHZN
- Secretary - Stew WØSHL
- Treasurer - Bob KCØGND
- Flyer Editor - Pam KCØCJM

Meeting was adjourned at 7:20PM

## **Program**

: We all had Pizza!

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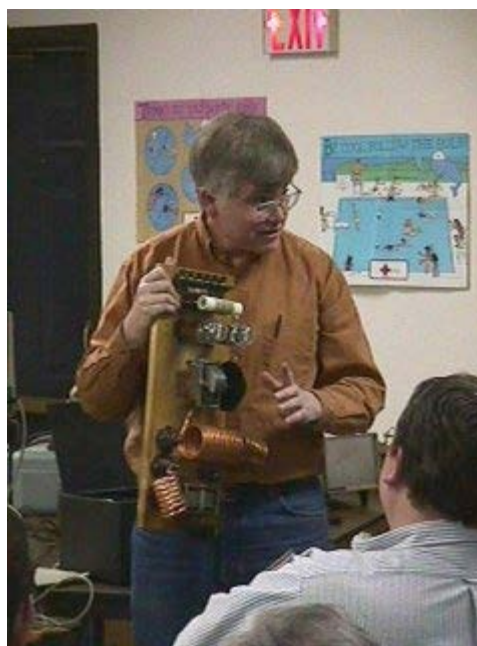
## January Meeting Program

**"Remembering Real Radio - a walk through the radios of the 30s through the 60s."**

Mel, KCØP, and Niel, WØVLZ, gave a presentation on the history and evolution of ham radio equipment at the January club meeting. The presentation was well attended and everyone enjoyed seeing the vintage radio equipment.



Club members listen as Mel, KCØP, describes some of the radio gear on display.



Niel, WØVLZ, demonstrating a 1930 home brew transmitter design that puts out 2 watts!



Some of the vintage transmitters and receivers that were discussed



Mel KCØP shows off a 1950s Hallicrafters S38B receiver.

during the presentation. Some actually worked!

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## February Club Meeting

Following a brief business meeting, the main activity at the February meeting was the "tabbing", labeling and sorting of 5,000 hamfest flyers. Club members completed the task in "almost record" time by preparing all 5,000 flyer in about one hour!! Thanks to all who attended the meeting and helped promote the upcoming Hamfest 2000 on April 8!!



Club members putting address labels on 5,000 hamfest flyers.



Stew WØSHL, Jeremiah KBØOFF and Steve KBØPSS operating an "assembly line" to place tabs on the hamfest flyers. (Notice that one person is working while the other two are watching!!).



Bill, WBØYEE, trying to maintain order for the zip code sorting of the 5,000 labeled flyers. Peggy, KCØGNE, looks

on.

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## September Meeting Program

### Hot Air Ballooning

Doug, WAØVEZ, gave a demonstration on hot air ballooning at the September club meeting. With the assistance of some pilots of the Roscoe BBQ hot air balloon group, a hot air balloon was set up and inflated near the American Red Cross building. After the balloon inflation, Doug answered questions from club members on the sport of hot air ballooning.



Doug WAØVEZ (second from left) adjusting the fan to begin inflation of the balloon envelope.



The hot air balloon begins to take shape.



Doug WAØVEZ operating the burner to place hot air into the balloon envelope. The burner puts out a "couple" million BTUs of heat!!



Doug, WAØVEZ, sitting in the hot air balloon basket and answering questions from club members.

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P.O. BOX 1, ROCHESTER, MN 55903

## November Meeting Program

### Albuquerque Hot Air Balloon Festival

Doug Schmidt, WAØVEZ, showed a video tape of his recent trip to the Albuquerque Hot Air Balloon Festival.



WAØVEZ provides commentary to club members on the video tape of his trip to the Albuquerque Balloon Festival.



Video screen shot of hot air balloons at festival.

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**ROCHESTER AMATEUR RADIO CLUB, INC.**  
P.O. BOX 1, ROCHESTER, MN 55903

## RARC Club Meetings - 1999

RARC club meetings are held each month on the second Tuesday of the month at 7:00 p.m.. The meetings are at the [American Red Cross Building, 310 14th Street SW.](#) Visitors are welcome.

### RARC Meeting Minutes

Click on a month in the following table to go to the RARC meeting minutes.

1999   [Jan](#)   [Feb](#)   [Mar](#)   [Apr](#)   [May](#)   [Jun](#)   [Jul](#)   Aug   Sep   [Oct](#)   [Nov](#)   [Dec](#)

#### Meeting Highlights - January, 1999

The January meeting of Rochester Amateur Radio Club was called to order at 7:00 pm by President Dave Peterson, K7CJO. Introductions were held with 25 members present.

#### Reports

- Secretary's report by Bob, NØEST, was approved.
- Treasurer's Report from Tony AAØSM, was approved

#### Committee Reports

- Technical Committee
  - Stu KCØZC met with Dave Carr NØPGO to discuss terms of the transfer of the 146.625 to the RARC. Dave agreed to modify the agreement to limit the time that he will reclaim the 146.625 frequency to 1 year, and only upon FCC notification.
  - John NØHZN reported that work was done on the 146.82 repeater to lower the volume of the ID tone and beep. John KAØMYG also adjusted the autopatch volume so it was a bit louder. Still need to get back out to the site to test modem, route cables, etc.
- Repeater Control Op-No Report
- ARES - Steve KBØPSS
  - A drill was held in December 98 to try and link Fire stations in Fillmore, Wabasha, Olmsted, and Winona county with emergency communications. This went well, with further followed planned. Jan 23/24 – Winona Special event station. Outside, overnight similar to field day (Ed note: this event was cancelled)
  - Sun Night Net will start to do packet checkings again, listen for details We're looking for folks to participate in the Sun night ARES HF net, 1730 local time on 3875 Khz.
  - Gary NØZOD gave an overview of Amateur Radio help at the John Beargrease sled-dog race held near Duluth. Amateur Radio played a big role, and sounds like it was a great time (but COLD!). Gary NØZOD also reported that KBØTUT is now the EC for Fillmore County, replacing NØZOD.
- Hamfest - John NØHZN
  - Midwinter Madness Hamfest in Blaine has been moved to 4/17/99, 1 week after our Hamfest.



It's unknown what impact this will have on us, but we can't control it in any case.

- Looking for folks to help out in the "Ham Radio Adventure" area at the Hamfest. Looking for 8 club tables. We currently have APRS, DX, Homebrew, ARES, Skywarn. We're looking for a few more folks – for example, how does a 2M repeater really work?
- Tables sales starting, slowly. Plan was to mail 3000 flyers, but Radio City said that it would contribute \$500 if we would mail 2000 more, and include a full page ad. This was agreed to.
- There is a very slight chance that ICOM may come to our Hamfest, we should know by the end of January.
- As part of the program next month, get club members to assemble flyers to save costs.
- Looking for folks to visit area clubs to promote Hamfest. You would go along with one of the members of the Hamfest committee. Locations include: Anoka, Austin, Red Wing, Albert Lea, Waseca, La Crosse, Bloomington, Eau Claire. Contact NØHZN or KBØPSS if you can help out.

## Announcements

- Mel KC0P reminded us of the VHF sweepstakes on Jan 23-24. We want to get 50 logs so we can qualify for the "unlimited" club category. (Ed Note: See elsewhere in the Flyer for where/when to turn in your logs)

## New Business

- Dave K7CJO made a motion to approve transfer of the 146.625 repeater to the RARC based on the new terms. Motion Approved.
- Dave K7CJO discussed the proposed budget as posted in the last Flyer. Several un-funded items were removed (club station, etc). New budget was adopted.

## Program

- Program by Dave K7CJO of "Federal preemption" - or why the city of Rochester can't regulate Amateur Radio towers. Very interesting!

Submitted by Bob NØEST

## Meeting Highlights - February, 1999

The February meeting of Rochester Amateur Radio Club was called to order at 7:00 PM by President Dave Peterson, K7CJO. Introductions were held with 25 members present.

## Reports

- Secretary's report by Bob, NØEST, was approved.
- Treasurer's Report from Tony AAØSM, was approved

## Committee Reports

- Technical Committee - Stew KCØZC
  - Meeting held 2/8/99 at the Red Cross. In attendance were NØHZN, NØEST, KC P, KCØZC, and one guest, KCØDTY.
  - Future meetings held a 6 PM, Red Cross Building, on the Monday before the club meeting. All are welcome.
  - Following assignments made:
    - 146.82 repeater – John NØHZN
    - 146.625 and 443.85 repeaters – Bob NØEST
    - Club Station – Mel KCØP

- DX Cluster – Stew KCØZC
- Remote Base – Roger WBØISF
- Any changes to club equipment should be made after contacting the appropriate member of the technical committee so we can keep track of changes
- Tone Control on 146.82. Committee recommends against tone control at this time The repeater will be setup so that tone control can be quickly activated if needed. The tone frequency will be 100.0 Hz. Sometime in the future some tests will be run. Dates and times will be announced.
- 146.82 repeater noise problem identified and is being worked on.
- ARES - Steve KBØPSS
  - Attended VOAD at Red Cross. Lots of discussion on Y2K emergency communications. Fed Med Center will setup HF station and train 5-6 operators to run it.
  - Drills – 2/12 in Anoka with MN Star Dogs. 2/20 in Lanesboro. 2 day overnight drill with K9 SAR and discussion of December Stewartville callout. Contact Steve KBØPSS if interested.
  - Looking for folks to go to Twin Cities club meetings to sell Hamfest tickets – contact anyone on the Hamfest Committee if interested.
- Hamfest - John NØHZN
  - ICOM is Coming! Thanks to Dan at Radio City for helping make this happen.
  - Radio City paid the club \$500 for a 1/2 page ad in return for mailing 2000 more flyers (5000 total).

## Announcements

- Dave K7CJO announced that the March meeting will be "Old Timers" night – invite all your old RARC members to come and socialize!
- Mel KCØP announced that the FM simple net is moving from Tues to Wed at the same time and frequency (9 PM on 146.55)
- WØGJ won 1st place in the ARRL single Op, single transmitter contest. Logged some 8000 contacts in 48 Hrs! Phew!

## New Business

Pat NØADQ would like to investigate how to renew ARRL memberships via the club – that way the club gets a cut of the dues.

## Program

Thanks to ALL the folks who help assemble 5000 (!) Hamfest flyers. The other part of the program, a discussion of the features of the 146.82 repeater by NØHZN and KAØMYG was not held because folks were to busy with the flyers!

Submitted by Bob NØEST

## Meeting Highlights - March, 1999

The March meeting of Rochester Amateur Radio Club was called to order at 7:00 PM by President Dave Peterson, K7CJO. Introductions were held with 34 members present. WOW!!!

## Reports

- Secretary's report by Bob, NØEST, was approved.
- Treasurer's Report from Tony AAØSM, was approved

## Committee Reports

- **Programs - Pam KCØCJM**

- The April Program will be a presentation on Skywarn by Dave Carr
- In August, the Red Cross indicates that the room will be unavailable, so one of the possibilities would be a "club cookout" at a local park. A show of hands indicated that most folks thought that this was a good idea. (watch for details later, Ed.)
- Scott NØJLP will be stepping down as the public service Chair this year. Pam KCØCJM has agreed to take over, but would like a "co chair" to help out. Contact Pam if you are interested.
- The Special Olympics will be donating \$200 to the club as a way of saying "thanks" to all of those members who help out each year.
- The public service table at the hamfest is in need of a small TV. Contact Pam if you can help out. Also looking for instructions on how to build a tornado chamber.

- **Technical Committee - Stew KCØZC**

- The Tech committee meeting was cancelled this month due to weather. The members did go and inspect the 146.625 repeater and it was determined that the ID PROM will need to be replaced. Bob NØEST has ordered one and it will be installed later.

- **Repeater Control Op - Roger WBØISF**

- No Report

- **ARES - Steve KBØPSS**

- Steve was contacted several weeks ago by the Rochester LEC. Someone was using LEC channel 1 (155.580) and wanted help tracking the person down. The person responsible was off the air by the time Steve could be located. If another incident occurs, Steve will be contacting ARES members with Yagi's to help track down those responsible.
- There will be a K9 SAR drill in Blaine on Sat 3/13. Meet at Best Buy @ 7AM if you want to participate.
- Steve is looking for an approximate response time for all ARES members. This is being used for planning, so please drop Steve some email with this information.
- Y2K contingency planning in Rochester is ongoing, and ARES will be participating. More details will be coming later.
- Reminder of the Skywarn training class 3/31 in Stewartville – 7 PM at the American Legion Hall.
- The Federal Medical Center (FMC) will be putting in an HF Station for Y2K and will train 5-6 operators. Will also be looking for ARES for help.

- **Hamfest - John NØHZN**

- Things a looking good for the Hamfest. A reminder that ICOM is coming this year. Dan from Radio City had a lot to do with this – make sure that you tell him thanks when you see him at the Hamfest.
- All Commercial space has been sold, and about 1/3 of the Flea Market space has been sold (about normal).
- 2 tables will be made available to club members to sell items IF and only IF they sin up to do work at the fest. Contact John if your are interested.
- CAP will be doing parking at the fest this year.
- The fest is again doing script prizes this year (\$525 total)
- KBØRXX asked about doing a special event station at the fest. Most thought it was a good idea, but who will run it??

## **New Business**

- John NØHZN asked about possibly putting some recorded announcements on the 146.82 machine from time to time. A survey of those present said that Meeting announcements, Net times sounded like goo ideas. Maybe look at experimenting with this in the future.

Adjourned at 7:55 PM

## **Program**

A GREAT program by Mel KC0P and Niel WA5VLZ on home brew projects!!!

Submitted by Bob NØEST

## Meeting Highlights - April, 1999

The March meeting of Rochester Amateur Radio Club was called to order at 7:00 PM by President Dave Peterson, K7CJO. Introductions were held with 37 members present. WOW!!!

### Reports

- Secretary's report by Bob, NØEST, was approved.
- No Treasurer's Report

### Committee Reports

- **Public Service - Pam KCØCJM**

Med City Marathon - Sunday May 30th , 8 AM - 3 PM. Coordinators Pam KCØCJM and Scott NØJLP. 20+ Volunteers needed, contact Pam @ [pamjudd@us.ibm.com](mailto:pamjudd@us.ibm.com) American Diabetes Tour De Cure Bike Race - June 5th. Coordinator is Dave K7CJO. More info to follow

Other events - coordinators needed, please contact Pam Judd, [pamjudd@us.ibm.com](mailto:pamjudd@us.ibm.com) if you want to help out:

- Special Olympic Walkathon
- Centurian Bike Race
- Juvenile Diabetes Walk-a-thon

Dave K7CJO has banners and handouts that we can use to make sure folks know that communications help is being provided by the RARC.

- **Hamfest - John NØHZN**

The Hamfest was great this year even tho attendance was down. Total thru the door was about 635. We sold every table and then some! Full report on Numbers and money next month - but we probably broke even or maybe made a bit. The Adventure area was a big success., lots of positive comments. Thanks to all who helped out.

Dave K7CJO thanked John NØHZN and Pam WØHZN for all the hard work!!!

- **Technical Committee - Stew KCØZC**

See meeting Minutes elsewhere in the newsletter.

- **Repeater Control Op - Roger WBØISF**

No Report.

- **ARES - Steve KBØPSS**

A Y2K ARES drill will be held Sunday April 25th in Rochester. This will be a test of what we can provide in term of communications for a 911 outage. The AEC's will be in charge of various types of operations:

- Bob NØEST - Packet

- John N0HZN - VHF/UHF
- Pat N0ADQ - HF

The drill will start at 12 PM and run until about 4 PM. Callout on the 146.82 repeater. Operators stationed at LEC, Gold Cross, Fire Stations, and shelter areas. Repeaters to be used are:

- 146.745 - Talk In
- 146.82 - County Wide
- 146.625 - City Communications

All participants will need ARES Ids. Please wear standard ARES yellow when coming to the drill.

## **New Business**

A letter was received by the club concerning the use of the repeater; this letter was read aloud to those attending (see "From the Mailbox" in this issue for the complete text of the letter)

A proposal was made by Stew KC0ZC to allow him to take over the operation of the DX cluster from the RARC. The purpose of this would be to allow Stew to take over the responsibility of electricity and maintenance and relive the club from any further responsibility. Stew will keep the DX cluster up for the foreseeable future.

A motion was made and passed to turn over the DX cluster to Stew for the sum of \$1

Adjourned at 7:40 PM

## **Program**

A nice program on Skywarn and storm spotting by Dave Carr, N0PGO - Thanks Dave!!

Submitted by Bob NØEST

## **Meeting Highlights - May, 1999**

Meeting was called to order at 7:03 p.m. 27 people were present and there were three new members (Steve Gifford, Scott Perner and Cliff Lawrence).

## **Committee Reports**

- Public Service - Pam Judd mentioned that the Med City Marathon and the Diabetes Bike-a-Thon public service events were coming up and club members would be needed to provide communications support..
- Technical - Dave P. will be leading the Y2K preparation. Last week he went to the remote site out at Simpson and mentioned that he would like to put 2 meter packet off the air and put APRS on for awhile.
- Lois also came in to express her appreciation of the work we have been doing for the Red Cross.
- Mel Larson has the 2 meter radio working at the club station located at the Red Cross building.
- Nothing to report from the Operations committee.
- ARES - Steve W. talked about the level 2 activation on Sunday, May 23rd. The event starts at 6 a.m. in downtown Minneapolis and ends around 1p.m. The scenerio is a terrorist threat. A base station is not required, but Steve needs to know who is interested in participating. No walkins will be allowed.

## **Other Business and Announcements**

- LaCrosse Weather is giving an Open House Thurs. May 19th, from 2-7 p.m.
- Steve W. said he is going to start keeping track of call signs for the Sunday night nets to track attendance. Steve said he will also start putting K-9 activity in our monthly newsletter so interested parties can attend their training days. The next K-9 event is June 19th, Saturday. It is a one day

event.

- Steve W. is also working with area emergency officials on Y2K preparations. December 31, 1999, is planned for activation of fire, red cross, state patrol and three shelters.
- Dave Peterson attended a Y2K "Teach the Teachers" class, If anyone is interested in a Y2K pitch for their organization, they can talk to Dave. He is looking for space on a web page for this subject.
- Hamfest - John Scott said the 1999 hamfest was the best the club ever had, but attendance was down. He announced that the club made about \$300.00 from the hamfest..
- Dave reminded everyone of the fall class for getting a ham licence. These is a web URL for practice tests (located on the RARC web page)..
- Stew Lewis said there is an upswing in sunspot activity and he was able to reach Scotland the other night!
- It was mentioned that the ICOM Fun Mobile would be in the Twin Cities.

Ajourned at 7:35pm

Program

Steve W. did a wonderful presentation on Go Packs and brought his equipment in to show everyone how to make one up. It was very educational and most that stayed for the presentation enjoyed it very much! Thanks to Steve!!!!

Submitted by Pam Judd, KBØCJM

## Meeting Highlights - June, 1999

The June meeting of Rochester Amateur Radio Club was called to order at 7:00 PM by President Dave Peterson, K7CJO. Introductions were held with 27 members present.

### Reports

Secretary's report by Bob, NØEST, was approved. Treasurer's Report - Tony was not present. Bob NOEST reported that the club has about \$1800 in total funds (checking, savings)

### Committee Reports

- Public Service - Pam KCØCJM

Pam thanks everyone who helped out with the Med City Marathon and the Diabetes bike-a-thon. We will also need 8-12 or so folks to help out at the Rochester Fest parade on 6/25. Contact Pam if you can help out.

- Technical Committee - Stew KCØZC

See Technical COmmittee meeting minutes elsewhere in the newsletter.

- Repeater Control Op - Roger WBØISF

No Report.

- ARES - Steve KBØPSS

- Attendance is going up on the Sunday night net - good to see more folks participating.
- Steve also had some handouts for those who wanted them: Skywarn Maps, Go Pack items, and personal Y2K checklist.
- Working with Rochester police on Y2K contingency planning. More information and details

are coming.

- On Sat 6/19 there will be an K9 SAR drill at Chester Woods park. Will involve Mayo 1 and the dive team as well. Looking for about 6 operators to help out.
- Thanks to those folks who went to Mpls (KB0TEF, WD0GCP, KB0RZW) to help out with the drill.
- Steve had a letter from the Max N0FKU with commendations for those folks that helped out during the recent gas explosion in Rochester. Awards presented to: (I hope I got them all - Ed.): KB0TUT, KC0EEU, N0HZN, N0EST, KB0UXV, N0ZOD, K7CJO, KB0WDK

- Field Day - Pat N0ADQ

Will be held at Assisi Heights this year. There will be an HF, CW and VHF station. Looking for a camper or tents for shelter - let Pat know if you can help.

Also looking for operators - had a sign up sheet for those folks that know they can make it.

Hope to see you all there!

- Education/VEC - Mel KC0P

Report on the recent VEC test session. 3 testing, 1 new no-code Tech.

Fall Class for new HAMS - starting 9/23 (Thursdays, 7-9) Location unknown at this time.

## **New Business**

- John N0HZN had a small report on the bike-a-thon. APRS was used and it worked GREAT! Lots of new hams helped out, and they got NCS experience.
- Larry in Wanimingo has a 60' guyed tower for sale - contact KB0RZZ.
- August meeting - cannot use the Red Cross building - how about a cook out? Folks there said it was a good idea - Pam KC0CJM will look into a date (see announcement elsewhere - Ed). Also will be doing a Fox Hunt at the August meeting.
- Stew W0SHL did a short talk on how 3rd party calls could be charged to your phone and how to block them.

Adjourned at 7:55 PM.

## **Program**

APRS presentation by Bob N0EST.

Submitted by Bob N0EST

## **Meeting Highlights - July, 1999**

The July meeting was called to order by president Dave, K7CJO. There were 29 people present.

## **Business Reports**

- Secretary's report - not available.
- Treasurer's report - not available.

## **Committee Reports**

- Technical Committee

Chairman Stew, WØSHL, was out of town, so John, NØHZN, gave a short update on the work that was done on the remote base. During a weekend thunderstorm the remote base went down. Bob, NØEST, and Stew, WØSHL, went to the site and powered the system off and on. The power reset seemed to have cured the problem.

There also was a short discussion on the proper use of the 146.82 repeater auto patch facility. John, NØHZN, will have a small article in an upcoming *Flyer* explaining the proper use of the auto patch.

- Public Service - Pam, KCØCJM

Pam thanked everyone who helped out with the Centurian bicycle event and special thanks to John Scott, NØHZN, for running the event. APRS was used and was a key point in making this event a successful one. Steve, KBØPSS, said that these events are also a good time for people who would like to get some NCS experience with someone there to help them out if needed.

- ARES - Steve, KBØPSS

911 Activation - There were 34 operators staged in four locations though out the county from 1:00pm Wednesday, July 7, thru 6:30pm Thursday, July 8. This was a fantastic turnout and is what ham radio is all about.

Lewiston Tornado - We had seven operators working from 12:00pm to 7:00pm Friday, July 9, giving the Winona county operators a break. Others were ready to fill in more spots if needed. Once again, this was another great turnout on short notice.

August 28 Drill - Saturday, August 28, there will be a drill in the Lanesboro, Minnesota, area. There will be several scenarios. Planned, at this time, is a bike incident involving an accident on the bike trail, a (simulated) fatality on the river from a canoe accident, A simulated cadaver search, snake bite victim, escaped prisoner, and some lost people in the woods along the bike trail. Law enforcement, DNR, Mayo 1, K9 search and rescue and ARES are all planning to participate in the drill.

Everyone is invited to come see what goes on during the August 28 drill. Even if you don't want to participate, come down and observe. It's a great way to learn what the ARES organization does. This drill is being planned by Gary, NØZOD, and should be filled with surprises.

Mayo Clinic - The radio equipment is up and operating at both St Marys and Methodist hospitals. There will be a meeting this month to review the equipment and discuss what role ARES would play in case a evacuation of either facility was ordered. Operators who want to participate need to be certified, and must have proper identification. See Steve, KBØPSS for questions.

Equipment Labels - Steve reminded everyone to label their equipment. We had some items that we didn't know the owner during the last couple of events. It was suggested that you put your name, phone number and callsign on each item.

ARES Signs - Rob, is looking into ordering magnetic signs (Skywarn and ARES). Paul, WDØGCP, is ordering ARES patches. If you are interested in either, please contact Steve, KBØPSS, and he will get the information to Rob and Paul.

## Old Business

- Field Day

Pat, NØADQ, reported that this was the best field day ever. There were 766 CW contacts, 836 Voice HF and VHF, and 185 Contact made on 6 meters, for a total of 2,968 points.



- Tax Exempt Status

The tax exempt (501c-3) status filing is still progressing. The form is about half completed and work is being done to complete it soon.

## New Business

- [August Picnic and Foxhunt](#)

August 21st is the date for the 1st Annual RARC Cookout and Foxhunt. Time is 11:00 am to 4:00 pm with lunch being first before the foxhunt. Please bring your own meat to grill and a dish to pass. Plates/napkins and beverages will be provided by RARC. The Chester Woods park does not take reservations, so some volunteers are needed to come out early in the day to save a shelter. Some people who have portable grills need to bring them out so we have something to grill on!! Swimming is available to those who are interested. Bring friends and family. All are invited to attend!

- Dave, K7CJO, read letters from Dave Carr, Olmsted County Emergency Services,, and Lois Hamilton, Red Cross, thanking the club members for all the help and manpower that has been provided during the last couple of months.
- The Red Cross is installing a power transfer switch so the building can be run on our generator in the event of a power failure.. Work is still in progress.

Submitted by John, NØHZN.

## Meeting Highlights - October, 1999

The October meeting of Rochester Amateur Radio Club was called to order at 7:00 PM by President Dave Peterson, K7CJO. Introductions were held with 35 members present.

## Reports

- Secretary's report by Bob, NØEST, was approved.
- Treasurer's Report - Tony, AAØSM, was not present. Bob, NØEST, reported that the club has about \$600 in total funds (checking, savings)

## Committee Reports

- Public Service - Pam KCØCJM  
No Report.
- Technical Committee - Stew KCØZC  
See meeting minutes in November Flyer.
- ARES - Steve KBØPSS
  - Steve has handouts for Y2K preparedness, ARES 1 day go kits, Red Cross information Steve talked about upcoming Red Cross classes (see information in the Flyer - Ed)
  - Net control operators are needed for the Sunday night net to replace operators who have left the area - see Steve if you want to help out.
  - A Y2K signup sheet was available
  - There was a Y2K drill last Sunday to test what modes work well. Next one will be soon (TBA).
  - Two drills in October: JOTA (Boy Scouts) on 10/16, and Chester woods on 10/13. Radio Ops needed for victims for this drill. See Steve if you can help out.
  - Some experimentation with tone on the 146.82 repeater was done on Sunday Night nets. It was suggested that folks put a tone of 100 on in case we need to switch it on the repeater.
  - St Marys - still work going on here, special training will be required. More info to follow.

- Steve requested that all ARES members make sure that they get updated email, phone, and contact info to him so he can keep his directory current.
- Dave, K7CJO, talked about the upcoming Boy Scouts Jamboree on the Air (JOTA) on 10/16. Folks that want to participate should meet for the Saturday breakfast at 6:30 AM and then plan on going to the scout camp at 8 AM.
- Dave also touched on the upcoming Red Cross Classes.
- Rob, KCØFOW, mentioned that the Skywarn signs are in - see him to pick yours up.
- Dave K7CJO showed off the clubs AMEM award.

### **Hamfest 2000 - John, NØHZN**

At the September meeting, a motion was made and passed to cancel the Hamfest. Since then there has been a lot of feedback and, since the September meeting was held at the EOC and folks could not discuss things, we're going to reopen the discussion.

- We're looking at the Hamfest as "break even" - so the plan is to raise table prices to \$25/\$15 to bring in about \$1000 more income.
- Lots of discussion on options - Can we go back to John Adams or another location? Should we? What about door prizes?
- Midwinter Madness is right after our Hamfest - will it hurt?

After much discussion, a motion was made by Roger, WBØISF, to continue the fest, \*IF\* \$500 more could be put into the club funds by 10/26. If we don't have that much, the Hamfest will have to be cancelled. The motion was seconded and passed - so Hamfest 2000 is back!!

(Note - we got almost that amount later that night by folks paying 2000 dues - so we're OK for now.)

Meeting adjourned at 8 PM.

### **Program**

FANTASTIC program by Dr. Glenn Johnson, WØGJ, on his 1997 Heard Island DXpedition.

Submitted by Bob, NØEST

## **Meeting Highlights - November, 1999**

The November meeting of Rochester Amateur Radio Club was called to order at 7:00 PM by President Dave Peterson, K7CJO. Introductions were held with 22 members and 2 guests present.

### **Reports**

- Secretary's report by Bob, NØEST, was approved.
- Treasurer's Report - Tony was not present.

### **Committee Reports**

- Public Service - Pam KCØCJM - No Report.
- Technical Committee - Stew KCØZC - No Report.
- Repeater Control Op - Roger WBØISF - No Report.
- ARES - Steve KBØPSS
  - Generator has been serviced and checked out and it's working just fine. Next job is working on an operators manual. Wiring for the Red Cross building still not complete. Some question as to whether we need a license for the generator, since we're not moving it. Steve will investigate.
  - One more Red Cross class coming up: Damage Assessment. Sign up sheet available. Steve had

various ARES handout available.

- Red Cross will be offering free First Aid class to all RARC members - details to follow at a later date.
- A 60 ft tower is available for the club. Steve KBØPSS will schedule a time in early December to remove tower and take to Red Cross site.
- Brian Kingsbury of SMCSAR will offer outdoor training to anyone interested in getting used to working with the dog team. This will be on December 13 and 14th. Contact Steve if interested.
- Steve is taking sign-ups for the Y2K event.
- Net control on schedule for the Sunday Night Net is forming for 2000. Contact Steve if you want to be on the schedule.
- Gary NØZOD went over details of the communications plan for the Y2K rollover on 12/31 and the state wide drill on 12/18/1999.
- Steve KBØPSS reminded everyone of the APRS/Packet tabletop on 11/22 at the Red Cross.
- Hamfest 2000 - John NØHZN

Flyers were distributed at Hamfest MN in the Twin Cities. The big news is that Yaesu is coming back in 2000! There is also a slight chance Icom will come too (but don't hold your breath!)

We're current looking for PC groups to demo/participate in Hamfest 2000 - contact John if you have any groups in mind.

### Other Business

- Dave K7CJO went over the budget for 1999 and the outlook for 2000. Net is that we're spending over \$40/member and only taking in \$25/member. This has to change in 2000!
- A motion was made by Bob NØEST that we have a Pizza party at the December meeting. Since the club can't fund this, a flat rate of \$5/person will be charged, excess going to the club. Motion passed.
- John NØHZN went over the Officer candidates for 2000:

President - Dave Peterson K7CJO

Vice President - Doug Schmidt WAØVEZ

Treasurer - Bob Hart KCØGND

Secretary - Bob Oesterlin NØEST

If you'd like to run for office, please contact John NØHZN or show up at the December meeting.

Adjourned at 8 PM.

### Program

Cliff Lawrence KCØFOU talked about Amateur Radio in conjunction with motor sports (Great video!) and Bob NØEST talked about modifications to the 146.82 repeater for use with APRS Mic-Encoders.

Submitted by Bob NØEST

### Meeting Highlights - December, 1999

The December meeting of Rochester Amateur Radio Club was called to order at 7:00 PM by President Dave Peterson, K7CJO. Introductions were held with 26 members and 2 guests present.

### Reports

- Secretary's report by Bob, NØEST, was approved.
- Treasurer's Report by Tony AAØSM was approved:  
Cash - \$20

Checking \$236  
Savings - 397

## Committee Reports

- Public Service - Pam KCØCJM - No Report.
- Technical Committee - Stew KCØZC  
The 443.85 Repeater was checked and cleaned by Bob NØEST. Repeater was out for about 1 week, but is back in service
- Repeater Control Op - Roger WBØISF - No Report.
- ARES - Steve KBØPSS. Separate meeting was held to go over Y2K operations (was not part of the club meeting so I don't have minutes - Ed.)
- Hamfest 2000 - John NØHZN  
Going good - listed on lots of Web pages, mailing info to PC Dealers
- Education - Mel KCØP  
The latest class is complete. Of the 9 who registered, 6 completed it. 3 took the test and passwd.

Mel asked if there is any interest in an over the air code class - learn code up to 5 WPM Starting in January, 2 nights a week for 10 weeks. To make the class happen, we need someone to run one of the 2 nights, and a "class manager" to handle the code practice oscillators. Contact Mel if you are interested.

- ARES  
Rob KCØFOW had ARES signs for those who ordered them.

## New Business

- **Election of 2000 Officers**  
Election of officers was held. The following is a list of of RARC officers for 2000:  
  
Persident: Dave Peterson K7CJO  
Vice President - Doug Schmidt WAØVEZ  
Secretary - Bob Oesterlin NØEST  
Treasurer - Bob Hart KCØGND
- **Outstanding Service Awards**  
Dave Peterson, RARC President, presented Outstanding Service Awards for helping out the RARC in 1999 to the following:  
  
Roger WBØISF - For the many things he does!  
Mel KCØP - Education  
Bob NØEST - APRS  
John KØKTY - Webmaster  
John NØHZN - for the 501C3 application work  
Steve KBØPSS - ARES  
Pat NØADQ - for the work with Scouts and JOTA  
Scot NØJLP - Public Service  
Gary NØZOD - Emergency Services

Congratulations to all!

Adjourned at 7:30 PM.

**Program** - Holiday Pizza Party!

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