



# Fox Cities Amateur Radio Club

# QSO'ER

<http://www.w9zl.ampr.org>



PO Box 5233 Appleton, WI 54912-5233

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January, 2003

## INSIDE THIS ISSUE

- 1 Club Information
- 2 New Members, Meeting Attendance, FCARC opportunities, Elmer's Contact List, Sponsors
- 3 Meeting minutes
- 4 Board Meeting minutes, FCARC Net Information, Sponsors
- 5 Ham Radio in the Arctic, Local Nets
- 6 Sponsors, Ham Test Info, Polarized Antennas
- 7 Sponsors, Newsletter Options, FCARC Banquet
- 8 Rules Review by N9RJZ
- 9 FCARC Application

## FCARC OFFICERS

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Chuck Hanson (N9OEQ)  
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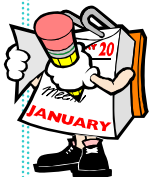


## Membership Renewal Corner

If your call sign is below, your Membership is up for renewal!

Month of **January** -- N9ECS KB9YUC KC9IYC W9ER  
N9FZI KB9YUB W9ZC KB9IE KA9LAR  
KA9LAR ND9Z KB9LRD KB9LRE  
KB9NLL W9OP KA9ZCF W9BBI

Month of **February** -- KC5WKO N9ZHZ K9JEN



Meeting Date:

**Monday January 20<sup>th</sup>**

(Always the 3<sup>rd</sup> Monday of the month 7:00 PM)  
Columbus Club 2351 North Richmond Street

Board Meeting Date:

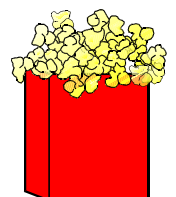
**Monday January 27<sup>th</sup>**

(Always the 4<sup>th</sup> Monday of the month)  
To be announced 7:00 PM



**ALL ARE WELCOME TO ATTEND ANY MEETING!**

**Celebrate  
Popcorn day  
January 25<sup>th</sup>**



## New Club Members

We would like to welcome our newest and renewed members to the Fox Cities Amateur Radio Club



*Please make them feel welcome!*

### Board Member Attendance:

Brian Long	KB9LRD
Jon Oldenberg	AB9AH
Robin Cleveland	K9MOO
Bill Vincent	N9TNW
Dave Sprangers	N9ZHZ
Pat LaTour	K9IK
John Ensley	N9RJZ

## Club Attendance

Brian Long	KB9LRD
Pat LaTour	K9IK
Wayne Pennings	WD9FLJ
Karen Thorne	WB9ZNA
Judy Kosiorek	N9JLQ
Rick Kosiorek	W9RIC
Eric Bjorkquist	KG8RF
Lester Morse	KA9LAR
Stan Piekarczyk	KE6IFC
Erick Jensen	KB9TLM
Martha Schmeichel	N9JAD
Jeff Schmeichel	KB9BYP
Chuck Hanson	N9OEQ
John Ensley	N9RJZ
Bill Vincent	N9TNW
Ken Winters	Guest
John Marker	WA8HBE
Dan Vanevenhoven	N9LVS
Jim Sheetz	K9OQO
Richard Sonnenberg	W9UVZ
Maury Mead	W9FBC
Andy Palm	N1KSN
Gerry Radtke	WA9GON



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FCARC is in need of a person or persons to help coordinate programs for after the monthly meeting. If you are interested in helping out the club in this position, please contact  
**Brian Long (KB9LRD)**

## Elmer's Contact List

This is a listing of HAMS who are willing to help other HAMS out in special areas. Feel free to contact these fellow HAMS with any questions.

<u>CALL/NAME</u>	<u>SPECIALITY AREA</u>	<u>PHONE NUMBER</u>
KB9OAL~Steve	APRS	734-9547
W9OVK~ Don	CW	725-2524
W9ZC~ Bob	Tech. Code	725-7974
N9OEQ~ Chuck	HF & VHF Digital Modes	788-5497
W9RIC~ Rick	Repeaters, Antennas, HF & VHF	735-9565
N9TNW~ Bill	HF & Satellite	739-6827

***If you would like to be included on this list, contact any board member***

**Fox Cities Amateur Radio Club**  
Minutes for December 16, 2002

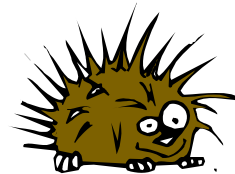
**Board of Directors FCARC:**

President: Brian (KB9LRD) -- Vice-President: John (AB9AH) -- Treasurer: Karen (KC9BMH) -- Secretary: Robin (K9MOO) Membership Coordinator: Steve (N9SGG) -- Members at Large: Steve (KB9OAL), Bill (N9TNW), Chuck (N9OEQ)

**Call to Order:** 7:00 P.M.

**Introduction of Members: Roll Call!**

**Quorum count:** Vice-President: John (AB9AH)



**Minutes:** Approval of the minutes from: October 21<sup>st</sup>

Motion to accept: Bill (N9TNW)

2<sup>nd</sup>: Lester (KB9LAR)

Vote: Passed

**Welcome New & Renewed Members: Frank (N9BPO)**

**Special Announcement:**

**Old Business:**

- A.) Winnebago County ARES has asked if the FCARC would be interested in sharing the responsibilities for the Fox Cities Marathon or consider taking the event full-time. This item will be discussed at the next executive board meeting, results will be published in the QSO'er.

**Discussion: Old Business**

**New Business:**

- A) Shall the Fox Cities Amateur Radio Club have a Hamfest 2003.

**Motion: Karen (WB9ZNA) 2<sup>nd</sup>: Bill (N9TNW) Vote: Passed**

- B) Election for Hamfest Chairman for the 2003

- C) Nomination for "Ham of the Year"

**Discussion: New Business**

**Guest speaker (s):** None

**Committee Reports:**

**Discussion:** Open format

**Announcements:**

The 2003 Wisconsin QSO party is March 9, 2003 Are you ready?

2001-6<sup>th</sup> place, 2001-13<sup>th</sup> place, 2000-9<sup>th</sup> place, 1999-4<sup>th</sup> place, 1998-5<sup>th</sup> place, 1997-8<sup>th</sup> place

Brent (KC9BQK) will be net control for the Wednesday night 2 meter net on 12/18/02

**Adjourn: Accepting a motion to adjourn: Pat (K9IK) 2<sup>nd</sup>: Bill (N9TNW) Vote: Passed**

**Program to follow:**

FYI ~ A club financial report, agenda and printed copies of the QSO'er are available at the Directors table for all members before each meeting along with other information of interest. For the consideration of others, during the business meeting please refrain from side conversations. Please...we ask all of you, **NO SMOKING.**

Thank you.

**FCARC**

**Fox Cities Amateur Radio Club  
Executive Board  
Minutes for December 23, 2002**

**Board of Directors FCARC:** President: Brian (KB9LRDP), Vice-President: John (AB9AHA), Treasurer: Karen (KC9BMHP), Secretary: Robin (K9MOO), Membership Coordinator: Steve (N9SGGP), Members at Large: Steve (KB9OALP); Bill (N9TNWA); Chuck (N9OEQA).

**Call to Order: 7: 00 P.M. Closed: 8:40 P.M.**

**Minutes:** Approval of the Executive Board minutes from: November 25, 2002  
**(Motion to accept) Bill (N9TNW) (Second) Jon (AB9AH) (Vote: M) Pass**

**Old Business:**

- A) Hamfest Committee Chairman 2003 John (N9RJZ)
- B) Fox Cities Marathon 2003
- C) Awards Banquets date February 1, 2003

**Discussion: Old Business**

**New Business:**

- A) Web Base Technologies

**Discussion: New Business:**

**Adjourn:**

**Motion to adjourn. Bill (N9TNW) (2nd) Pat (K9IK) (V/M) Passed**

**Announcements: None to report.**



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**Fox Cities Amateur Radio Club (W9ZL)**  
Invites everyone to tune in on Wednesday evenings at  
7:30 PM on 146.760/R 100hz PL  
to hear the Newline broadcast.  
Then stick around to check into the net immediately afterwards.  
*This is an open forum net and anything can be discussed, to include  
conversations on net, technical questions, equipment review and for sale items.*

## Ham Radio In The Arctic - By Scott Webber AL7RJ

Friday, December 21, 2001 18 new Hams in the Alaskan Arctic. by AL7RJ @ 8:27 pm

On December 11, 2001 the High School student body and four adults, of White Mountain Alaska, took and passed the examination for the Technician Class Amateur Radio license.

White Mountain is an Alaskan Native village in the remote Seward Peninsula (Land Bridge) area about 70 miles east of Nome and 140 miles south of the Arctic circle.

Five Hams from the Seward Peninsula Amateur Radio Club (SPARC), Ramon Gandia AL7X, Tom Busch NL7H, Mike Nurse KL0UJ, Nate Perkins KL3NP and Scott Webber AL7RJ. Flew over to White Mountain to administer the Technician class license exam, explain the Seward Peninsula VHF repeater system and demonstrate radio communication systems.

It was a rewarding day. The teachers were rewarded with a 100% pass rate for their efforts. The SPARC Hams by spending a fine day in a friendly and pleasant village. The village Elders by sensing the beginnings of wisdom in an up and coming generation. But mostly the students whose effort earned them selves an Amateur Radio call sign and the privileges and responsibilities that go with that call sign.

These new 'Hams' will be making use of an extensive VHF repeater system designed and built by SPARC Amateurs to help in search and rescue efforts on the Seward Peninsula. Communication between villages, camps, and Nome is possible with low power hand held, Ham band, VHF radios. But the most important thing that these students have done. Is to lay a part of the foundation for their future. A future in which, the world of electronic communications may play a very large part.

The village sits next to a river at the edge of the arctic tree line and has a population of about 180 people. The ham population, before the great testing event consisted of village Elder Alfred Apodruk, KL7BJV, Eric Morris, KL0HT and Tom Grey, KL0CQ. During the testing session the weather outside was clear, calm and 16 degrees (f) below zero.

### Local Nets

#### Sunday

7:00 p.m. - **147.24 Mhz Repeater** - Winnebago County ARES/RACES Information Net This net is also used by the Winnebago County ARES/RACES/Skywarn Operators.

8:00 p.m. - **146.655 Mhz Repeater** - Outagamie County ARES Information Net This net is also used by the Outagamie County ARES/Skywarn Operators. Everyone is welcome and encouraged to check in. The 145.15 Mhz Repeater is a backup repeater in the event of an outage of the 146.655 Mhz Repeater.

8:30 p.m. - **145.430 Mhz Repeater** - Fond du Lac ARC Information Net this net is for the Fond du Lac Amateur Radio Club. Everyone is welcome and encouraged to check in. .

#### Wednesday

7:30 p.m. - **146.760 mhz Repeater** - FCARC Weekly Two Meter Net This net is sponsored by the Fox Cities Amateur Radio Club. This Net is an informal net with a variety of amateur radio topics. Members and Non-members alike are encouraged to check in and join the discussions. Also we are now featuring NewsLine, an amateur radio news program.



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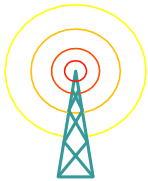
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**Michael J. Wallace, D.D.S.**

1195 West Mason Street  
Green Bay, Wisconsin 54303

Telephone: (414) 498-3633



How The Direction of Circular Polarized Antennas are Determined  
Provided by: Jon (AB9AH)

The Polarization of Ionospheric Waves is a Function of Magnetic Latitude. A wave entering the ionosphere typically separates into two waves because of the interaction of the free electrons in the ionosphere and the earth's magnetic field. The two waves are called the ordinary (o-) and the extraordinary (x-) waves. When the direction of propagation is along or parallel to the earth's magnetic field, the two waves are circularly polarized, in opposite senses. When the direction of propagation is transverse to the earth's magnetic field, the electric field of the o- wave is polarized parallel to the earth's magnetic field and the electric field of the x- wave is polarized perpendicular to the earth's magnetic field. In the splitting of the two waves the MOF of the x- wave is typically higher than the MOF of the o- wave. In general the o- wave is the dominant wave having less attenuation through the ionosphere compared to the x- wave.

In the Northern Magnetic Latitude the o- wave travels up from the transmitter in a right hand elliptical polarization (REP) mode and arrives down to the receiver in a left hand elliptical polarization (LEP) mode and is typically the strongest wave. The x- wave travels up from the transmitter in the LEP mode and arrives down to the receiver in the REP mode.

At the Magnetic Equator the o- wave is linearly polarized along the magnetic NS for a wave travelling up or down (transmit or receive). The linear polarization for the x- wave is along the magnetic EW for a wave travelling up or down (transmit or receive).

In the Southern Magnetic Latitude the o- wave travels up from the transmitter in the LEP mode and arrives down to the receiver in the REP mode and again is typically the strongest wave. The x- wave travels up from the transmitter in the REP mode and arrives down to the receiver in the LEP mode.

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## FCARC Testing Session

Test sessions are presently being given at the American Red Cross Building in Appleton, WI. The sessions start at 8:00 am and no walk-in candidates are accepted after 9:00 am. Sessions are held on Saturdays. There is a \$10.00 fee.

February 1, 2003  
March 29, 2003  
May 10, 2003  
November 2, 2003 (FCARC Hamfest)

August 16, 2003  
February 7, 2004



## Omro Testing Session

Test sessions are presently being given at the Community Center in Omro, WI. The sessions start at 8:00 am and end at noon. Tests are always given the 2<sup>nd</sup> Saturday of the month. There is a \$10.00 fee

February 8, 2003  
March 8, 2003  
April 12, 2003  
May 10, 2003

### Newsletter Options

How do you get the QSO'er snail mail or Email?

Would you like to change how you receive the newsletter?  
You can and it is painless.

To change how you get the QSO'er:  
Call Robin at 470-6194  
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Email Robin at [Whipstaff@yahoo.com](mailto:Whipstaff@yahoo.com)

Robin (K9MOO)  
Secretary/Newsletter Editor

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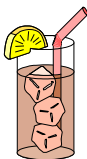
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## FCARC BANQUET



**Date:** February 1, 2003  
**Where:** Columbus Club 2351 North Richmond Street Appleton, WI  
**Time:** Social @ 5:00 PM to 6:30 PM     Dinner @ 6:30 PM to 7:30 PM  
Awards Ceremony 7:30 PM to aprox. 9:00 PM  
**Price:** \$13.25/person due by **1-29-03** pay the club treasurer either at the meeting or send to the PO Box  
**Menu:** Beef Tips, Chicken and Ham  
Mashed Potato, Gravy and Dressing  
Corn, Dinner Rolls and Coleslaw  
Desert, Coffee and Milk



The following are the members who will be receiving a certificate of appreciation from the FCARC.

**AB9AH, K5OT, K9GRL, K9HID, K9IK, K9MOO, K9OQO, KA9ZCF, KB9BYP, KB9BYQ, KB9LRD, KB9LRE, KB9OAL, KB9SZP, KB9TLM, KB9USN, KB9WAF, KC9AA, KC9ACT, KC9AFC, KC9BMH, KC9BQK, KE6IFC, KF9CS, N1KSN, N9FT, N9FZL, N9JAD, KB9ENO, N9JLQ, N9LVS, N9OEQ, N9RJZ, N9SGG, N9TNW, N9WNU, N9ZHZ, ND9Z, NQ9F, W9FBC, W9IEI, W9MDP, W9OVK, W9RAG, W9RIC, W9UVZ, WB9BBI, WB9ZNA, WD9FLJ.**

If you're name is not on this list above and you made a contribution in 2002 to one of our communities on behalf of Amateur Radio. Please feel free to contact me at [blong@tponet.com](mailto:blong@tponet.com) or 920-730-8485. Thank you all for you're effort in 2002, I'm looking forward to 2003 with great enthusiasm.

Sincerely,

Brian J. Long (KB9LRD) President, Fox Cities Amateur Radio Club

## Rules Review by N9RJZ

The increase in the number of message forwarding systems has been a benefit for many amateurs. It seems appropriate to review the rules a bit of part 97.219. Most control ops take great effort to operate within the rules and extend the trust and friendliness that is one of the characteristics of amateur radio.

The rules state in part, “control operators of forwarding stations that retransmit inadvertently communications that violate the rules in this Part are not accountable for the violative communications. They are, however, responsible for discontinuing such communications once they become aware of their presence.”

Much traffic though packet and other systems should be forwarded without the control operator reading every line and checking every comment. It would seem anything more than incidental checking would require the same courtesy that is followed when monitoring a frequency. You normally check in and announce you are monitoring. Overly invasive control operators are not following the rules as most people would interpret this section dealing with message forwarding systems.

Certainly, nothing belongs on the air that should not be public. However, monitoring without announcing the fact, and using the information gathered, (perhaps out of context) violates the spirit of trust in amateur radio among operators. Be aware of the rules so that your rights and those of other amateur radio operators are protected, and the trust and cooperative nature of working together is maintained.

Watch for periodic rule reviews in the newsletter. The full text related to this brief review is continued below.

§97.219 Message forwarding system.

(a) Any amateur station may participate in a message forwarding system, subject to the privileges of the class of operator license held.

(b) For stations participating in a message forwarding system, the control operator of the station originating a message is primarily accountable for any violation of the rules in this Part contained in the message.

(c) Except as noted in paragraph (d) of this section, for stations participating in a message forwarding system, the control operators of forwarding stations that retransmit inadvertently communications that violate the rules in this Part are not accountable for the violative communications. They are, however, responsible for discontinuing such communications once they become aware of their presence.

(d) For stations participating in a message forwarding system, the control operator of the first forwarding station must:

(1) Authenticate the identity of the station from which it accepts communication on behalf of the system; or

(2) Accept accountability for any violation of the rules in this Part contained in messages it retransmits to the system.



# FOX CITIES AMATEUR RADIO CLUB

## Application

Circle your preference:

- Membership** (new members)  
 **Renewal** (for existing members)

Regular mailing  
Electronic mailing

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**Full - \$15.00 Associate (non ham) \$15.00 Student - \$10.00 Retired - \$10.00**  
**\*Family - \$15.00 plus \$5.00 each additional family member residing at the same address**

Please make checks payable to **FCARC**

Mail to: **FCARC P.O. Box 5233 Appleton, WI 54912-5233**

**\*see by-law's Article IV section1**