



FOX CITIES AMATEUR RADIO CLUB

QSO'ER

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



Volume 15, Issue 5

October, 2002



Club Meeting Date:
Monday October 21st
(Always the 3rd Monday of the month)

Board Meeting Date:
Monday October 28th
(Always the 4th Monday of the month)

All FCARC meetings are held at the Appleton Columbus Club
2351 North Richmond Street and starts at 7:00 PM

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

OCTOBER 27, 2002
Daylight savings time!
**Don't forget to
fall back**

FCARC OFFICERS

President

Brian Long (KB9LRD)
blong@tponet.com 730-8485

Vice President

Jon Oldenburg (AB9AH)
ab9ah@arrl.net 832-9727

Treasurer

Karen Long (KC9BMH)
waltsamk@netscape.net 730-8485

Secretary/Newsletter Editor

Robin Cleveland (K9MOO)
Whipstaff@yahoo.com 470-6194

Membership Coordinator

Steve Lamers (N9SGG)
n9sgg@new.rr.com 749-8824

Members At Large

Steve Pelletier (KB9OAL)
kb9oal@new.rr.com 734-9547

Bill Vincent (N9TNW)
wvincent@execpc.com 739-6827

Chuck Hanson (N9OEQ)
chanson1@new.rr.com 788-5497

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Membership Renewal Corner

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



Month of October --	NQ9F	KB9BYQ	KC9ACT
	W9WIS	N9WNU	K9IK
	N9BPO		

Month of November --	AB9AH	N9QZD	KC9AFC
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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)*

Do you like keeping track of receipts, balancing books, and general accounting...

Then the FCARC has a position for you!

We are in need of a chair person and committee members for an audit committee

Club Member Attendance

Brian Long	KB9LRD
Jon Oldenberg	AB9AH
Karen Long	KC9BMH
Robin Cleveland	K9MOO
Steve Lamers	N9SGG
Steve Pelletier	KB9OAL
Bill Vincent	N9TNW
Chuck Hanson	N9OEQ
Andy Palm	N1KSN
Don Quinn	W9OVK
Bob Pratt	W9ZC
Eric Bjorkquist	KG8RF
Judy Schneider	N9PBM
Mary Sieth	Guest
Hal Sieth	NQ9F
Chad Pennings	N9PRC
Wayne Pennings	WD9FLJ
David Sprangers	N9ZHZ
Jenny Sprangers	K9JEN
Noah Sprangers	Future Ham
Pat LaTour	K9IK
Jerry Clusen	K9USN
Gerry Radtke	WA9GON

Board Member Attendance:

Brian Long	KB9LRD
Jon Oldenberg	AB9AH
Robin Cleveland	K9MOO
Steve Lamers	N9SGG
Chuck Hanson	N9OEQ
John Ensley	N9RLZ

*ID badges for club members are done!
They can be picked up at any club meeting or contact Brian (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

Agenda for September 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: None (Corn Roast)

Welcome New & Renewed Members: Andy Palm (N1KSN), Randy Bullock (KB9SGO), Dan Lenz (KB9IME), Steve Pelitier (KB9OAL), Erik Jensen (KB9TLM), Don W9OVK

Old Business:

A.) The FCARC Hamfest will be November 3rd at Saber Lanes in Menasha, WI. We need your support to make this event another successful W9ZL event. We need volunteers to set-up and take down equipment, dispense food, collect money, control access and generally give a hand to help organize this event. Remember this event is a big portion of our annual income, so please lend a hand and provide tips to make it as successful as possible. For more information please feel free to contact John Ensley (N9RJZ) 920-993-5509 or john@tponet.com or Brian Long (KB9LRD). Additional information along with table reservations, directions and all the last minute information may be found on our web site <http://w9zl.ampr.org>

Discussion: Old Business

New Business:

- 1) The Winnebago County ARES/RACES needs volunteers to help with this years Fox Cities Marathon. This is the areas largest amateur radio communications event and will requires the FCARC's help and experience to make this a successful event. The FCARC has been a valued asset in the past, let's keep up the tradition. Please feel free to contact our new Fox Cities Marathon Chairman, Dave Sprangers (N9ZHZ) 920-722-2515 or pyrodave@new.rr.com
- 2) A-T Walk for a miracle in Freedom, WI, September 21st at the VFW pavilion. Registration starts at 8:30 am and the walk begins at 10:30 am. Bake sale, food, soda and much more. W9ZL would like to have some volunteer operators for this event. Which may last from about 10:30-Noon. The 2002 A-T acting Chairman is Brian Long (KB9LRD)
- 3) JOTA- reminder please contact Jon (AB9AH)

Discussion: New Business

Guest speaker (s): Sheila Smith-- A-T Walk Children's Project Freedom 4th annual A-T* Walk for a Miracle
*Taxia-Telangiectasia (Ay-TACK-see-uh)- (Teh-LAN-jick-TAY-ssha)

Committee Reports:

Discussion: Open format

Announcements:

October special event station (W9M) 10/25-10/28/02, volunteers needed, see Fred (N9FT)

Check out the FCARC web site, the photo gallery is great!

August meeting was the corn roast at Sunset Park! A great time was had by all!

Fox Cities Marathon Chairperson was elected-Congratulations Dave (N9ZHZ)

The budget review Chairperson was elected- Congratulations Karen (KC9BMH)

A-T Walk for a miracle 9/21/02 Volunteers needed for a 2.2 mile walk. See Brian (KB9LRD)

Adjourn: 7:33 PM

Accepting a motion to adjourn Bill (N9TNW) 2nd: Steve (KB9OAL) Vote: Passed

Program to follow: Club Social

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
Agenda for September 23, 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: 7:03 p.m.

Committee report: John (N9RJZ) Hamfest 2002

The event will be at Saber Lanes in Menasha, November 3rd. We'll need Food Committee people, Thanks for the help last year: Judy (KC9ACT), Karen (KC9BMH), Maureen Woldt, Deloris (KB9IRD), Brian (KB9LRD), Al (KB9BYQ), and Ryan Vandynhoven. We will need members to help with set-up, take-down, door collections, FCARC club table sales people and security at all doors. More info at <http://w9zll/ampr.org>

Old Business:

Discussion: Old Business: No auction in September, too close to Hamfest.

New Business:

- A) Sole Burner and other walks
- B) Auction- will not be done as it is too close to hamfest
- C) Newsletter- should it include more pictures

Discussion: New Business

Adjourn: Accepting a motion to adjourn

Adjourned 7:55 p.m.



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New Club Members

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

Randy Bullock – KB9SGO

*Please make them feel
Welcome!*



Appleton Electronic Distributors
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General Manager

205 West Wisconsin Avenue
Appleton, WI 54911-4343

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Scott (KB9AMM) & Jill (KB9PZF)
PO Box 12631 Green Bay, WI 54307-2631
Products for hams from hams since 1978

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 2nd Saturday of the month. There is a \$10.00 fee

August 10, 2002	February 9, 2003
September 14, 2002	March 9, 2003
October 12, 2002	April 13, 2003
November 9, 2002	May 11, 2003

TPO Internet Service
John Ensley (N9RJZ)
920-991-2599



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.

~~August 17, 2002 Red Cross Building, Appleton~~
November 3, 2002 FCARC Hamfest
February 1, 2003 Red Cross Building, Appleton

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.



Michael J. Wallace, D.D.S.

1195 West Mason Street
Green Bay, Wisconsin 54303

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Radio enthusiasts lend a ham

Volunteers will work with county agencies in an emergency

By Eric Bradley of the Northwestern

Look, up in the sky!

It's a bird!

It's a plane!



DAVE SPRANGERS, a ham radio enthusiast, says the events of Sept. 11 opened people's eyes to the value of the radios.

No, it's radio signals from Oshkosh area ham radio operators providing essential communication during terrorist attacks, windstorms or disasters.

Local ham radio operators are working more closely with Winnebago County emergency management agencies following last year's windstorms that crippled Oshkosh's downtown and the Sept. 11 terrorist attacks. That's when the federal government turned to the hobbyists for help when cell phones and other communication systems around the World Trade Center were destroyed along with its twin towers. Ham radio volunteers across the nation will soon be specially trained in emergency communication techniques because of a \$181,900 grant from the Corporation for National and Community Service as part of the Bush administration's goal to involve Americans in the war on terror.

"People don't know we're there," said Dave Sprangers, a local mill worker and ham radio operator. "But emergency government respects us more, knowing they can have reliable, long-distance communication when the power goes out. You can't have that with phone and cell phones."

Local operators say the federal grant may directly help the Oshkosh area in the next year. During the grant year, approximately 1,700 amateur radio operators licensed by the Federal Communications Commission will have the chance to register for free to take an entry-level emergency communications course online from the American Radio Relay League.

Ham radio operators use two-way radio stations from their homes, cars, boats and the outdoors to communicate with each other using voice, computers and Morse code. Some hams bounce signals off the upper regions of the atmosphere so they can talk with others around the globe. Others use satellites. There are nearly 700,000 amateur radio operators in the United States and more than 2.5 million worldwide. There are about 30 ham radio operators who belong to a Winnebago County group of disaster experts.

"We've been fortunate in this area that we haven't lost power for a couple days, except for June 11," 2001, during the windstorm, said Sprangers, an assistant emergency coordinator. His call sign is N9ZHZ. "Sept. 11 really opened people's eyes that we can be valuable not just during a tornado, but during a chemical leak. Or it could be something on a national scale like a dirty bomb or a terror attack."

The training would create a team of radio operators that use electric generators to power radios. The team would be able to deliver news and messages inside the center of a disaster.

The training is in addition to what some radio users have already received by the Oshkosh Chapter of the American Red Cross and Winnebago County, said Oshkosh ham radio emergency coordinator Dan Lenz. Lenz used his radio the morning of Sept. 11 to help a local man find out whether his daughter, who worked in the World Trade Center, escaped before the towers fell. The message reached New York and, within five hours, Lenz confirmed the man's daughter had called in sick that day.

"We are probably the best-kept secret in the county," said Lenz, whose call sign is KB9IME. "After the June 11 storm, we did initial damage assessments the next day."

The Winnebago County group has installed repeaters that turn a weak radio signal into a strong one to broadcast it over longer distances. Some systems can access 911 centers.

The American Red Cross has trained ham radio operators in disaster recovery strategies and has asked operators to train them in how to man radios, said Scott Snyder, an Oshkosh coordinator.

"We have put some volunteers here through ham radio classes," Snyder said. "It's an important resource for the community. They are the type of volunteer that really gets motivated and educated on how they can be of the best service to the community."

AERIALS AND WHERE TO STICK THEM

By Al Cake (G3MOV)

There are great many types of antenna and most of them function best when they are erect. This is because of 'standing-waves' which produce energy in a vertical plane. Energy in the horizontal plane requires 'lying-down waves' and this is why most of the radiated and received energy is termed 'ecstatic' rather than 'magnetic'. (Kirchhoff's fourth and fifth laws of self-immolation present a heated argument on this subject.)

One of the most famous aerials is the diamond-shaped 'Ron Bick' aerial, named after its inventor Ron Bick of Watford, England. This aerial is very good but, because of its size, it has two main disadvantages - it is difficult to erect vertically and it is of limited use in fast-flying jet aircraft. Another aerial that deserves a mention is the Log Periodic - so I have mentioned it.

I will now move quickly onto the three 'pole' antennas, namely the monopole, the dipole and the tripole. The last-mentioned can be disregarded, as it is not now in use. The reason for this is fascinating, but I can't remember what that reason is. The monopole is very useful for LF, MF and HF but has limited usefulness at VHF frequencies where one should use the stereopole if maximum enjoyment is required.

At this point, the reader may feel that there has been some neglect of the technical aspect of aerials. This is true and the author intends to deal with the dipole in depth technically, but at the same time try to satisfy the natural curiosity of the non-technical reader.

The word 'dipole' is a composite of two Latin words, 'di' meaning 'six' and 'pole' meaning 'sticks'. So it can be easily seen, even by the most ignorant, that a dipole is made from six sticks. As the reader will already know from my in-depth study of the Log Periodic, six sticks will have a much wider aperture than only one stick. Now we come to the technical bit. Pushing these sticks into the ground at regular intervals will give a quasi-omniphysical deltoid stub-matching line-of-sight high incident ground wave. If three of the 'sticks' are coated with an intensely ionised P material and the other three coated with un-ionised N material then Zowie! - It's instant Receivesville man. (It is hoped that the reader will forgive the author for occasionally lapsing into the vernacular, particularly when excited).

Another thing about aerials that must be remembered is feeder independence. If the feeders of dipoles are spread apart, it changes the natural independence of the aerial from 75 Ohms to 250 Megohms. As is commonly known it is impossible to hear anything with that sort of resistance in the aerial feeder. So best not to do it.

Other types of aerial in constant use are the 'Beverage' (called the 'T' aerial in Britain). This is also called a long wire and is 1.5 inches long at 16 Ghz. The Inverted X is also famous but not much in use as no one can decide which way up it is supposed to be.

Finally, we move on briefly to microwaves where there are special considerations to be taken into account. Microwave and satellite signals can 'bounce around' all over the place and can become what is technically known as 'dirty'. However, fortunately there is one aerial, which can be used effectively to 'clean up', these 'dirty' signals. This is, of course, the very well known Carbolitic Dish.



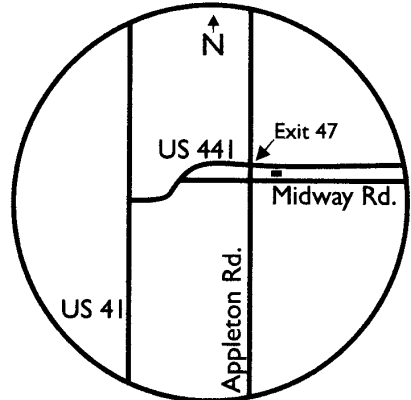
Happy Halloween

W9ZL ANNUAL HAM SUPERFEST

Sunday, November 3rd, 2002

Public Welcome
8am - 3pm

Located at:
Saber Lanes
1330 Midway Road
Menasha, WI 54952



General Admission: \$5.00
Table Reservation: \$10.00
Tailgating Spaces: \$10.00
(Weather Permitting)

WWW.W9ZL.ORG

Participate: By selling your new or used equipment: Reserve a indoor table for only \$10.00. Buy, sell or trade your radios, computers, electronic or scientific equipment. Your stuff to \$\$\$\$.

New Rules: Make it easier to get a Ham License. Unlicensed friends, please come. We will help you find out how you can experience the world with Amateur Radio including digital modes, for land, space and the Web. ARRL Representative & our W9ZL Club Membership Co-ordinator will have info for you about how to get started and licensed. Find out about classes.

Great Prizes: Official state approved raffle, Ticket holder need not be present to win the designated grand prizes. (Yes, more than one) Find more details on our website about prizes. Hundreds \$\$\$\$ total.

Event Sanctioned by the National Amateur Radio Relay League - www.arri.org

Amateur Radio Talk In on 146.52 mhz simplex, See our web site for a map.

FCC testing at 9 am by VE volunteers, original license and photo ID required to test.

Sponsor: Fox Cities Amateur Radio Club, Please visit our website at WWW.W9ZL.ORG. Food and refreshments, lots of free parking. 6500 Sq. Ft. Indoor area will be set up for a fun day: Everyone welcome, this event is the premier electronic swapmeet and Hamfest in Northeastern Wisconsin. More setup, vendor and event time details on our web site

- Directions -
From US 41 North take US 441 North to Exit 47 (Appleton Rd.). Go right on Appleton Rd. to the first light (Midway Rd.). Go left on Midway. Saber Lanes is on your left hand side.

Grand Prize Drawings (Presence not required to win)
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There will be a \$50.00 donation to the treasury of the visiting Amateur Club or Ham related group who has the most attendees at the Hamfest. Be sure to sign in for your group at the Hamfest. Hope to see you all there!!!

Orders by mail for advance tickets should contain a SASE for faster return and must be received by Oct. 28, 2002 or tickets will be available at the Main Entrance. Admission ticket purchase required with Table Order.

Name: _____

Address: _____

City, State, Zip: _____

Amateur Call: _____

Make Checks Payable to:
FCARC, 163 Main St., Menasha, WI 54952
Voice: 920-967-0276 Email: john@tponet.com

Qty	Item	Price	Total
_____	Swapfest 8" Table	\$10.00	_____
_____	Advance Admission	\$ 4.50	_____
Total Enclosed:			_____

Commercial Vendor Setup Saturday November 2nd
Doors open general admission at 8am on the 3rd