



It's almost here
GOOD FOOD & FAMILY FUN
 WHAT:
FCARC
ANNUAL CORN ROAST
 WHEN:
SUNDAY AUGUST 19TH
 WHERE:
SUNSET PARK
KIMBERLY
 TIME:
12:00 NOON to ????????
 See details inside this issue.

Next board meeting is August 27th
 at 7:00PM
 New meeting location at
Columbus Club
ALL ARE WELCOME TO COME!

Meeting Minutes

The July meeting was called to order on the 16th of July 2001 by Brian Long KB9LRD at 7:05PM. All meeting minutes were approved as listed in the newsletter. Meeting was adjourned at 8:15 PM.

CLUB OFFICERS

President

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blong@tponet.com

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832-9727

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Editors note:

Remember anything you would like published in your newsletter must be submitted to Al KB9BYQ by the 1st of each month.

Club Meeting Attendants

Brian Long	KB9LRD
Maury Mead	W9FBC
Al Van Dynhoven	KB9BYQ
Judy Van Dynhoven	
Steve Lamers	N9SGG
Steve Pelletier	KB9OAL
Chuck Hanson	N9OEQ
Debbie Hanson	N9VVB
Jon Oldenburg	AB9AH
Maury Mead	W9FBC
Bill Vincent	N9TNW
Gerry Radtke	WA9GON
Judy Schneider	N9PBM
Greg Schneider	W9IEI
Richard Kosiorek	W9RIC
Judy Kosiorek	N9JLQ
John Ensley	N9RJZ
Dave Sprangers	N9ZHZ

Board Meeting Attendants

Jon Oldenburg	AB9AH	
Steve Lamers	N9SGG	
Al Van Dynhoven	KB9BYQ	
Judy Van Dynhoven		
Brian Long	—	KB9LRD
Karen		
Judy Schneider	N9PBM	
Greg Schneider	W9IEI	
Don Quinn	W9OVK	
Chuck Hanson	N9OEQ	
Pat Latour	K9IK	
Bill Vincent	N9TNW	

***Please note future board meetings will be held at a new location the Columbus Club (upstairs)**

ELMER'S CONTACT LIST

This is a listing of HAMS that 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>SPECIALTY AREA</u>	<u>PHONE</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 one of the board members.

FCARC ANNUAL CORN ROAST

AUGUST 19TH SUNDAY

SUNSET PARK IN KIMBERLY

Take Railroad Street to Kimberly Ave. turn left on Kimberly Ave. go about 3 blocks and the park will be on your right hand side turn right into the park. We will be at shelter #1 by the playground equipment.

12:00 NOON to ???????

CORN and SODA WILL BE PROVIDED BY THE CLUB.

JUST BRING A LAWN CHAIR, DISH TO SHARE , MEAT TO GRILL, and all the fixins (ketchup, mustard, salt, pepper, plates, utensils, etc...)

WELCOME to the **FCARC**

Our newest members:

**Greg Ramlow KB9SZP
Bill Niemuth KB9ENO
Andy Nemecek KB9ALN
Dan Vanevenhoven N9LVS
David Kalmoe WA0TLN**

Renewals:

**Greg Schnieder W9IEI
Judy Schnieder N9PBM
Richard Kosiorek W9RIC
Judy Kosiorek N9JLQ**

SB QST @ ARL \$ARLB028

ARRL Petitions for New 60-Meter Amateur Band

A petition filed this week by the ARRL could result in a new high-frequency band for US amateurs. The ARRL has asked the FCC to allocate 5.250 to 5.400 MHz to the Amateur Service on a domestic (US-only), secondary basis.

The League told the FCC that the new band would aid emergency communication activities by filling a "propagation gap" between 80 and 40 meters. "There are times on certain paths when a frequency in the 80-meter band is too low, and a frequency in the 40-meter band is too high for reliable ionospheric propagation," the ARRL said in its petition. The ARRL said the propagation gap can hamper communication between the US and the Caribbean during a hurricane or severe weather emergency.

The ARRL Board of Directors approved the proposal at its July 20-21 meeting. The FCC has not yet invited public comments on the petition. Even if the petition finds favor with the FCC, it's likely to be several years before the new band actually becomes available.

As proposed by the ARRL, amateurs General class and higher would be permitted to operate phone, data, image and RTTY on the new band running maximum authorized power. No mode-specific subbands were proposed.

The ARRL said a new 150-kHz allocation at 5 MHz also could relieve substantial overcrowding that periodically occurs on 80 and 40. If the new band is approved, hams would have to avoid interfering with--and accept interference from--current occupants of the spectrum, as they already do on 30 meters. The band 5.250 to 5.450 MHz now is allocated to Fixed and Mobile services on a co-primary basis in all three ITU regions.

The ARRL's petition cites the success of the League's WA2XSY experimental operation in the 60-meter band, carried out since 1999, which confirmed the communication reliability of 60 meters.

"An amateur allocation in this band would improve the Amateur Service's already exemplary record of providing emergency communications during natural disasters when even modern communications systems typically fail," the ARRL concluded.

A copy of the ARRL petition is available on the ARRL Web site,
<http://www.arrl.org/announce/regulatory/5MHz>

APRS Meets Many needs in and around Wausau

By Kim Kunze, N9SDL, and Mike Martens, KB9VBR

What's all this excitement about APRS? Well, different things about APRS excite everybody differently. To one it might be a reason to buy a new rig. To another it is a good reason to resurrect some equipment that has been on the shelf collecting dust. To me it was the impressive sight to watch a Ham friend of mine track across my computer screen on a street level map and actually track him into the city parking lot where he parked his car in addition to all of the above.

APRS or the Amateur Position Reporting System has seen increased activity in the Wausau and surrounding area. As we got started, we used the local repeater while testing and setting up our computers and the software. We also used the repeater to talk to the hams that we were tracking on our computer screens. This did a lot to spark interest in other hams, as I'm sure they were wondering what the heck these guys are talking about. How are they seeing the speed and direction of the mobile unit? What is all of this talk about Wide coverage digis, unproto paths, unconnected packets, mobile units with TNCs built in, sending GPS information to other stations and on and on. We were having a good time and the other guys knew it!

The following best describes APRS, the Automated Position Reporting System. It [APRS] is a tactical information network that sends position information and short messages over the airwaves. This information can be displayed in real time on a map using the appropriate computer software. APRS is a one to many protocol, so the information is received by all users capable of receiving it. APRS is an excellent protocol for sharing location and short message information during public service events, storm spotting, or EOC operations. So how did we get started? It took the excitement of a relatively new ham, Mike Martens (KB9VBR) to keep mentioning the new modes such as PSK31 and ultimately APRS. Mike knew quite a bit about it and we followed his lead. We found a lot of good information on the web sites of hams in southeastern Wisconsin and Northern Illinois where they had elaborate networks already up and running. We asked questions of those that were experienced and determined that if we were to have a successful APRS network in the central Wisconsin area we needed to form an APRS Steering committee.

The purpose of the APRS steering committee is to basically design, implement and maintain a network of APRS home and mobile stations. To insure that those interested in operating APRS were guided as to the correct way to set up a station so as to keep QRM to a minimum on the single simplex frequency. To offer assistance in setting up the computer software and TNCs that may at one time been used strictly for packet now are going to be used a little differently to allow APRS data to flow to the computer screen.

The group started meeting on a regular basis and we invited any and all hams to come and learn more about APRS. We started an email discussion list and a web page to share information, and we put all the APRS software we could find on some CDRs so that others could easily install the software.

The Wisconsin Valley Radio Association (WVRA) used it for Badger State Winter Games and Wisconsin Special Olympics Winter Games. Several Hams had HTs and GPS units out on the Cross Country Ski course and were transmitting their locations to the command center where they appeared on the computer screen. This allowed the computer operator to visually determine where on the course the last skier was located. The same principal can be applied to parades where hams with APRS units are located at the beginning and end of the parade. We are planning to use it for storm spotting where we can use current weather maps to position APRS tracker units in the most strategic position to monitor the severity of the approaching storm.

We will be using APRS this year for Dream Flight Wausau: the Space and Science Program in the Wausau School District. The focal point of the program is a specially outfitted school bus modified to look like a NASA space shuttle. The WVRA provides amateur radio voice and packet communications between mission control, the schools, and shuttle. The fifth graders in the program that take on Mission Control roles will also be able to monitor the location of the space shuttle, named Apollo Condor, via APRS as it travels from school to school during the program.

The really exciting thing about this is that we will have an Internet Gateway in Wausau that will allow the transmitted location packets for the Shuttle to be relayed to an APRS server on the Internet. Anyone that has Internet access will be able to monitor the location of the Shuttle from his or her office, classroom or home. Hams across the world, knowing the call sign of the Shuttle, via the Internet could send simple APRS text messages to the Amateur operator on the Shuttle. Are we excited? You bet!

APRS is a fusion of amateur radio, Internet, and GPS technology. We've attracted quite a few Tech class hams that have otherwise fallen away from the hobby. APRS is an exciting mode for younger, active hams that like to go outdoors or travel with their GPS units. Local law enforcement agencies are also very interested in the capabilities of APRS for EOC and storm spotting applications. There's more to tell and more to learn. All you need to be part of the excitement is a 2 meter transceiver, a 1200 baud tnc and a 486 or better computer.

How to Get APRS up and running in your area

APRS is very well served in the Southern and Southeastern part of Wisconsin, but the rest of the state has a general lack of coverage. Anybody with a packet radio equipment can run APRS with the addition of some software. Here are some tips to get started.

1. Get the ARRL book *APRS Tracks, Maps and Mobiles* by Stan Horzepa, W1LOU. This is the best getting started guide there is. It has lots of information on the software available and setting up a station.
2. If you have an unused packet station, turn it into an APRS relay station. Since APRS is an unconnected protocol, relays and digipeaters are necessary to propagate the packets.
3. Do an APRS presentation at your club meeting. Several Powerpoint presentations are available on the web for your use, or contact an APRS user to do a presentation for you.
4. Use your local repeater to discuss APRS and to invite more hams to use the mode.
5. Join APRS discussion lists on the Internet such as APRSSIG at www.tapr.org or the WVRA's APRS list <http://wvraaprs.listbot.com>. The members of these lists are more than willing to answer your questions.
6. Create an APRS steering committee for your area. Have regular meetings and invite anyone interested to come and discuss the mode with others.



*Fox Cities Amateur Radio Club W9ZL
Invites everyone and anyone to check in at the HAMDINGER NET*

*145.330/R 100hz PL
Wednesday evenings at 7:30pm*

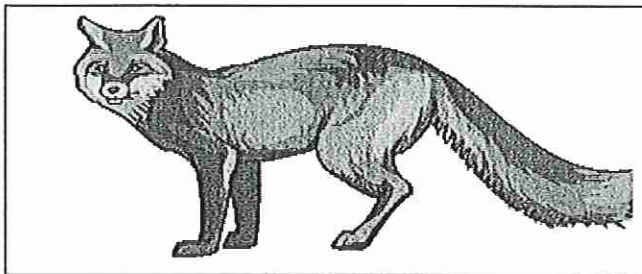
*Everyone is Welcome to check in!
And
It is an open forum anything can be discussed.*



The old fox will be taking a rest for awhile during these summer months ,

FCARC AUCTION

Get ready for the FCARC auction the next meeting in September will be the big auction. Start thinking about what you can part.



but look out come this fall.

Board Meeting Topics Discussed

At the July board meeting, the following was discussed.

OLD BUSINESS:

- Brian KB9LRD has created a mock up of a post card to be used for a mass mailing to all hams in the Fox Valley area. To try and generate more hams interest in the FCARC.
- Received a letter back from the insurance company defining club functions and the coverage. The letter indicated to make sure participants in club functions be club members.
- Club license renewal – Jon AB9AH needs to get the signature of Larry W9ZL for the form.

NEW BUSINESS:

- Steve N9SGG will be bringing the big grill, picking up the corn and soda for the club corn roast. He has also taken on the title of the GRILL MASTER for the corn roast.
- There have not been any volunteers for program director as of yet.
- The QSO'er will be announced that it is available in electronic form for FCARC members. A mass mailing email will be sent out to members when the QSO'er is published on the website. We will be doing a 3 month trial of both hard copy and electronic. At the end of the 3 month the members will be polled at the club meeting as to which direction we can go. Our intent is to cut cost and labor of the production of the QSO'er.
- The copies of the QSO'er that have been placed at the local Radio Shacks will be replaced with the FCARC brochures when it is completed. They will be displayed at the Radio Shacks in racks located by the license testing books.
- Jon AB9AH will put together a report from the EAA operations.
- It was requested to see if Bill Niemuth could submit an article on the Extreme Race ARES event.
- Web page will contain a list of silent keys. The list will be compiled from off the club plaque.
- Ham of the Year will be on the web page. A picture will be included with the current ham of the year.
- A committee will be formed for selecting the next Ham of the Year. The previous ham of the year will chair the committee. Nominees will be made aware of the responsibilities.
- At the September FCARC meeting a vote will be brought before the members regarding the club trustee. It was suggested that a new call sign be chosen from a ham that is currently a member. If changed the new volunteer will need to hold an extra class license.
- FCARC was asked to help out at an Outagamie ARES event held up north. There were several that did volunteer and the communications for the event was very successful.
- It was brought up that the FCARC should make it better known of the communications that can be offered to help with community events.
- Pat K9IK still has the wood ramps used for the hamfests. He would like someone else to take them for storage he no longer has the room for them. It was suggested the swapfest chair person be responsible for them.
- Was decided that the agenda Brian KB9LRD has put together will work and be used in the future for meetings.
- Was suggested the agenda for the upcoming meetings be published in the QSO'er for those that are unable to attend.
- Club expenses were discussed how to handle those that are incurred for events. It was decided that a pre-approval form will be created by Dave N9ZHZ the treasurer and this form will need to be presented to the board for approval and the signature of the club treasurer must be on it. The board will discuss at the next board meeting in more detail. The board will come up with a dollar amount and above that would need this type of pre-approval. It was noted that currently in the bylaws the proper procedure is to get board approval for any expenses.
- Brian KB9LRD has volunteered to head up the bylaws committee.
- Changes can be made to the club website by any club member who wishes to volunteer helping to keep the site current. The member needs to obtain a sign in and password from Steve N9SGG.
- The web page will have a secured page for the board members use.

Many articles have been written on how to build amateur radio equipment, how to put up an antenna, how to this, how to that. But few, if any, have been written on understanding the amateur radio operators themselves. So I thought that I would undertake this task.

There are many advantages of having a hobby of amateur radio. They are (1) educational, from the stand point of gaining technical knowledge regarding radio; (2) social, from the stand point of family picnics, dinners or a night out with the boys and (3) civic minded -just take the case of hurricane Camille and others.

However, with all the good qualities; there are some idiosyncrasies involved with the world of hamdom which I am sure most wives of hams will recognize as I set them out. Before I start, I realize there are many female ham operators, and to these, I give a hearty "Bravo!" But this article is specifically written for the rest of us females who are really not so inclined as to take up ham radio as a hobby.

Having been married to an amateur radio operator for about eight years, I feel qualified as something of an "expert" on the subject. I remember how excited my OM was when he installed his first radio in the car and how he wanted me to speak into the microphone to the unseen body at the other end. He was the only one who seemed to hear a voice. All I heard was some type of mumbling and static at the other end. Later, it was explained to me in much detail, as to how the radio needed to be "tinkered with" and then it was really going to be something. This should have been my first clue -the idea of "tinkering ..." If your husband is a true ham, as mine seems to be then you know exactly what I mean. They are forever tinkering with something, working ever so hard to get something right, only to trade it for something that doesn't work quite well -and so the cycle continues. An interesting thing to note: If this breed of ham does buy a new piece of gear, nine times out of nine he has to modify it.

My OM's shack first began in our card table, along with the entire lower portion or a sliding cabinet in the living room. It has now grown to one bedroom filled with test gear, radios, etc., and one entire wall of the garage. But I really don't mind because my OM has "seen the light" in the reasoning of keeping things neat. We have plastic shoe boxes and plastic cabinets filled with things and stuff. I spoke before of test gear, and I would like to expound on that subject a bit. One day I ventured into the shack and found my OM working on a piece of gear with schematics all around. Upon asking what he was doing, I got the reply that he was building a piece of test gear (let's call the piece of gear "A") so that he could test another piece of gear that he was working on (let's call it "B"). It seems that in the middle of building "B", he ran into a snag and had no way of testing it so he had to stop building "B" and start building "A". SO he could test "B". At which time, I patted him on the head and left the room before the unknown "C" came into the picture.

A true ham has the instincts of a pack rat. No doubt you know that a pack rat collects shining objects with which to feather his nest. A ham also collects shining objects to feather his shack with, such as transistors, resistors -and the list is endless. A Playboy calendar might also be found in the shack from time to time. And of course, there are the boxes, and shelves of transformers which weigh a ton, or seem to.

There is one saving feature: auctions. An auction is an occasion when an item is finally sold, much to the pleasure of the wife, but somehow or other the ham feels he has to come home with some goody, thus continuing the cycle. I remember my first auction; it was held before we were married, and went to it as a Friday night date. When I heard my husband-to-be was taking me to an auction, I thought how nice and was looking forward to it. (I thought it was going to be a real auction -you know, the kind with antiques, furniture, etc.) Anyway, when we arrived at the auction, I do not think I have to tell you what I saw - anything but antiques as I know them.

I have been tempted to get into ham radio several times, but just as I am getting enthusiastic, "we" get another piece of gear, and somehow my enthusiasm wanes, and I go back to sewing and cooking.

By no means do I mean to belittle the amateur radio world. As I said at the outset, it is a worthwhile hobby. But to the YIs and the XYLs of amateur radio operators, I just wanted to say that I am with you and please treat your amateur radio operator kindly and realize that his little idiosyncrasies are not his alone.

Even if you don't aspire to become a dyed-in-the-silk ham-type XYL, you can become a "quasi" ham by assimilation. You do this by learning his language. Here are a few of the trickier terms:

Hamshack: Not to be confused with the tool shack. The hamshack is usually resplendent with radio gear, most of which is in various stages of modification or repair.

Gear: Not to be confused with a gear in a car or watch. Gear in this case means anything having to do with radio equipment, from the tiniest part to the biggest tower.

Ham: Not to be confused with the meat. This is of the two-legged variety and should be given encouragement if he looks puzzled.

Auction: When this word is mentioned by a ham, it means an auction where absolutely worthless radio gear is sold.

OM: Name given to a male type person who is involved with amateur radio.

XYL-YL: Name given to a female type person who is either married or not married to an OM.

Modify: Usually means, according to Webster's:"To change somewhat to form of qualities of."However, in ham language, it means to change beyond all recognition.

Tinkering: The beginning stages of modification.

Static: Secret code that only a true ham can communicate with **Goody:** Something usually without worth, bought at an auction.

FCARC ROSTER - AUGUST 2001

N9ECS	RALPH	BALLINGER	1019 E. JARDIN	APPLETON	WI 54911
WBORAG	DAVE	BECK	1755 N. RACINE ST.	APPLETON	WI 54911
KB9GYM	KAREN	BECK	1755 N. RACINE ST.	APPLETON	WI 54911
KA9JOL	JACK	BIGELOW	582 LINDA CT	KAUKAUNA	WI 54130
WD9CYW	HELEN	BORREE	1365 LUCERNE DR. #11	MENASHA	WI 54952
W9MDP	GEORGE	CROY	2113 W. TWIN WILLOWS DR.	APPLETON	WI 54915
KB9GI	FRANK	EGGERT	3600 WOODMAN DR #314	APPLETON	WI 54914
N9RJZ	JOHN	ENSLEY	335 W. PROSPECT AVE.	APPLETON	WI 54911
N9OEQ	CHUCK	HANSON	N254 PINECREST BLVD.	APPLETON	WI 54915
N9VVB	DEBBIE	HANSON	N254 PINECREST BLVD.	APPLETON	WI 54915
KF9CS	MARK	HEIMMERMAN	1523 E. MOONBEAM TR	APPLETON	WI 54915
KB9QWC	AARON	HEISE	N7018 THOMA RD.	NEW LONDON	WI 54961
WB9BBI	MYRON	JACKSON	430 S. CHRISTINE	APPLETON	WI 54915
KB9TLM	ERICK	JENSEN	825 S. SUMMIT ST.	APPLETON	WI 54914
WA0TLN	DAVID	KALMOE	306 N. APPLETON ST.	APPLETON	WI 54911
ND9Z	GARY	KEATING	1000 W. WISCONSIN AVE	KAUKAUNA	WI 54130
N9FZL	CATHY	KEATING	1000 W. WISCONSIN AVE	KAUKAUNA	WI 54130
W9RIC	RICHARD	KOSIOREK	W5631 MICHELLE WAY	APPLETON	WI 54915
N9JLQ	JUDY	KOSIOREK	W5631 MICHELLE WAY	APPLETON	WI 54915
N9SGG	STEVE	LAMERS	615 1/2 WINNEBAGO ST.	APPLETON	WI 54911
KA9WCF	TERI	LARKEE	771 FIELDCREST DR	NEENAH	WI 54956
N9LT	FRANK J.	LIVERMORE	N1268 RIVER DR.	GREENVILLE	WI 54942
KB9LRD	BRIAN	LONG	500 N. WHITE OAK DR.	APPLETON	WI 54915
KA9LAR	LESTER & MARY	MORSE	W8979 SCHOOL ROAD	HORTONVILLE	WI 54944
KB9ALN	ANDY	NEMEC	453 Cottage Grove Ave.	GREEN BAY	WI 54304
AB9AH	JON	OLDENBURG	718 S. WEIMAR ST	APPLETON	WI 54915
KB9PKW	ED	PAUSIG	8739 N. OAKWOOD DR.	NEENAH	WI 54956
KB9VQV	LEAH	PAUSIG	8739 N. OAKWOOD DR.	NEENAH	WI 54956
KB9OAL	STEVE	PELLETIER	9690 GOLDEN WAY	APPLETON	WI 54915
WD9FLJ	WAYNE	PENNINGS	913 N. MASON ST.	APPLETON	WI 54915
KF6HCG	DOMINICK	PIEKARCZYK	W10720 SASSE RD.	NEW LONDON	WI 54961
KE6IFC	STANLEY	PIEKARCZYK	W10720 SASSE RD.	NEW LONDON	WI 54961
W9ZC	ROBERT	PRATT	1742 WENDY WAY	NEENAH	WI 54956
WA9GON	GERRY	RADTKE	1318 W. HOMESTEAD	APPLETON	WI 54914
K9ZZ	JAMES	ROMELFANGER	412 1/2 ASH STREET	BARABOO	WI 53913
W9IEI	GREG	SCHNEIDER	1312 S. LAWE ST.	APPLETON	WI 54915
N9PBM	JUDY	SCHNEIDER	1312 S. LAWE ST.	APPLETON	WI 54915
W9ER	JOE	SIENKIEWICZ	2675 WESTMOOR RD.	OSHKOSH	WI 54904
NQ9F	HARLAN	SIETH	N5360 STATE RD.	BLACK CREEK	WI 54106
N9ZHZ	DAVID	SPRANGERS	820 JEFFERSON ST.	MENASHA	WI 54952
WB9ZNA	KAREN	THORNE	8759 CLAYTON AVE.	NEENAH	WI 54956
KB9BYQ	ALAN	VANDYNHOVEN	615 W. WINNEBAGO STREET	APPLETON	WI 54911
	JUDY	VANDYNHOVEN	615 W. WINNEBAGO STREET	APPLETON	WI 54911
N9TNW	WILLIAM	VINCENT	1109 W. 4TH ST.	KIMBERLY	WI 54136

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your ad on this page.
Please contact any of the
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find out how.***

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Richard Sonnenberg 675 East Edgewood Dr.
Appleton WI 54913 W9UVZ@tpo.org

920-733-0609

***NOTE: The newsletters are photo copied by Brian Long KB9LRD on paper donated by Glatfelter Company.**

QSO'er
FCARC-W9ZL
P.O. Box 5233
Appleton, WI 54912-5233

FOX CITIES AMATEUR RADIO CLUB

NAME _____ **DATE** _____

ADDRESS _____

CITY _____ **STATE** _____ **ZIP** _____

PHONE _____ **CALL SIGN** _____ **CLASS** _____

E-MAIL ADDRESS _____

Membership dues for one year:

Full - \$15.00

Associate(non ham) \$15.00

Student - \$10.00

Retired - \$10.00

Family - \$20.00

Please make checks payable to FCARC

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