



FOND DU LAC AMATEUR RADIO CLUB

— FDL 73 —

MARCH 2023

WWW.FDLHAMS.COM



Join us on Sunday evenings for our weekly Net - 7:30 PM on 145.430 MHz - Tone 97.4 Hz

And on our 10 meter Net on Sunday's at 6:15 PM 28.450 / Chat on Thursday's at 8:00 PM 28.360

2023 Club Officers

President: Bob Burrier N2TSQ
Vice-President: Joe Scheibinger K9VY
Secretary: Tom Powell KC9VXR
Treasurer: Doug Schultz N9EZF
Sgt-at-Arms: Paul Bleuel KC9NAA
Board Member: Justin Buell KB9YET
Board Member: Bill Kieckbusch KG9IO
Board member: Phil Schmahl W9MW

Committee Chairs

Contesting: Jack Heil KG9IN
Education: Jack Heil KG9IN
Scholarship: Jack Heil KG9IN
Field Day: Jack Heil KG9IN
Parades / Trailer: Justin Buell KB9YET
Net Manager: Doug Schultz N9EZF
Newsletter: Doug Schultz N9EZF
Newsletter layout: Joe Scheibinger K9VY
Public Service: Ed Beltz N9PJQ
Publicity/Program: Joe Scheibinger K9VY
Repeater: Lloyd Vandervort N9RPU
Testing: Doug Schultz N9EZF
Truck & Trailer: Ron Keller KC9YVL
Trailer Design: Justin Buell KB9YET
TVI: Lloyd Vandervort N9RPU
Web Site: Tim Braun W9AAV
Christmas Party: Paul Bleuel KC9NAA

Each committee has several members. If you are interested in serving on a committee, please contact the chairperson and volunteer your services.

FARC Volunteer Examiners

Managing VE - Doug Schultz N9EZF
Jack Heil KG9IN - Dick Finn KC9ZVW
Joe Scheibinger K9VY - Wally Meyer K9WKM
Paul Tvrdy N9KLK - Tom Powell KC9VXR
Pete Leonard AA9UU - Bill Kieckbusch KG9IO
Phil Schmahl W9MW

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Please email Editor Doug Schultz N9EZF
schultz74@charter.net

FARC FDL 73 Newsletter
design and concept
by Dick Finn KC9ZVW

THE PRESIDENTS CORNER

By: Bob Burrier N2TSQ



Thanks to everyone who attended the February meeting, participated in the weekly nets, or are working on our club projects. Your participation is critically important and appreciated. At the meeting there was an informative presentation on ARES by Stan, K9STN and it was also clear that we have transitioned from planning our year to action on many projects. For example, there are multiple efforts ongoing to bolster membership, construction of the "go-box" for portable HF activations is underway, as well as discussions on the trailer build-out and other topics were held.

The Wisconsin QSO party is approaching, a long-standing club activity. Please make sure to see the article in this newsletter that addressed this. Let's see if we can't lead the state as the club has done in prior years.

From the N2TSQ shack this month, I passed the milestone of accumulating 20,000 QSOs over the past 8 years. It provided an opportunity to look back as see where my activity has been and to look at the confirmation rates by LOTW and EQSL. In the table below, it is no surprise that FT8 is my favorite mode, however I also accumulated a good number of SSB and CW QSOs. LOTW confirmation is highest for the digital modes and the EQSL rates are far lower. Does your log provide similar data? I look forward to seeing you all at the meeting.

Distribution of QSOs logged by radio mode and percent verified in LOTW and EQSL since 2015 by N2TSQ.

	Total	SSB	CW	FT8	FT4
QSOs	20049	4199	630	14741	477
LOTW	72%	48%	47%	80%	78%
EQSL	45%	23%	16%	52%	50%

Lloyd (N9RPU) will be leading a discussion on hunting DX by computer. Please come prepared with an idea or two to share for future meeting discussions, activities you are interested to participate in, or perhaps bring a friend who might want to get bitten by the HAM bug.

73, Bob

NEXT MEETING - Monday, March 13, 2023

Where: Moraine Park Technical College
235 N National Ave, Fond du Lac, WI
Meeting Starts at 7:00 PM Room B-124



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WHAT'S INSIDE?

ENTERTAINMENT DX Spotting

President's Corner by Bob Burrier

Meeting Location Room B-124

Meet Tim Brusky N2TIM

Dues Are Due For 2023

DX Spotting with Lloyd Vandervort

QSO Party with Dave McCumber

Eclipse Ionospheric Science

ARES / RACES

NEW 23 in 23 Membership Drive

Secretary's Report

Treasurers Report

Heritage Page

Upcoming Events

Classified Page

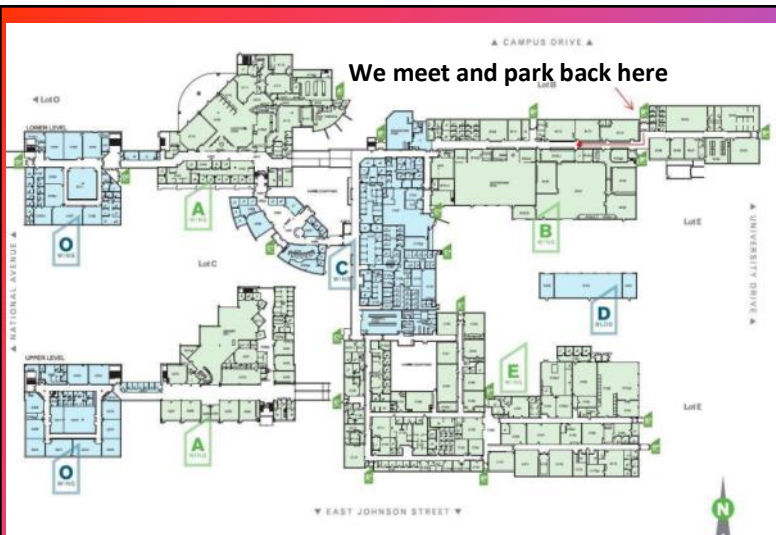
Huge Testing Success

FARC Downloads

NASCAR Scanning

Membership Roster by Last Name

Membership Application To Print Out



Moraine Park Meeting Room B-124

We will be meeting in our new location for our meetings. Drive to the north side of the building so you can park next to our new meeting room. There is ample parking and it's a short walk to the room. Look for B-124.



OFFICIAL FARC GOODY TABLE SET UP

Back when we were meeting before Covid, we always had a table set up where you could select from some amazing things that other Ham radio operators would bring in to share. Piles of magazines, books, and even some hardware was brought in to borrow and give away. So it's time to clean out the radio shack of the accumulated stuff you don't want any more over the year of the pandemic. If you have old ham magazines, this is a great way to help distribute knowledge of

our great hobby! Take them home and when you are done reading them bring them back next month and put them on the table for the next ham! And if you have anything to sell, bring it and attach a note to it showing how much you want for the item and who you are. **Older magazines are always welcome!**

Hey FARC!
How are we doing ?

Publication Corrections and Distribution

The "FDL 73" newsletter is compiled and distributed by the members of the Fond du Lac Amateur Radio Club. It is distributed by E-mail free of charge to all its members. Members are encouraged to send copies freely to other Ham Radio enthusiasts, electronic hobbyists, and friends. The newsletter is the heartbeat of the club and members are encouraged to participate by lending stories, experiences, and expertise. Deadline for submission is 10 days before the next advertised meeting. For corrections and submissions please send them to backstagelive@gmail.com.



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MEET

TIM BRUSKY N2TIM



Tim started in radio in 1988 when he was still in high school in Mosinee, WI and didn't know much about the hobby. He said the cheapest thing to get into at the time was CB citizen's band. Tim had cheap CB magnet mount antenna on the car and ran the coax back to the house. He ran the CB rig off a battery in the house.

Tim's very first contact was Paul 669 who also lived in Mosinee. After the conversation Paul and Tim became close friends. Paul suggested to me I should call this guy named Midnight Madness (Mark), so I did, and he got me hooked with an Antron A-99 vertical antenna. It worked great going from a mobile magnet mount antenna to a base antenna. It was a dream. Tim could talk to people from all over the area in: Wausau, Steven's Point, Antigo, and Marathon City. This is Wisconsin, and Tim met a lot of nice people.

One of the special people that Tim met was Fireplace (Dennis McMallam), and Tim misses him a lot. Tim went over to Dennis's house and did a lot together including going to ham fests as well as talking about getting their Novice licenses. Dennis had a charter business that drove people around. Dennis and Tim were going to study for the Novice class license in 1992.

Dennis came down with cancer, and it spread to his left eye and he couldn't see very well. Dennis did attend Tim's 1993 graduation ceremony which was special to Tim. In 1994 Dennis got very sick with a brain tumor and died in 1994. Tim will forever miss Dennis and Tim sold all of his CB radio equipment after Dennis died. Tim couldn't see himself talking on the radio again since they were going to both the Novice exam together.

Then in the Spring 2004 Tim decided to get back on the radio and he bought a Yaesu FT-757GXII. Tim knew somewhat about antennas and he put up a slinky antenna in the attic of the house of Wausau. It worked OK but he had some help from Mark who built a 11 meter 1/2 wave antenna and a 75 meter antenna. Then Tim moved back to Mosinee.

He sold his Yaesu FT-757GXII to Mark and bought his favorite radio a Yaesu FT-847. Tim thought to himself that Dennis and he had made a promise to get their Novice license, so he bought a Gordon West study guide for the Novice license exam. Tim took the Novice license exam on Jan. 15, 2005 and passed it. It is one goal that I had back in 1992 and he accomplished it. If Dennis was around today he would be very happy for Tim. Without him I wouldn't be the person I am today.

Tim's setup in Wausau was a Yaesu FT-847 with an external tuner Dalwa CNA-2002 which covered 80-10 meters and he had a 3 element homemade 2 meter beam as well as a 75 meter wire antenna. He also had a 6 element 11 meter antenna along with an MFJ sound card interface. Tim moved from Wausau, WI to California in 2006 and lived there until 2014 when he moved back to Wisconsin.

Continued.....



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Tim has lived in Fond du Lac now for about two years. Tim took and passed the General exam in July, 2022. After he passed his General license he applied for a Vanity callsign and he took the N2TIM callsign since it was available. His shack has a Yaesu Ft-847 along with the external antenna tuner and a low dipole at 20 feet. On the VHF/UHF side he has Yaesu FTM400XDR transceiver and a Ed Fong VHF/UHF vertical. He would like to put up doublet HF at decent height to improve his HF capabilities this spring. Tim, thank you for being a member of the Fond du Lac Amateur Radio Club.

Doug Schultz



THANK YOU FOR BEING A MEMBER - DUES ARE DUE

Dues are \$15 for individuals, \$7.50 for students and family memberships are \$20. You can pay Doug Schultz at any meeting. Sign up a new or expired member that has been away for more than a year and you will get your dues FREE of charge with the "23 in 23" incentive program. Send your dues or application (attached in newsletter) to:

**Doug Schultz N9EZF
Fond du Lac Amateur Radio Club,
P.O. Box 53,
Fond du Lac, WI 54936**



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ENTERTAINMENT

DX SPOTTING & CLUSTERS WITH LLOYD VANDERVORT N9RPU

It's always exciting when you have live entertainment for a ham radio meeting. It's even more exciting when you have the presentation done by one of the most respected Hams in the club! There are so many aspects of Ham Radio that most license holders don't know about. And one of these will be discussed at the march meeting.

Lloyd Vandervort N9RPU will be our guest at the March meeting discussing the many aspects of DX spotting, DX clusters, DXpeditions, and PSK spotting. Lloyd has just received a certificate from ARRL celebrating that he has been a Ham Radio operator for the last 25 years. But it goes back even farther! Lloyd received his license in 1958! If you are not familiar with Lloyd, he is the man that keeps all of our radios operating at 100%. If you have any trouble with any aspect of ham Radio from rigs to FT-8, Lloyd is the man to call.

See you at the March meeting!



HAM RADIO DELUXE SOFTWARE
The Radio Amateur's Best Asset

Introduction and Brief History to DX Clusters (from Ham Radio Deluxe Newsletter)

The purpose of a DX cluster is to alert interested hams (DXers) that there's a DX station on-the-air.

Before there were DX cluster nodes available, hams alerted each other by using a technique called "the two-ringer." When this was used, a ham would call his buddy and hang up on the second ring. This alerted the buddy that there was DX on-the-air. But what? And where? A few hams in the area would begin to gather on a local VHF repeater or simplex frequency and this is where the information was provided. "Hey guys, I just worked King Hussein, JY1, on 14.175 MHz!"

I'm pausing for a moment to point something out. That is – this information has now been shared with how many hams? Three? Five? Maybe ten? Top end, fifteen?

Eventually, software was created that allowed hams to connect over a VHF frequency. The connection was a telnet connection. Now, the number of connected stations began to increase. Now, several dozen hams in a local area could connect and share DX information. The "two-ringer" was gone.

Soon, the software was capable of connecting to other (peer) nodes over the Internet. At first, some hams resisted this. "The Internet is not ham radio." (Neither was the telephone connection used for the "two-ringer.") But now, spots were propagated between DX cluster nodes. Information was now shared between hundreds of hams. Once broadband Internet service became widely available, it was no longer necessary to use VHF for the connections. Now, hams could connect over a telnet connection over the Internet. Now, information could be shared between thousands of hams. This is accomplished when DX cluster "nodes" are connected together as "peers" across the Internet.



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DX Cluster node software developed into the three most popular types – AR Cluster was the early favorite. Later came DX Spider and CC Cluster. While each type had some minor differences, standards developed that enabled spots to be propagated between them. For connected hams, there's not a great deal of difference in the node software itself. Other considerations are more important.

Coverage Area

Through all of this, one thing is clear. That is – the more hams that are sharing DX information, the better. Someone recently said, "When I submit a spot, I don't see it on my favorite Internet site. Why?" This ham received a response that said, "Your spots are only displayed on the node you're connected to." In most cases, this is not true. In fact, if it were true, then it would defeat the purpose of all the advancements I referenced in the introduction about expanding the coverage area of the DX cluster system. Right?

Still, there are a couple valid reasons why a spot sent on a given DX cluster node would not be seen on systems on the Internet. One – the system could be filtering spots such that they were prevented from propagating outbound. Likewise, an Internet system that displays spots could be filtering spots inbound. And two – the DX cluster node that the spots are being sent from are not connected to any peer nodes.

The latter is an important point to consider. That is – if you're connecting to a DX cluster node that is not connected to any other cluster nodes, then it's no different than the original VHF cluster systems that only propagated spots to local connected stations. It's only slightly better than "the two-ringer."

I hear hams say, "I connect to my buddy's DX cluster node." Okay, wonderful. How many peer nodes is he connected to? How many users connect locally? How many are connected across the system? Is his DX cluster node running on a server that employs high-availability methods to make sure that it's always available?

Does it matter? Absolutely! If you're connecting to a DX cluster node that is not connected to other peer nodes, then you won't receive spots from outside that node and no one will see the spots you're sending.

Coverage area of the DX cluster system you connect to is the PRIMARY concern. The secondary concern is availability. Some hams tell me, "I have no idea what DX cluster to connect to. So, I randomly connect to various clusters to see what spots other clusters have to offer."

Okay. This is only necessary if either (a) you're connecting to clusters that are not connected to many peer nodes or (b) you have no idea how all this works.



NEXT 2023 EXAM DATE IS APRIL 15TH

The Fond du Lac Amateur Radio Club Volunteer Examiners have scheduled another testing date, April 15th, for 2023. Everyone taking amateur exams is required to get a FRN from the FCC website to put on their FCC application as well as provide a photo ID. I have a suggestion for people taking the Technician exam to also study for the General exam since if you pass the Tech. exam on the first try you can take the General exam for free. Cost of the exam is \$15. Preregistering is encouraged, but walk-ins are allowed at the exams. To pre-register for any of the exam sessions call Doug Schultz at 920-922-3088 or via email at: schultz74@charter.net.



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DAVE MCCUMBER
N9WQ



At our last meeting in February, Dave McCumber gave a great presentation on the Wisconsin QSO party. Full of great information, Dave's "call to arms" moment inspired everyone, especially when you consider the past history of the FARC, when we were #1 in contesting. Could that happen again in 2023?

Many of the members, including myself, were talking about this after the meeting. In my case, it will be my very first full day of personal contesting other than helping with Field Day. So here is the information you will need and everyone have great luck and a good time! *Joe Scheibinger*

Wisconsin Field Day YouTube to watch: <https://www.youtube.com/watch?v=28WIPweE2Ao>

West Allis Radio Club QSO Rules and Regulations: <https://www.warac.org/wqp/wqp.htm>

Wisconsin QSO Party sponsored by the West Allis Radio Amateur Club and it will be held on March 12, 2023 from 1:00 PM CDT until 8:00 PM. This is a fun 7 hour contest that a number of club members participate in.

The primary modes are SSB and CW but this year they are adding a couple of digital modes. WARAC has published the rules for the Wisconsin QSO party on their website which is www.warac.org. Mobile and portables maybe worked once per mode per Wisconsin county that they operate from. The exchange for the contest is Wisconsin send their county and non-Wisconsin stations send their State, Province or Country. All amateur bands not prohibited for contesting may be used. No repeater QSO's can be used for the contest.

(Rules listed on the next page)



23 IN 23 MEMBERSHIP DRIVE WITH PHIL SCHMAHL W9MW

Our new postcards are designed and off to the printers! We may have these finished by the march meeting. If we do, we will have the list of local Hams available for a post card writing session after the meeting! Our goal is 23 brand new Ham radio members for this year, which by the looks of the testing turnout, will be a pretty easy goal!





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DATE/TIME	March 12, 2023 from 1800Z to 0100Z March 13 (1:00PM CDT to 8:00PM CDT on March 12) <i>Note: First day of Daylight Saving Time!</i>		
MODES	CW, Phone and Digital (RTTY, PSK, Olivia, Feld-Hell). FT8/FT4 QSO's are not accepted. All stations may be worked once per mode on each band. Cannot work the same station on more than one Digital mode on the same band.		
MOBILE and PORTABLE OPERATION	Mobiles and portables may be worked once per mode per Wisconsin county that they operate from. Mobiles or portables may not sit on a county line. Drivers may navigate and drive – any other assistance must be considered multi-op.		
SPOTTING	Spotting may be used. Self-spotting is allowed.		
REMOTE OPERATION	Stations operated remotely will be considered pre-existing Portables (not eligible for Bonus points). The transmitter location must be given as the sent exchange.		
ENTRY CATEGORIES	<ul style="list-style-type: none">• Single Operator Fixed (SOF)• Single Operator Mobile (SOM)• Single Operator Rookie (SOR)• Multi Operator Fixed (MOF)• Multi Operator Mobile (MOM)• Multi Xmtr/Multi Op Fixed (MMF)• Multi Xmtr/Multi Op Mobile (MMM)		
ROOKIE	The rules for the Rookie category are: <ul style="list-style-type: none">• No previous WIQP entry other than in the Rookie category• May enter this category no more than twice and entries must be in two consecutive years• Entries may be single operator only <i>To indicate this category on your log submission, please select Novice or Rookie on your entry form or logging program.</i>		
EXCHANGE	Wisconsin stations send County . Non-Wisconsin stations send State or Province or Country .		
BANDS	All amateur bands and modes not prohibited for contesting may be used. No Repeater QSO's.		
<i>Suggested frequencies</i>	<i>CW: 1.820, 3.550, 7.050, 14.050, 21.050, 28.050</i> <i>Phone: 1.870, 3.860, 7.230, 14.260, 21.350, 28.400</i> <i>VHF: 6 meters 50.140(SSB), 52.530(FM)</i> <i>2 meters 146.550</i> <i>1.25 meters 223.520</i> <i>70 cm 446.025</i> <i>Please do not use the National Calling Frequencies:</i> <i>52.525, 146.52, 223.50, 446.00, 906.50, 1294.50</i>		
POWER LEVEL	QRP less than 5 watts Power Mult = 2 Low 5 to 100 watts Power Mult = 1.5 High over 100 watts Power Mult = 1		
MULTIPLIERS	Wisconsin Stations: The sum of Wisconsin counties (max. 72), plus US states (max. 50) plus Canadian provinces (max. 13) worked. Wisconsin may be counted as a state multiplier. DX countries worked count for QSO points but not as multipliers. Non-Wisconsin Stations: The number of Wisconsin counties worked (max. 72). Only Wisconsin stations may be worked.		
BONUSES	Wisconsin Mobiles/Portables: Add 500 bonus points for each county that you operate from outside your home county. A minimum of 12 QSO's per county is required to qualify. Portable stations must be set up for WIQP; pre-existing station locations cannot be considered portables. W9FK: Add 100 points for each time you work W9FK on each band and mode below 50Mhz. (W9FK is the West Allis Club callsign).		
SCORING	Phone contacts count 1 point; CW and Digital contacts count 2 points. <ol style="list-style-type: none">1. Add CW, Phone and Digital points.2. Then multiply by Power Level multiplier.3. Then multiply by your multiplier count under MULTIPLIERS.4. Finally, add your bonus points.		
LOG SUBMISSION	Electronic logs are preferred - please submit your log in electronic format if at all possible. Printed computer logs will not be accepted. If your log is in a computer, please send it to us electronically. Handwritten logs will be accepted if they are 50 QSO's or less and are complete. To be complete, a log must contain the header information (see Entry Form) plus QSO data that includes time (UTC), call, band, mode, sent and received exchanges. Paper logs must be accompanied by an Entry Form . And, should you need it, here's in-depth information on our Cabrillo Log Format . No log changes will be accepted after the submission deadline. Decisions of the WIQP committee are final. Email to wqip-logs@warac.org Regular mail to: Wisconsin QSO Party West Allis Radio Amateur Club PO Box 511381 New Berlin, WI 53151 <i>We want your Log!</i> <i>Logs due March 26</i>		
AWARDS	Plaques will be awarded to the: <ul style="list-style-type: none">• *Highest Single Operator Fixed (SOF) score in Wisconsin• *Highest Single Transmitter Mobile (SOM and MOM) score in Wisconsin• *Highest Single Operator QRP score in Wisconsin• *Highest Single Operator QRP score outside Wisconsin• *Highest Single Operator VHF score in Wisconsin (50Mhz and above) Will not be awarded if top score is less than 500 points.• *Highest aggregate club score (club member stations to be located within 50 miles of the club, except for mobiles and portables). This award is for Wisconsin-based clubs only. Also, stations in MMF category may not be included in a club aggregate.		







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2023/2024 HAMSCI FESTIVALS OF ECLIPSE IONOSPHERIC SCIENCE (FOEIS)

Ham Radio operators, we're calling you! Members of the Ham Radio Science Citizen Investigation (HamSCI) will be making radio contacts during the 2023 and 2024 North American eclipses, probing the Earth's ionosphere. It will be a fun, friendly event with a competitive element—and you're invited to participate.

Both amateur and professional broadcasters have been sending and receiving radio signals around the Earth for over a century. Such communication is possible due to interactions between our Sun and the ionosphere, the ionized region of the Earth's atmosphere located roughly 80 to 1000 km overhead. The upcoming eclipses (October 14, 2023, and April 8, 2024) provide unique opportunities to study these interactions. As you and other HamSCI members transmit, receive, and record signals across the radio spectrum during the eclipse, you will create valuable data to test computer models of the ionosphere.

The Festivals will consist of multiple events, each with a goal of increasing our understanding of sun-ionosphere-earth relationships.

Participants will include volunteer amateur radio operators, short wave listeners and science researchers from multiple US universities.

Details on how to participate can be found on the [HamSCI FoEIS Contest Info Page](#)

HamSCI FoEIS Events in which you can participate

The Solar Eclipse QSO Party (SEQP)

The Gladstone Signal Spotting Challenge (GSSC)

Learn how to participate by visiting the [HamSCI FoEIS Contest Info Page](#)

Planned Events - Details To Be Announced at a Future Time

Doppler Effects on the Reception of WWV and CHU Utilizing the Grape 2 Low-IF Receiver

The Use of Time Delay of Arrival (TDOA) Measurements to Profile Ionospheric Layer Height Changes During Solar Eclipses





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ARES/RACES WITH STAN PIEKARCZYK K9STN

EAST CENTRAL DISTRICT



WI ARES/RACES prides itself on formal and organized network (net) operations to pass information and written traffic for training, severe weather spotting, damage assessment and disaster communications.

Below is a list of scheduled nets that are used by ARES/RACES and other interested amateur radio operators.

All of these nets are open to all amateur radio operators of the appropriate license class and we welcome all operators regardless of ARES/RACES affiliation to check into all that nets you can.

This is a great way to get used to ARES operations and to get information on joining your county ARES group.

Net Name	Time (local)	Frequency or Linked System	Daily Weekly Monthly
Badger Weather Net	0600-0715	3.984 MHz and WECOMM	Daily
Badger Emergency Net	1200- 1230	3.985 MHz	Daily
Wisconsin Sideband Net	1700-1730	3.985 MHz	Daily
Wisconsin ARES/RACES HF Net	0800-0900	3.967 MHz	Sunday
WI ARES Winlink Net	1800-1800	WINLINK	Monday 1800-Tuesday 1800
FEMA Region V Auxcom Voice Net	1500-1515	60 meters Ch 4,	Second and Fourth Sundays
FEMA Region V Auxcom Voice Net	1515-1530	7.280 MHz + or - as announced on Ch 4 net	Second and Fourth Sundays
FEMA Region V Auxcom Voice Net	1530-1545	D-STAR REF024A	Second and Fourth Sundays
FEMA Region V Auxcom Voice Net	1545-1600	DMR R5AUXCOMM (31673)	Second and Fourth Sundays
FEMA Region V Auxcom Winlink Net	0600-1800	WINLINK	Second and Fourth Sundays
East Central ARES/RACES District	2000-2030	WECOMM	First Thursday
SATURN VHF Net	1830-1930	WECOMM	Third Thursday
WI ARES/RACES Statewide VHF Net	1900-2000	WECOMM	Fourth Thursday
Winnebago Co ARES Net	1900	147.240 + PL100	Sunday
Door Co ARES	1930	146.730+ PL 107.2	Sunday
Fond du Lac ARES	1900	145.430- PL 97.4	2nd and 4th Sundays
Calumet Co ARES Net	2000	147.300 + PL 107.2	Sunday
Green Lake Co ARES	2000	146.95 - PL 123.0	Sunday
Outagamie Co ARES	2000	146.655 - PL 00	Sunday
Waupaca Co ARES	2000	146.925- PL118.8	Sunday
Dodge Co ARES	1930	146.640 - PL 123.0	Monday
Brown/Kewaunee Co ARES	1900	147.120+ PL107.2	Tuesday
Manitowoc Co ARES	1900	146.895 - PL146.2	Tuesday



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And on our 10 meter Net on Sunday's at 6:15 PM 28.450 / Chat on Thursday's at 8:00 PM 28.360

Treasurer's Report

Month of February 2023



Doug Schultz N9EZF

	Previous Month	Income & Expenses	Current Total	Cash	Savings Account	Checking Account	CD	Other
FDL RADIO CLUB								
Truck Fund	0.00	0.00	0.00			0.00		
Emergency Svc Fund	2,059.45	0.00	2,059.45			1,592.29	467.16	
General Use Fund	5,070.78	19.35	5,090.13			3,893.61	1,196.52	
Savings Account	25.00	0.00	25.00		25.00			
Petty Cash Fund	19.12	0.00	19.12	19.12				
TOTALS	7,174.35		7,193.75					
FDL REPEATER ASSN.								
Repeater Fund	154.36	0.00	154.36			0.00	154.36	
TOTALS	154.36		154.36					
TOTALS				19.12	25.00	5,485.90	1,818.04	
Income								
Dues								120.00
Raffle								14.00
							TOTAL	134.00
Expenses								
UWO-FDL Foundation		Heil Scholarship						100.00
Joe Scheibinger		TV Interview						14.65
							TOTAL	114.65
Bills Needing Approval to Pay & Action Required								
Incorp. Renewal	Dept. Fin. Inst.							10.00



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Meeting Minutes



Tom Powell KC9VXR

MINUTES OF FDL AMATEUR RADIO CLUB MEETING FEBRUARY 13, 2023

The meeting was called to order by President Bob Burrier, N2TSQ at 7:03pm. He mentioned the Final Call for Silent Key Gene Olig, KD9ZP during the Sunday night 2 meter net, saying we will do that from now on for any Club Silent Key. Guests of the club were welcomed and introduced themselves. Members then introduced themselves, identifying their favorite bands and modes. Stan Piekarczyk, ARES East Central District Emergency Coordinator was introduced and gave a presentation on AARL's Amateur Radio Emergency Service and Radio Amateur Civil Emergency Service. The presentation was recorded by Lloyd Vandervort, N9RPU and a link will be provided in the newsletter. Motion was made by Phil Schmahl, W9MW and seconded by Dave McCumber, N9WQ to approve the minutes of the January meeting. The motion passed by unanimous voice vote. The Treasurer's report was given by Doug Schultz N9EZF. Motion was made by Dave McCumber, N9WQ and seconded by Bill Kieckbush, KG9IO to accept and approve the Treasurer's report. The motion was passed by unanimous voice vote.

Old Business

Treasurer Doug Schultz, N9EZF reported that there are currently 32 club members in good standing, up from 24 a year ago. President Burrier commented that if we figure 32 members at \$15 each, that would total around \$500. With another \$500 from Labor Day Parade and other miscellaneous income we could plan for an annual budget of at least \$1,000. Joe Scheibinger, K9VY added that we still may be able to do a brat fry although Festival Foods would need us to have a 501.C3. Dennis Paulin, KB9OFM has volunteered to organize one if we get a location and they will continue to look into possibilities.

New Business

President Burrier stated that at our March meeting Lloyd Vandervort, N9RPU will lead a discussion on use of internet resources for band openings, DX opportunities, etc. These discussions in the future will precede the meeting with further discussion possible after the meeting. He then reported on discussions from the Board meeting (notes are in the newsletter). Goals are to update committees, plan future pre-meeting discussions (members are encouraged to submit suggestions), update Club inventory, and continue to increase membership. Phil Schmahl, W9MW reported on his discovery of many hams in the county that may be potential club members if approached. Joe Scheibinger, K9VY is looking into having postcards printed to send out. Jack Heil, KG9IN discussed the possibility of a "Youth Initiative" in memory of Silent Key Gene Olig and will meet with those interested after the meeting. Several members then discussed the development of a "Go Box" or portable station for quick set-up for youth programs or *OTA's. Dave McCumber, N9WQ offered comments on contesting, split frequency use in DXing and the Wisconsin QSO Party. A brief discussion on improvements to the trailer followed and Ron Keller, KC9YVL, Justin Buell, KB9YET, and Joe Scheibinger, K9VY will develop a plan and budget for the next Board meeting. Justin then presented Joe with the Ham of the Year award. A motion was made by Justin, KB9YET seconded by Phil, W9MW to adjourn the meeting. The motion passed by unanimous voice vote and the meeting was adjourned at 8:45pm.

Respectfully submitted by Tom Powell, KC9VXR, Secretary



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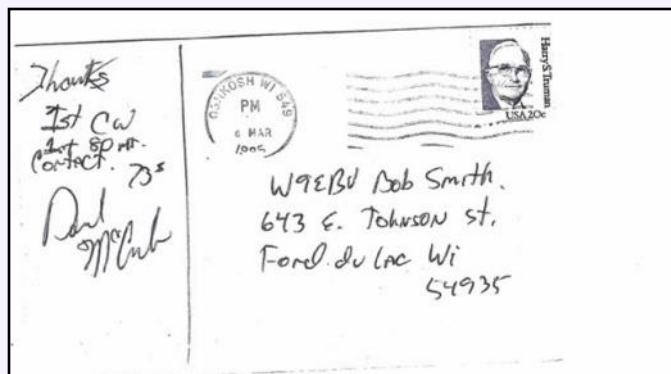


heritage

It's fun to go back in history and look at the achievements we have made as Amateur Radio operators. So throughout the year we will investigate old and fun news stories about local radio and local Hams from our area.

Everyone has their own favorite QSL card! Sending these cards has been a fine tradition for Ham radio operators. But with the expense of printing and postage, the advent of QSL bureaus and the Internet, the tradition has changed. This one card has touched the heart of Dave McCumber N9WQ back when his call sign was W9WAQ. Dave's very first CW contact on 80 meters was with Bob Smith W9EBV. Bob was a founding member of the FARC and was an Elmer to Dave back in 1995. Bob was such an incredible asset to the club, upon his passing the FARC took his call sign and made it the official call sign of the club. Thanks for sharing Dave!

TO RADIO	DATE	UIC	RST	MODE	BAND
W9EBV	2/21/95	80	54	CW	80m



Election of Officers 1993



Field Day 1994 with "Super Dave" McCumber



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FARC FCC LICENSE TESTING

With Doug Schultz N9EZF



We had a very good turnout for our Amateur License Exam session that was held on 2/18/2023 at MPTC with 10 people taking exams. We had 4 VE's to administer exams and they were: W9MW Phil Schmah, K9WKM Wally Meyer, N9KLK Paul Tvrudy and N9EZF Doug Schultz. Overall we had excellent results since all 10 people successfully passed at least the exams they came for. Mark Soboleski KD9WFY of Beaver Dam passed the General license exam. Kevin Teutschmann of Two Rivers passed both the Tech. and General exams. Travis Brockman of Kaukauna passed the Technician exam. Charles Skonig KE9SA of Oshkosh passed the Extra exam. Dennis Weber of Waupun passed the Technician exam. Gene Peterson KD9IAG from St. Cloud and our club passed the General exam. Lawrence McDermott of Waukau passed the Extra exam. Jeffrey Lane KD9SIM of Almond passed the General exam. Nathan Kvalnick of Almond passed the Technician exam. Garrett Leach of Oshkosh passed both the Tech. and General exams.

Doug Schultz





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FARC RECORDED MEETINGS

Videotaped by Lloyd Vandervort N9PRU

CLICK HERE

FARC - W3AO Field Day Presentation

CLICK HERE

FARC - Bob Heil Ham Radio Presentation

CLICK HERE

FARC - WWV Presentation

CLICK HERE

FARC - Pacific Antenna Talks Kit Building

CLICK HERE

FARC - Scanner Master Presentation

CLICK HERE

FARC - WBAY Field Trip TV (11/17/15)

CLICK HERE

FARC - WBAY transmitter tour

CLICK HERE

FARC - NooElec

CLICK HERE

FARC - Elecraft Radio

CLICK HERE

FARC - Ed Tobias & Morse Code

CLICK HERE

FARC - Salvation Army Emergency Communications

CLICK HERE

FARC - KFIZ, Morning Show with Bob Hoffmaster

CLICK HERE

FARC - HAARP interview from Alaska

CLICK HERE

FARC - The "DZ Kit" Ham Radio Kits (02/12/2018)

CLICK HERE

FARC - Christmas Island DXpedition with Bill Kendall (04/09/18)

CLICK HERE

FARC - Restoring Old Antique and Classic Radios (5/17/2019)

CLICK HERE

FARC - SDR Radio with Steve Brightman (01/10/2022)

CLICK HERE

FARC - Paul Ewing and his Incredible DXpeditions Around the World

CLICK HERE

FARC - Fond du lac Amateur Radio Club presents Dave Sumner IRAU

CLICK HERE

FARC - Solar Cycles with Carl Luetzelschwab K9LA (03/14/22)

CLICK HERE

FARC - The Collection & Legend of George E. Ulm W9EVT (04/11/22)

CLICK HERE

FARC - Field Day 2022 radio interview on KFIZ (6/20/22)

CLICK HERE

FARC - Radio Deluxe Software with Dr. Carper (7/11/22)

CLICK HERE

FARC - Hiding the Antenna in the Attic with John Portune (8/15/22)

CLICK HERE

FARC - Loop Antennas with John Portune (11/14/22) Nov. Meeting

CLICK HERE

FARC - ARES / RACES with Stan Piekarczyk K9STN (2/13/23)





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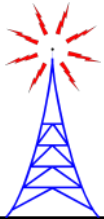
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INTERESTING THINGS TO DO!

FARC Meeting at Moraine Park

Monday, March 13th, 2023



03/19/2023

[Jefferson Hamfest 2023](#)

Location: Jefferson, WI

Type: ARRL Hamfest

Sponsor: Tri-County Amateur Radio Club - W9MQB

Website: <http://w9mqb.org>

03/25/2023

[11th Annual Milwaukee Area Swapfest](#)

Location: Milwaukee, WI

Type: ARRL Hamfest

Sponsor: Milwaukee Radio Amateurs' Club

Website: <https://www.w9rh.org/club-events/swapfest-2/>

FARC FCC Testing Session

Monday, April 15th, 2023



04/15/2023

[Madison Hamfest](#)

Location: Stoughton, WI

Type: ARRL Hamfest

Sponsor: Madison Area Repeater Assc

Website: <http://www.w9hsy.org>

05/06/2023

[ORC 43rd Annual Spring Indoor Swapfest](#)

Location: Cedarburg, WI

Type: ARRL Hamfest

Sponsor: Ozaukee Radio Club, Inc.

Website: <https://www.ozaukeeradioclub.org/>



Incredible Deal on Ham Radio Equipment

On the next page is a bunch of Ham Radio gear that was donated to our club by a friend of Dennis's. All of the equipment is top of the line, and in mint shape. In fact some of it has never been used!



Proceeds from this equipment will be donated to the club. In fact, there should be enough money after the sale to completely pay for the remodeling of our emergency communication s trailer!

Please contact Dennis directly if you would like to purchase any of this great equipment. Dennis's email address is rmafla-t22@hotmail.com, or you can call him at 920-923-6928.

(see equipment on next page)





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Ra



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CLIP AND SAVE FOR YOUR SHACK

NASCAR FREQUENCIES

Number	Driver	Primary	Secondary		
1	Ross Chastain	463.2375	469.3875		
2	Austin Cindric	466.2125	452.6750		
3	Austin Dillon	469.0125	462.0250		
4	Kevin harvick	469.5750	463.9250		
5	Kyle Larson	465.8625	451.9875		
6	Brad Keselowski	466.2750	461.3500		
7	Corey LaJoie	469.5875	468.6875		
8	Kyle Busch	457.6750	468.6000		
9	Chase Elliott	468.2125	467.0375		
10	Aric Almirola	466.9625	468.9375		
11	Denny Hamlin	467.4750	462.4250		
12	Ryan Blaney	464.7000	464.9250		
13	Chandler Smith	459.5750	465.9625		
14	Chase Briscoe	468.0875	469.7375		
15	Riley Herbst	461.2500	466.4000		
16	AJ Allmendinger	467.9875	462.7500		
17	Chris Buescher	460.9500	462.2000		
19	Martin Truex Jr	469.8375	462.2750		
20	Christopher Bell	462.4750	465.2125		
21	Harrison Burton	465.8875	463.0375		
22	Joey Logano	464.8250	451.8250		
23	Bubba Wallace	463.0875	460.3125		
24	William Byron	453.0500	456.8875		
31	Justin Haley	465.1125	462.9625		
34	Michael McDowell	467.1125	463.3000		
36	Zane Smith	468.9500	463.4500		
38	Todd Gilliland	463.3125	461.8375		
41	Ryan Preece	469.1375	466.5000		
42	Noah Gragson	460.1625	462.8125		
43	Erik Jones	463.3375	464.3125		
45	Ryler Reddick	463.1500	467.5375		
47	Ricky Stenhouse Jr	457.6500	458.6500		
48	Alex Bowman	466.7875	465.2875		
50	Conor Daly	460.9125	457.8125		
51	Cody Ware	451.7125	456.8125		
54	ty Gibbs	467.4500	462.5000		
62	Austin Hill	451.3250	467.8875		
67	Travis Pastrana	467.8125	463.4875		
77	Ty Dillon	458.2125	465.1625		
78	BJ McLeod	467.7500	468.9625		
80	TBA Reaume	460.4750	458.0875		



Reaume Car 2	TBA Reaume	456.6625	450.1125		
84	Jimmie Johnson	460.2375	467.5000		
99	Daniel Suarez	465.3875	469.8125		
*	NASCAR 1 & 11	461.2000	*	*	*
*	NASCAR 2 & 12	464.6000	*	*	*
*	NASCAR 5 & 15	451.2250	*	*	*
*	NASCAR 10	451.5750	*	*	*
*	RACE CONTROL	461.2000	*	*	*
*	RACE CONTROL B/U	464.6000	463.6250	*	*
*	SAFTY/FIRE	451.2250	*	*	*
*	NASCAR Weather	467.8500	*	*	*
	MRN Radio	454.0000	*	*	*
	PRN Radio	454.0000	*	*	*
	TBA	450.6250	*	*	*
	TBA	450.1750	450.1250	450.1375	450.1000
	TBA	450.2750	450.6875	*	*
	TBA	462.0250	462.0500	450.7625	455.5875
*	TBA	450.5875	*	*	*
*	FOX	450.2375	450.3000	450.0375	*
*	SPEED	450.1125	*	*	*
*	ROWDY Pre-Race Show	454.5000	*	*	*
*	ROWDY Classic Interviews	454.7000	*	*	*

One of the largest sales blocks for scanners is the NASCAR circuit. Dedicated fans bring their scanners to the races to monitor their favorite driver and to get track information. Wearing a high quality headset also protects the ears in the harsh audio environment. Over the years, the scanners have changed to fit the times. There are now video scanners that can read the telemetry data coming from the cars and give the scanner enthusiast a direct view into the cockpit during the race! Even if you are not at the track, you can monitor car frequencies on the Internet during the race. Businesses are popping up at the tracks that will actually rent you a scanner and headphones during the race! Many of us will never get to the race live, but it is fun watching how the art of electronic design is progressing.



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77	Alderden	KC9SGL
Reinholt	Aschmotat	N8VDH
Gabriel	Baio	
Donald	Bakke	KD0HCW
Jim	Balthazor	K9AIX
Todd	Beay	AC9EX
Ed	Beltz	N9PJQ
Donna	Blend	KC9TFN
Paul	Bleuel	KC9NAA
Blend	Bowen	KC9VXV
Timothy	Braun	W9AAV
Travis	Brockman	KD9WQB
Tim	Brusky	N2TIM
Marjean	Buck	KC9LFI
Neal	Buck	KC9LFN
Justin	Buell	KB9YET
Robert	Burrier	N2TSQ
Don	Chapman	KC9KZQ
Lee	Clausen	KC9ZVZ
Jim	Cole	N9WAP
Frank	D'Imperio	KD9OXO
Walter	Drees	KD9JAD
Debra	Drees	
Kirk	Everson	KC9FZE
Dick	Finn	KC9ZVW
Mark	Forss	WD9CYM
Peter	Fox	KB9WZD
Brad	Freund	KC9QYP
Brad	Gehrt	KA9JDE
Derek	Giese	KD9IAN
Ray	Grenier	K9KHW
Erling	Gruel	WB9OJD
Ted	Gustavus	KD9IAH
Ben	Haack	KD9LVQ
Brad	Hansen	
Dave	Harms	
Jack	Heil	KG9IN
Bill	Hutchinson	KD9TQA
Doug	Iverson	AC9XW
Richard	Jarzynka	KD9EMX
Tom	Karrmann	KC9VZY
Ron	Keller	KC9YVL
Bill	Kieckbush	KG9IO
Patrick	Knowles	K9ZPU
Cully	Kowal	KS0D
Mike	Kraus	KD9UWD
Dawn	Krause	KD9CAW
Scott	Kreis	
Wendy	Kudrowicz	
Nate	Kvalnick	
Larry	Lamont	KB9POP
Jeff	Lane	KD9SIM
Buddy	Larson	KC9UVJ
Joe	Lauber	KC9MDY
Michelle	Lawrence	N9RQL

FARC Membership Roster

Alphabetized by LAST NAME



These are the devoted members of one of the best Amateur Radio Clubs in the Midwest, dedicated to community service, and dedicated to preserve and protect one of the greatest hobbies in the world.

Amateur Radio operators come from all walks of life -- doctors, students, kids, politicians, truck drivers, movie stars, missionaries and even your average neighbor next door. They are of all ages, sexes, income levels and nationalities. Whether through Morse Code on an old brass telegraph key, voice communication on a hand-held radio or computerized messages transmitted via satellite, all hams use radio to reach out to the world.



Mike	Lawrence	N9UA
Garrett	Leach	
Chris	Lehner	N9SBQ
Pete	Leonard	AA9UU
Fred	Lloyd	AA7BQ
Carl	uetzelschwab	K9LA
Isaac	Lundberg	KD9FPG
Chuck	Mahnke	K9HXI
David	McCumber	N9WQ
Larry	McDermott	WD9BAJ
Gabriel	Meyer	K9GSM
Walter	Meyer	K9WKM
Larry	Mielke	KC9RUE
Doug	Murray	KC9ZVT
Tom	Murray	N0HOR
Randy	Nelson	KC9MYG
Ted	Neuburg	W9LUQ
Dot	Olig	K9FDL
Tom	Pachner	W9TJP
Tony	Pass	KC9QYR
Dennis	Paulin	KB9OFM
Gene	Peterson	KD9IAG
Tom	Powell	KC9VXR
Richard	Regent	
Fernando	Salazar	KC9ZVX
Joe	Scheibinger	K9VY
Phil	Schmahl	W9MW
Gregory	Schmude	KD9EHB
Doug	Schultz	N9EZF
James	Scovronski	N9WAM
Ed	Sipple	W9VYO
Steve	Smith	W9GPI
Mark	Soboleski	KD9WFF
Gabriel	Stark	N9NEZ
Ed	Steinfeld	KB1ZJK
Tom	Sturtevant	
Raymond	Teschke	KD9QLE
Kevin	Teutschmann	KD9WQE
Tom	Trethewey	KC9ONY
Brian	Turkiewicz	KC9LFR
Paul	Tvrdy	N9KLK
Lloyd	Vandervort	N9RPU
Bob	Wagner	
Dennis	Weber	
Chris	Weed	KD9VNB
Steve	Weinert	K9ZW
Ted	Willett	W9NHE
Laurie	Winchell-Beltz	KC9YQS
Tim	Winslow	N9ICD
Dave	Witt	WD9W
Mathew	Yates	KD9CSD
Laura	Yates	
Matthew	Zimmerman	KD9KTY
David	Zittlow	K9DUI



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www.fdlhams.org • E-mail: fdlhams@fdlhams.org
PO Box 53 • Fond du Lac WI 54936-0053

MEMBERSHIP INFO & APPLICATION

*Please Print All Information
Complete both sides of this Application*



Call _____ License Class _____ Date _____

Name _____

Address _____

City _____ State _____ Zip _____

Phone _____ Cell Phone _____

Sponsor Name

E-mail Address _____

Do you have a web site? If so, list here _____

Membership Dues

Individual Dues are \$15 per year. Full-time student membership is \$7.50 per year. Family memberships are \$15 per year plus \$5 for each additional family member--if your spouse/son/daughter is licensed, please have him/her complete a separate Membership Application. Dues are payable upon acceptance of your Membership Application by vote of the membership at a Regular Meeting, and at the first meeting in January of each year thereafter.

NOTE: Dues for NEW members are pro-rated if joining after July 1st:

☐ Individual \$7.50 ☐ Student \$3.75 ☐ Family \$10 + \$2.50 for each additional family member

Membership Application

I hereby apply for membership in the Fond du Lac Amateur Radio Club, Inc. I agree to abide by the Constitution and By-laws of the Club. And, recognizing that an organization does not run itself, I agree to serve on any committee or in any elected office to which I can give the proper time and attention, to the best of my ability. I understand that, as a member, I am expected to help at all events, including fund raising events that are sponsored by the Club. I will conduct myself appropriately both on the radio and in person so as to set a good example for other hams as well as the community.

Signed _____ Date _____

Please bring your Membership Application to a regular Club Meeting or
mail it to the Club at the address on the top of this page.

Background and Interests

Please tell us a little about yourself: Where you work; married; children; what other hobbies you are interested in?

Please tell us a little about your “ham shack” and your interests in the Amateur Radio hobby. (Radio equipment, antennas, DX, contesting, rag chewing, HF, VHF, UHF, Packet, RTTY, Microwave, EME, satellite, emergency preparedness, etc...) If not yet licensed, are you into shortwave listening?

How did you hear about the Club?

Security Preferences

Do you want your phone number listed in the on-line Club Directory? ☐ Yes ☐ No

Do you want your cell phone number listed in the on-line Club Directory? ☐ Yes ☐ No

Do you want your E-mail address listed in the on-line Club Directory? ☐ Yes ☐ No

Interests

Are you a member of the ARRL (American Radio Relay League)? ☐ Yes ☐ No

Are you interested in Emergency Services (ARES/RACES)? ☐ Yes ☐ No

Are you interested in weather spotting (SKYWARN)? ☐ Yes ☐ No

The Club maintains several standing committees. Please indicate any that you would be interested in serving on (you may check more than one): ☐ Testing ☐ Contesting ☐ Communications Van

☐ Public Service ☐ Fund Raising ☐ Repeater ☐ Field Day ☐ Program ☐ TVI

☐ Education/Scholarship ☐ Contesting ☐ Web Site ☐ Publicity/Newsletter ☐ On-Air Nets