



December 2011

PRESIDENTS DEC. QST

PROPOSED CONSTITUTION CHANGE

I hope everyone had a great Thanksgiving. It sure is easy to eat too much. I hope you all have a merry Christmas and a Happy New Year. Remember there is no meeting in January, so everyone should try to come to the holiday party in January.

January starts our third year. What do you want to get out of the Club for 2012? Are you planning to come to Field Day, work events and/or build something? The big question is what do you want from the club? What do you want to see happen at the meetings? Are you willing to present something? What happens depends on what the membership wants. The board will not run everything without some input from the membership.

Anyone wanting to upgrade to General the class starts on January 4, 2012. Testing will be third Wednesday in February.

Remember that dues are due by the end of January. There is an important vote on the By-Law changes at this meeting, make sure you show up.

Happy Holidays!  
73, AB8AA

**Amateur Radio is a Hobby,  
Emergency Communications is a Commitment!**



**Officer's Meeting:** Dec. 18, 7:00P.M.  
At the Avnet's, 2050 E. South Range Rd. New  
Springfield (330-549-3051)

**Regular Meeting:** Dec. 20 7:00 P.M. Davidson's,  
in Cornersburgh

**Program:** Two DVD's - one on K3LR's antenna array  
and, if there's time, one on the '85 Tornado that went  
through the valley

**2011 Officers**

**President:** Al Avnet AB8AA ab8aa@arrl.net  
**VP:** Roy Haren KD8IJF harens@juno.com  
**Secretary:** Jane Avnet K8JAA k8jaa@arrl.net  
**Treasurer:** John Fabry KC8SPF  
jonnyjukebox@sbcglobal.net  
**Trustees:** Ted Filmer KD8IJE efilmer@aol.com  
Russ Williams KD8LDY  
russellwhoknew69@aol.com  
Steve Fabry KC8SOY, kc8soy@yahoo.com  
**Social:** Maureen Stein KD8NXS  
mfstein@zoominternet.net  
**Publicity:** Robert Webster KD8OXJ  
rswebster@mail.com

**Preamble:**

We, the undersigned, wishing to secure for ourselves the pleasures and benefits of an association of persons commonly interested in Amateur Radio, constitute ourselves the Western Reserve Amateur radio Club (WRARC) and enact this constitution as our governing law.

**Remove:**

~~It shall be our purpose to further the exchange of information and cooperation between members, to promote radio knowledge, fraternalism and individual operating efficiency, and to so conduct programs and activities as to advance the general interest and welfare of Amateur Radio in the community.~~

**Insert:**

*The purpose of the Western Reserve Amateur Radio Club Inc. is to promote the exchange of information & cooperation between amateur "HAM" radio operators. In addition, to promote amateur radio knowledge & to conduct programs & activities so as to advance the general interest & welfare of amateur radio in the Mahoning County, Ohio community & any other lawful activity that non-profit entities maybe formed under the Ohio Revised Code.*

*In addition, the Western Reserve Amateur Radio Club Inc. is organized exclusively for charitable, educational and scientific purposes, including, for such purposes, the making of distributions to organizations that qualify as exempt organizations under section 501( c ) (3) of the Internal revenue Code, or corresponding section of any future federal tax code.*

In having an attorney look over our paperwork to obtain our 501(c) (3) designation, he has suggested the above change to the Preamble of our Constitution. We will be voting on this change at the December meeting. The following is the article in the constitution concerning Amendments.

**Amendments: Article VII**

This constitution and By-Laws may be amended by a two-thirds vote of the members in attendance at a regular meeting where a quorum is present. A quorum shall consist of a minimum of three

*Continued page 2*

CONSTITUTION - CONTINUED FROM PAGE 1

elected officers and 20% of the regular members. Proposals for amendments shall be submitted in writing at a regular meeting for review and shall be voted on at the next regular meeting, provided all members have been noticed by e-mail, or regular mail of the intent to amend the Constitution and/or By-Laws at said meeting.

What this all means is, we must have at least three (3) Board members and eight (8) regular members at the December meeting to vote on this change. Please plan to attend.



2012 DUES ARE DUE!



QST! QST! Our fiscal year is coming to an end, and it is the time of year to think about renewing your membership for 2012. Our yearly dues (January thru December) are: One time Initiation Fee of \$5; \$20.00 for an individual; \$5.00 for additional family members; \$16.00 for Senior memberships (65+). Please use the enclosed membership app. to update your current info.

Dues must be paid on or before January 31, 2012 to maintain your membership. They can be paid at a meeting or by mail -

WRARC  
2050 E. South Range Rd.  
New Springfield, OH 44443



HOLIDAY PARTY REMINDER

The end of the year is approaching very quickly. This is just a reminder that our next meeting (Tues., Dec. 20) will be our last one before the post Holiday Party on **January 14**. The sign up sheet will be there for anyone who would still like to sign up, or you can call me at 330-757-4963 to sign up if you wish to do it that way. Please give me your name, your call sign, number in your party, and your phone number, if you reserve by phone. Also, the money for the party (\$16.67 per person) needs to be in to the Treasurer by **January 7**, the day I need to give A La Cart the final count.

**73 Maureen, KD8NXS**



Why do you press harder  
on the buttons of a remote control  
When you know the batteries are dead?

NEW <http://www.wrarc.net/> NEW

BENEFIT SAVINGS FUND ESTABLISHED



hand hams

In the spirit of the season, a Benefit Savings Fund has been established at Farmer's Bank to purchase a HF radio (ICOM 7200) and antenna for Mike Austin KC8WUX, who lives in Warren, and has been visually impaired since birth. Mike regularly participates in our two-meter net, and sometimes acts as the net control station.

The cost for the equipment as suggested by Handihams will be approximately \$3,000.00. Roy Dyckman, KD8JMO, and Dave Beaty, KC8WY, have already volunteered to be his Elmers. Ted Filmer, KD8IJE, made the first donation, on behalf of Lions Club International, to get the fund started.

To donate to this fund, simply go to any Farmer's Bank and mention **Western Reserve Amateur Radio Club** (New Springfield), or **Mike Austin KC8WUX**. Your donation will be gladly accepted. Please make sure our Treasurer gets a copy of your receipt, so our books stay in sync.



MORE FROM OUR NEW TREASURER

Our fund for Michael Austin is up and running. Donations can be made at any Farmer's National Bank branch or given to me at the meetings and I will deposit it. If going to a branch location, it is important to inform the teller at the window that it is for the Western Reserve Amateur Radio Club Michael Austin fund and state that it is for this particular savings account. We want to be sure that all donations get to the right place. It was recently discovered that there is another organization with a name nearly identical to ours and that they have a checking account with the same bank. We want to be sure that donations to Mike's fund don't end up in this account by mistake.

We will be getting monthly statements from Farmer's as long as the account remains active. It will change to quarterly statements when donations cease to come in and it is no longer considered to be active. I would like to cross compare donations with the items listed on the statements sent to us to keep on top of it. Therefore, it would be helpful if anyone making a deposit could forward a copy of his or her receipt to me so that I know what deposits have been made to the account. This can be done by giving them to me at meetings or by mailing it to my address, 3088 Southwind Tr., Poland, Ohio, 44514. You might want to keep your original for your own records. If I find any discrepancies on the bank statement, I can go in (in person) to rectify the problem. Of course, to accomplish this, I need to have an accurate record of deposits made to the fund. Thanks in advance!

**73 Maureen, KD8NXS**

ASK THE ELMERS



"Elmer" is a nickname or term used to describe someone that can answer lots of your Ham Radio related questions.

Hey you out there! - whether you're a 'newby' or an old hand at this Ham 'stuff.' The WRARC Elmers are ready and waiting for your questions. Don't be shy, just ask! And remember "there are no dumb questions - the only dumb questions are the ones that you don't ask.." The questioner will be anonymous, but you'll know who answers. Send your 'smart' questions to [questions@wrarc.net](mailto:questions@wrarc.net) and wait for your well thoughtout answer in the next **Wave Bender**.

**Q.**How do I program my hand held radio?

**A.** Bring the radio and the manual to a meeting and one of us will help you - 73, AI AB8AA.

**Q** - I purchased a 2-meter hand held after I received my Technician license. I can make great contact through the local repeaters with my "rubber ducky" antenna. I'm wondering if there is something I can do to with my 5-watt handheld to contact repeaters farther away with some different type of antenna? Any ideas?

**A** - There are a couple of options available , that I know of, to increase the "reach" of your five-watt two-meter hand held. It wasn't that long ago when I tried these options with some good success.

The first option, construct a two-meter copper J-Pole antenna. This antenna is made from copper tubing available at stores like The Home Depot, Lowe's, or any plumbing supply store. There are a number of plans on the Internet for this type of antenna including on the ARRL website at <http://www.arrl.net>. This antenna, some coax (I used RG-8X), and PL-259 connectors will give you a good starting point. This antenna can be mounted on the side or rooftop of a building. When you graduate to a two-meter base or "inside the house mobile" rig, you can use this same antenna with good results.

The second option, buy a two-meter mobile antenna with a mag-mount. The mag-mount general-

ly contains about 10 -15 feet of coax with it. The mobile antenna option gives you a degree of "take along" flexibility that the J-pole does not. You can mount it to the side of a building or a roof using a bracket and metal plate. You can also turn your hand-held into a mini-mobile by locating the mag-mount antenna on the roof or trunk of your vehicle. When I placed the mag-mount antenna on top of the car, the distance I "got" from that five-watt handheld was quite amazing.

For either of these options you will need an SO-239 to SMA adapter to connect your antenna feed-line to the handheld, regardless of which antenna type you use. These are generally available from any outlet that sells Ham Radio equipment.

Good luck and enjoy.



**Join us for the WRARC  
Friday night Net  
9:00 P.M. on 145.270, PL -110.9  
This is a directed net, with all interested  
members taking a turn  
at Net Control  
Contact Steve, KC8SOY to take your turn  
330-774-6346**

**Dec. 2 Kevin, KD8NXR  
Dec. 9 Robert, KD8OXJ  
Dec. 16 Dave, KC8WY  
Dec. 23 Darrin, N8DMC  
Dec. 30 Ted, KD8IJE**

**"NEW" Ask The Elmer Net  
Right after the Friday Night Net  
KC8SOY Moderator**

**"NEW" WRARC 10-mtr Rag-Chew Net  
The net before the net  
Friday Nites 8:30P.M.  
28.415+/-**

**COLUMBIANA COUNTY DIGITAL NET  
8:30 pm - 9:30 pm  
145.510 MHZ SIMPLEX Wednesdays**

**First Wednesday of the Month  
Mahoning County  
ARES/RACES/Skywarn Training Net  
is held on the W8QLYrepeater  
146.745 (-) at 8:30P.M.**



**CONTACT WRARC ELMERS WITH YOUR QUESTIONS AT [QUESTIONS@WRARC.NET](mailto:QUESTIONS@WRARC.NET)**

Avnet, Allan, AB8AA	Antennas, radio setup, mobile, grounding, classes, anything	ab8aa@arrl.net
Beatty, Dave, KC8WY	anything	kc8wy@zoominternet.net
Fabry, Steve, KC8SOY	Yaesu FT8900, FT8800, Mobile	kc8soy@yahoo.com
Haren, Roy, KD8IJF	???	harens@juno.com
Webster, Robert, KD8OXJ	erecting antennas	rswebster@mail.com
Williams, Russ, KD8LDY	Electrician, tele-data, Amateur Extra	russellwhoknew69@aol.com

## A GOOD CLUB

Our Club is like making Bread the old fashioned way. All the parts are needed and if one is left out--No bread! A lot of us are quiet--like flour or milk. it takes lot of the quiet ones to make a good club or a loaf of bread, but that's not all. Some of us are saltier than others. A little salt is required. A lot of salt can ruin the whole thing. Then there are those of us who are really sweet - our YLs?? This too is an essential ingredient. You mix them together what happens? Nothing! You have a lump that just sits there. What is missing?? The yeast, when you mix the yeast into the lump, the lump wants to sit there lumpishly but the yeast has that enthusiasm. "Rise, Get up, get up!" the yeast cries out kicking and hollering. Very reluctantly, the lump starts to rise. Then it gets punched down, but the yeast won't quit. Spurred on by the sugar, the yeast multiplies, and soon the loaf rises. Into the oven it goes and shortly thereafter and the people are fed. It doesn't matter which part you play as long as you play a part. Just lookout, the yeast will get you! Come on up, UP!!!! Let's all pitch in 2012 and we will make the best bread/club in the county.

73, Cam KI6WK

Stolen from So Cal.WCARC 10/10 Intermod



## 2012 OFFICERS

The following 2012 officers were elected by acclamation at the November 15 meeting-

President: Al Avnet AB8AA  
ab8aa@arrl.net

VP: Robert Webster KD8OXJ  
rswbster@mail.com

Secretary: Jane Avnet K8JAA  
k8jaa@arrl.net

Treasurer: Maureen Stein KD8NXS  
mfstein@zoominternet.net

Trustees: Ted Filmer KD8IJE  
efilmer@aol.com

Steve Fabry KC8SOY  
kc8soy@yahoo.com

Roy Haren KD8IJF  
harens@juno.com

Appointed positions:

Social: Maureen Stein KD8NXS  
mfstein@zoominternet.net

Publicity: Robert Webster KD8OXJ  
rswbster@mail.com

Our thanks to Russ KD8LDY, John KC8SPF, and Roy KD8IJF for the wonderful job they did in the jobs they held in 2010 & 2011!

## THE ARRL 10 METER CONTEST: GET ON WHILE THE BANDS ARE HOT!

11/30/2011 Ten meters -- in case you haven't heard, it's alive in a big way! That means that the ARRL 10 Meter Contest -- coming up the weekend of December 10-11 -- is going to be the one of the best we've seen in years! During this event, many propagation modes will be available: Sporadic-E will help you work stateside stations, a touch of meteor scatter in the morning will give you split-second chances to work stations -- you'd better be quick, though! -- and DX stations will be plentiful, thanks to the return of F2 propagation.

Yes, 10 meters is back. During the CQ World Wide DX CW Contest this past Thanksgiving weekend, many stations worked more than 100 DXCC entities on 10 meters. ARRL Contest Branch Manager Sean Kutzko, KX9X, said that he keeps hearing from numerous hams who have been licensed only three or four years, telling him that they've never experienced a 10 meter opening before because they weren't licensed during the last solar cycle peak: "A common phrase I'm hearing is, 'Now I understand what all the Old-Timers in my club were talking about -- 10 meters is great!' With a concentration of activity for the contest, there will be an opportunity for the first time in several years to experience the beauty of a wide-open 10 meter band. With so much excitement worldwide over the great conditions, the 2011 ARRL 10 Meter Contest could see the highest level of participation in a very long time!"

Single Operator entrants can use CW only, SSB only -- or a mixture of both. They can choose between High Power, Low Power (150 W or less) or QRP (5 W or less). Want to share the fun with your friends? Invite them over and enter in the Multioperator category. US Novice and Technician class operators can get in on the fun, too. Both classes are permitted SSB operation between 28.3-28.5 MHz with 150 W. You don't have an antenna for 10 meters? Why not build one yourself! A dipole for 28.4 MHz is about 16.5 feet long -- build it and get it up in the air as high as you possibly can. According to Kutzko, it's an easy construction project and you will work stations, especially with band conditions like this! Quite simply, this is a weekend not to miss!

In 2010, the ARRL added the 32 Mexican states as multipliers to the 10 Meter Contest. "Activity from our friends in XE spiked in 2010 as a result of the inclusion of Mexican states, and there's every indication there will be even more activity from the XE's in 2011, providing even more stations to work and increase your score," Kutzko said. For a list of the Mexican states, download a free map, provided by Grupo DXXE.

The ARRL 10 Meter Contest *Continued page 5*

**ARRL 10 MTR CONTEST - CONT. FROM PAGE 6**

runs from 0000 UTC Saturday, December 10 through 2359 UTC Sunday, December 11. Logs must be e-mailed or postmarked no later than 0000 UTC Wednesday, January 11, 2012. Paper logs should be sent to ARRL 10 Meter Contest, 225 Main St, Newington, CT 06111.



**WE GET EMAILS**

If you have an interest in using the 60 meter band this November 18th decision by the FCC will be of interest to you:

[http://transition.fcc.gov/Daily\\_Releases/Daily\\_Business/2011/db1118/FCC-11-171A1.pdf](http://transition.fcc.gov/Daily_Releases/Daily_Business/2011/db1118/FCC-11-171A1.pdf)

It adds a channel, increases power to 100 watts effective radiated power, and adds CW, PSK-31 and Pactor III modes to the band. I believe that it takes effect in thirty days after publication.

**73, Jim, KC8PD (President of PCARS)**



**YOU MIGHT BE A HAM IF:**

If your wife puts something on and asks "Does this make me look too fat?" and you reply with: "Honey you have an excellent front to back ratio with appreciable forward gain on the front lobes."

Your wife has called you three times for dinner - then she calls you on the repeater.

When someone asks for directions, you pause, wondering if long or short path would be best.

Your family doesn't have a clue what to get you for Christmas, even after you tell them.

You have never seen a Meteor Shower because you are inside on 6 meters when they occur.

Your XYL says communication is important in a marriage...so you buy another radio for the shack.

Your family has a special annual garage sale just to get rid of the boxes of wire, coax, and power adapters-but you pay your friends to "buy" the stuff and get them to quietly return it to you the following weekend.

Dolphins are so smart that within a few weeks of captivity, they can train people to stand on the very edge of the pool and throw them fish.

**NEW** <http://www.wrarc.net/> **NEW**

**FCC NEWS: FCC GRANTS SECONDARY SERVICE ALLOCATION TO WIRELESS BROADBAND MEDICAL MICROPOWER NETWORKS**

In their regular meeting on Wednesday, November 30, the four FCC Commissioners unanimously agreed to allocate spectrum and adopt service and technical rules for the utilization of new implanted medical devices that operate on 413-457 MHz (70 cm). These devices will be used on a secondary basis as part of the Medical Data Radiocommunication Service in Part 95 of the FCC rules. The Amateur Radio Service also has a secondary allocation on the 70 cm band. These new rules are the result of a Notice of Proposed Rule Making that the FCC released in March 2009. A Report & Order that will define these new rules is expected soon.



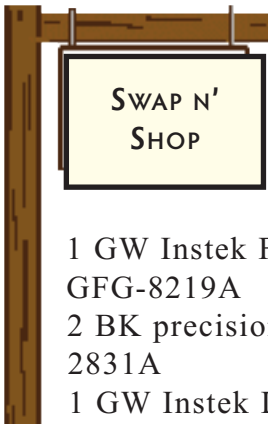
An implantable microstimulator of the kind that would be used with a wireless medical micropower network.

According to the FCC, these devices would greatly expand the use of functional electric stimulation to restore sensation, mobility and function to those persons with paralyzed limbs and organs; they would be implanted in a patient and function as wireless broadband medical micropower networks (MMNs).

A implantable microstimulator of the kind that would be used with a wireless medical micropower network. [Photo courtesy of the Alfred Mann Foundation]

Calling the new rules an "advance[ment of] its mobile broadband agenda," the FCC said this will create "a new generation of wireless medical devices that could be used to restore functions to paralyzed limbs. Medical Micropower Networks (MMNs) are ultra-low power wideband networks consisting of multiple transmitters implanted in the body that use electric currents to activate and monitor nerves and muscles." The Commission also noted that its National Broadband Plan -- released in 2010 -- observed "that the use of spectrum-agile radios and other techniques can significantly increase the efficient use of radio spectrum to meet growing demand for this valuable resource. MMNs illustrate how advanced technology can enable the more efficient use of spectrum to deliver innovative new services." Read more here.<http://www.arrl.org/news/fcc-grants-secondary-service-allocation-to-wireless-broadband-medical-micropower-networks>





- 1 GW Instek Function Generator, Model GFG-8219A \$75
- 2 BK precision Digital Multimeter, Model 2831A \$20 ea
- 1 GW Instek Laboratory DC Power Supply Model GPC-3020 Dual 0-30 Volt @ 2 Amps \$75
- 1 BK Oscilloscope, Model 2120 20 Mhz \$75
- 1 Micronta Power Supply 13.8 volt – 2.5 A \$10

All of these have power cords, but no probes. Accepting reasonable offers.

**Keith Shaner KC8KAY SK** - Equipment for sale Everything is about 4-5 years old

- 1 YAESU FT950 \$900.00
- 1 YAESU VX-6 \$100.00
- 2 YAESU FT 8900R \$250.00
- 1 ICOM IC7000 \$850.00
- 1 Astron SS-30M \$100.00
- 1 Astron RS-50M \$170.00
- 1 MFJ 989C \$200.00
- 1 MFJ 269 W/ Case \$225.00
- 1 RigRunner 4005/C \$45.00
- 1 RS PRO 76 \$25.00

To Purchase Contact Al 330-549-3051



**RECORD NUMBERS AT CAL POLY ARC LICENSING SESSION**

SAN LUIS OBISPO – On Friday, November 4, 2011 a record 150 electrical engineering freshman students from Cal Poly will take their FCC amateur radio technician-class license exam in the largest amateur radio licensing event ever in San Luis Obispo County. Hosted by the Cal Poly Amateur Radio Club (CPARC), this event will break its previous record of 62 new licensees, set earlier this year on Oct 1, 2011. This session is likely the largest Amateur Radio License Testing Session ever held at the collegiate level. Special testing arrangements were made with the American Radio Relay League (ARRL) to accommodate this large group.

**Allen Pitts, W1AGP  
Media & PR Manager**

**AN INVITATION . . .**

Just a little note to let you all know of the upcoming Phantoms Figure Skating Club's Christmas show. There are two show dates - Saturday, December 10, 7:00 P.M. and Sunday December 18 2:00 P.M. Tickets are \$8.00 for adults and teens, \$6.00 for seniors and children under 12. Both shows are at the Ice Zone on McClurg Rd. in Boardman, between South Ave. and Southern Blvd. We would love to have you join us in the audience.

The shows actually have a Ham Radio connection! My younger son, Mark, is one of the skaters, and Brandon Benson KD8NXP, is as well. The kids have all been working hard on their solo and group numbers, with lots of individual practice and rehearsals. It will be a nice show and a chance to see the skills of some of our local ice skaters. (Future Olympians?)

Brandon is not yet a member of our Club, but he and his family were in the first, and only, "Kitchen Class" with Kevin and me. We got our Technician Class Licenses the same test night. I know both boys would be happy to see some familiar Hams in the crowd beside just Kevin KD8NXP and me. Please keep it in mind when you are looking for holiday things to do.

**Thanks, 73 Maureen KD8NXS**



**. . . OR TWO**

If you didn't know you were standing only a few feet away, the scene which will spread in front of you easily could be a mountaintop view of trains running around and through a long valley. It's big, but not quite life-size.

Friends of WRARC, Joan (KB8VRF) and Jack (KB8VRF) Twaddle, who is in our Extra class, have invited our members to the Riverside Railroad Club's event. It's the G-scale (for garden-scale) layout of the Riverside Railroad Club which will be located at the S.C.O.P.E Center at 220 W. Market St., Warren. The club will be running a weekend open house that will be held Saturday and Sunday from 1 to 5 p.m. December 17 and 18. Should be fun!

**EXTRA CLASS WINDING DOWN**  
**TESTING FOR ALL LICENCES**  
**DECEMBER 21, 7:00 P.M.**  
**MAHONING COUNTY EMA**  
**700 INDUSTRIAL RD., YOUNGSTOWN**

**UPCOMING GENERAL CLASS**  
**STARTING JANUARY 4**  
**FOR INFO CALL AL**  
**330-549-3051**



WESTERN RESERVE AMATEUR RADIO CLUB

MEMBERSHIP APPLICATION

2050 E. SOUTH RANGE RD.
NEW SPRINGFIELD, OH 44443

PLEASE PRINT LEGIBLY

Check one: [ ] New Membership [ ] Membership Renewal Today's Date \_\_\_/\_\_\_/20\_\_\_

Applicant Name 1: \_\_\_\_\_ Birth Date: \_\_\_/\_\_\_/\_\_\_ M [ ] F [ ]

Call: \_\_\_\_\_ Class: \_\_\_\_\_ Expires: \_\_\_/\_\_\_/\_\_\_ Member # \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP: \_\_\_\_\_

Home Phone: (\_\_\_\_) \_\_\_\_\_ Cell: (\_\_\_\_) \_\_\_\_\_ Work: (\_\_\_\_) \_\_\_\_\_

E-Mail Address: \_\_\_\_\_ ARRL Member: Y N Date Expires \_\_\_\_\_

Applicant Name 2: \_\_\_\_\_ Birth Date: \_\_\_/\_\_\_/\_\_\_ M [ ] F [ ]

Call: \_\_\_\_\_ Class: \_\_\_\_\_ Expires: \_\_\_/\_\_\_/\_\_\_ Member # \_\_\_\_\_

Home Phone: (\_\_\_\_) \_\_\_\_\_ Cell: (\_\_\_\_) \_\_\_\_\_ Work: (\_\_\_\_) \_\_\_\_\_

E-Mail Address: \_\_\_\_\_ ARRL Member: Y N Date Expires \_\_\_\_\_

Publish phone numbers in membership roster? [ ] Email? [ ]

What are your interests? \_\_\_\_\_

Bands Worked? \_\_\_\_\_

Years? Years? Years? Years? Years?
SkyWarn ( ) RACES ( ) ARES ( ) EMA ( ) CPR ( )

A \$5.00 initiation fee will be assessed in the first year of membership for all new members. Membership year is Jan 1 - Dec 31. Dues are due no later than Jan 31 for the following year. Dues are as follows: Example - Regular Member Pays on Jan 1 \$20 for entire year. If paid on July 1 or after, \$10 for remaining portion of the year.

\$ \_\_\_\_\_ Initiation Fee \$5.00 (Payable first year only)

\$ \_\_\_\_\_ Full Membership (\$20.00 full year, \$10.00 half year)

\$ \_\_\_\_\_ Additional Family Members, same address (\$5.00 ea).

\$ \_\_\_\_\_ Associate Membership (\$20.00 full year, \$10.00 half year)

\$ \_\_\_\_\_ Senior Membership 65+ (\$16.00 full year, \$8.00 half year)


\$ \_\_\_\_\_ Total Enclosed.

Please do not write below this line. Date Voted \_\_\_/\_\_\_/20\_\_\_ Approved by: \_\_\_\_\_ Date: \_\_\_/\_\_\_/20\_\_\_

Database updated \_\_\_/\_\_\_/20\_\_\_ By \_\_\_\_\_ MA4/22/11

# December 2011



<p>11/27</p>	<p>11/28</p>	<p>11/29</p>	<p>11/30 Extra class</p>	<p>1</p> 	<p>2 WRARC Net 9:00PM 145.270 Rptr KD8NXR</p> <p>Happy Birthday KC8PD </p>	<p>3</p>  <p>National SKYWARN Recognition Day</p>
<p>I've Learned.... That money doesn't buy class.</p>						
<p>4</p>	<p>5</p>	<p>6</p>	<p>7 ARES Net 8:30 P.M. 146.745 Rptr Extra class Pearl Harbor Remembrance Day</p>	<p>8</p>	<p>9 WRARC 10-Mtr Net 8:30 P.M. 28.415 MHz 2-Mtr Net 9:00 PM 145.270 Rptr KD8OXJ</p>	<p>10</p>
<p>11</p>	<p>12</p>	<p>13 Ham Community Breakfast Eat'n Park Boardman 8:30 A.M.</p>	<p>14 Extra class</p>	<p>15</p>	<p>16 WRARC 10-Mtr Net 8:30 P.M. 28.415 MHz 2-Mtr Net 9:00 PM 145.270 Rptr KC8WY</p>	<p>17</p>
<p>18 WRARC Board Meeting 7:00P.M.</p> <p>Happy Birthday KB8QDZ </p>	<p>19</p>	<p>20 WRARC Meeting 7:00P.M.</p> <p>Have A Happy Hanukkah!</p>	<p>21  6:30 P.M. EMA 700 Industrial Rd. Youngstown, OH</p>	<p>22</p>	<p>23 WRARC 10-Mtr Net 8:30 P.M. 28.415 MHz 2-Mtr Net 9:00 PM 145.270 Rptr N8DMC</p>	<p>24</p>
<p>25  Merry Christmas</p>	<p>26  KWANZAA</p>	<p>27 Ham Community Breakfast Eat'n Park Boardman 8:30 A.M.</p>	<p>28</p>	<p>29</p>	<p>30 WRARC 10-Mtr Net 8:30 P.M. 28.415 MHz 2-Mtr Net 9:00 PM 145.270 Rptr KD8IJE</p>	<p>31  HAPPY NEW YEAR</p>