



# The Wave Bender

October 2012



## PRESIDENT'S QST

Here it is October, scary as that seems. Tech classes are on going with five students. Testing will be on October 17, at ITT Tech. Following that there will be the EC-001 class starting on October 20, 2012 and then the General Class starts on November 7, 2012. All these classes will be at the ITT in Austintown. We will have the Soldering Class, standby for dates. After the soldering class we will have a build the Digital Interface day. I have had to put these off 'till I have more time. Future Events.

We will be doing the Diabetes Walk on October 21 at Canfield Fairgrounds. The After the Holidays Dinner/Meeting will be in place of the January meeting. Elections are coming in November, one Trustee to be elected.



73, AB8AA

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



**Officer's Meeting:** October 14, 7:00 P.M.  
At the Avnet's (330-549-3051)

**Monthly Meeting:** Oct. 16, 7:00 P.M. Davidson's,  
3636 Canfield Rd. in Cornersburgh

**Speaker:** Tony Massone  
**Company:** Keystone Compliance

### 2012 Officers:

**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:** Steve Fabry, KC8SOY kc8soy@yahoo.com  
Ted Filmer, KD8IJE efilmer@aol.com  
Roy Haren, KD8IJF harens@juno.com

**Social:** Maureen Stein, KD8NXS mfstein@zoominternet.net

**Publicity:** Robert Webster, KD8OXJ rswbster@mail.com

**Badges::** John Fabry, KC8SPF jonnjukebox@sbcglobal.net

## SERVICE FOR THOSE AT SEA

1 October 2012 –

Late last week while dialing around the bands I encountered a net that I had not heard before. Its gave rise to my thinking of how radio on dry land has served those at sea. As you may recall 2012 is the 100th anniversary of the RMS Titanic's sinking. From that time forward "the wireless", on land and sea, became a more routine piece of equipment for mariners. Wireless became an electronic lifeline in the event of emergencies or when attempting to determine what lay ahead in terms of weather or other navigational hazards.

The powerful shore stations that kept watch over the bands to monitor ship-to-shore and ship-to-ship traffic became more important, especially following the sinking of RMS Titanic. Guglielmo Marconi was primarily responsible for the beginnings of the shore networks that originated in the Cape Cod area of Massachusetts in the early 1900's and eventually expanded to serve a large part of the world.

While I listened in on the net, mentioned at the top of the article, many things came full circle. If you are tuning in the 20-meter band between 12.00 and 22.00 EDT (12.00 and 21.00 EST) dial up 14.300 MHz USB. What you will encounter is the Maritime Mobile Services Net (MMSN). The Amateurs who founded the net in 1968 were: Winston Robertson (KB5YX), Steve Rock (N4SR), Don Van Horn (K1FZY) and a number of others. It has been going strong since that time. The original purpose of the net was to run phone patches for U.S. Navy vessels, as those vessels weren't permitted to house M.A.R.S. stations on board.

Over the years the mission of the MMSN has changed somewhat. However the dedication to mariners and the maritime service remains. Today's mission for the net is handling maritime messages, for both commercial and pleasure craft. The MMSN is staffed completely by Amateurs with over 60 volunteer net control stations in the Atlantic and Caribbean basins as well as a host of relay stations backing up the net control stations. *Continued page 2*

<http://www.qsl.net/w8wrc/>

## ARRL

SERVICE - CONTINUED FROM PAGE 1

## SB QST ARL ARLB023

## ARLB023 FCC Seeks to Change Amateur Radio Licensing Rules, Allow Additional Emission Types

On October 2, the FCC released a Notice of Proposed Rulemaking (NPRM) in WT Docket No. 12-121 that seeks to change the Amateur Radio licensing rules, especially as they concern former licensees. Acting upon an April 2011 Petition for Rulemaking filed by the Anchorage VEC to give permanent credit to radio amateurs for examination elements they have successfully passed, the FCC proposes to revise Section 97.505 to require that Volunteer Examiners (VEs) give examination credit to an applicant who can demonstrate that he or she formerly held a particular class of license. In addition, the Commission seeks to shorten the grace period during which an expired amateur license may be renewed and to reduce the number of VEs needed to administer an amateur license examination.

In response to a Petition for Rulemaking filed by the ARRL in March 2011, the FCC looks to amend the Amateur Service rules to allow amateur stations to transmit additional emission types in order to permit Time Division Multiple Access (TDMA) in the Amateur Service. But in doing so, it denied the League's request for a blanket waiver pending the resolution of the rulemaking proceeding.

Comments on these proposed rules changes will be accepted until 60 days after the NPRM is published in the Federal Register (this can take up to six weeks after release of the NPRM). Reply comments will be accepted until 90 days after publication in the Federal Register.

Complete information can be found at:  
<http://www.arrl.org/news/fcc-seeks-to-change-amateur-radio-licensing-rules-allow-additional-emission-types>.

## VOLUNTEERS NEEDED



The Haunted Hayride needs volunteers on the the following October Weekends:

Fri 12, Sat 13; Fri 19, Sat 20; Fri 26, Sat 27.

Pumpkin carving for the little kids will be on 12th, and the 13th.

Meet at the logcabin at 6:00 P.M. hope to be out of the woods by 10:00 / 10: 30 P.M. Hope to get 10 people per night, more can come. Contact Bill KD8HCQ to volunteer [popbottle@zoominternet.net](mailto:popbottle@zoominternet.net)

Articles from members for the Wave Bender are encouraged. They must be received by the editor three days before the end of the month. Please send your articles to: [k8jaa@arrl.net](mailto:k8jaa@arrl.net), and put WRARC on the subject line of your email. You may also send your articles to the editor at: Jane Avnet  
 2050 E. South Range Rd.  
 New Springfield, OH 44443

This provides an effective coverage area of the Atlantic, Caribbean, Mediterranean, and eastern Pacific basins.

The US Coast Guard has a well-established relationship with the MMSN. This is because its Amateur volunteers have been responsible for handling hundreds of call from vessels in distress and medical emergencies in very remote areas. That is credibility and dedication in action!

The MMSN also serves as a type of "weather beacon" for ships at sea during severe weather events providing high seas and tropical weather warnings developed by the National Weather Service (NWS). The MMSN is a member of the National Weather Service Marine Observation Program (MAROB) relaying maritime observations to NWS. The MMSN invites check-ins from Amateurs (wet or dry) and still appreciates phone patch capabilities. If checking in isn't for you...just listen in to a real working net in action.

Some websites you may want to visit  
 The MMSN website at: <http://www.mmsn.org/>  
 The Maritime Radio Historical Society at: <http://radiomarine.org/>

-73- Robert, KD8OXJ

## CALLING ALL LEGION FAMILY HAMS



No, not those of you who excel at the karaoke machine.

We're looking for federally licensed Ham radio operators who are members of The American Legion, The American Legion Auxiliary, and Sons of the American

Legion.

Check out The American Legion Amateur Radio website at [www.legion.org/hamradio](http://www.legion.org/hamradio) and join the nation's fastest growing amateur radio club - for free.

Get the brochure, "Amateur Radio & The American Legion" by sending a request to [pr@legion.org](mailto:pr@legion.org) or download the brochure from: [www.legion.org/documents/pdf/amateur-radio-brochure-web.pdf](http://www.legion.org/documents/pdf/amateur-radio-brochure-web.pdf)

From John Curea KG8BC, via email

## Paradoxical Quote of The Day From Ben Stein:

"Fathom the hypocrisy of a government that requires every citizen to prove they are insured... but not everyone must prove they are a citizen." Now add this, "Many of those who refuse, or are unable, to prove they are citizens will receive free insurance paid for by those who are forced to buy insurance because they are citizens."

**SWAP N'  
SHOP**

- 1. ICOM IC-706 MKIIG, w i t h  
HM-103 mic \$400.00
- 2LDG-IT-100 100watt  
Automatic Tuner for ICOM  
\$100.00
- 3 ICOM HB118 TN/YA DTMF hand microphone-  
\$ 75.00
- 4. DUPLEXER HF/VHF \$ 50.00
- 5. Chameleon Antenna \$100.00  
V2L HF/VHF/UHF Multiband Antenna
- 6. M383 Moble Mounting Bracket
- 7. MB72 carrying handle \$ 25.00  
(Separation cables) not yet  
No box. Printed copy of manual

All (1 thru 7) for \$600.00

Call Jim Jickess (330-757-9675) for more information

**SOME NONSENCE FROM DENNIS**

Three Brothers ages 92,94 and 96 live in a house together. One night the 96 year old draws a bath. He puts his foot in and pauses. He yells down the stairs and says "Was I getting in or out?"

The 94 year old yells back "I'll come up and see. He starts up the stairs and pauses. Then he yells, "Was I going up the stairs or down?"

The 92 year old Ham is sitting in front of his HFrig listening to his brothers. He shakes his head, picks up the mic and says "I sure hope I never get that forgetful." He knocks on wood for good measure. Then he yells into the mic, "I'll come up and help both of you as soon as I see . . . who's at the door. Over"



**ARES**

Doug Sage KB8TPG, kb8tpg@hotmail.com, visited our September meeting, as a representative from local ARES. He is asking ARES members update their record with any changes that have occurred since SkyWarn Training in the Spring. He is also looking for anyone with an interest in joining local ARES to contact him at 330-717-8036.

**WRARC Communications Team Net**  
**Friday Nites 8:00P.M.**  
**145.270, PL -110.9**  
**Net Control will be rotated**

**Join us for the WRARC**  
**Friday night Net 9:00 P.M.**  
**145.270, PL -110.9**

**This is our weekly net, with**  
**all interested members**  
**taking a turn at**  
**Net Control**  
**Contact Steve, KC8SOY**  
**to take a turn**  
**330-774-6346**

**Upcoming Net Control Operators**

- Oct. 12 Russ N8RW
- Oct. 19 John KC8SPF
- Oct. 26 Dave N8YMZ
- Nov. 02 Russ N8RW
- Nov. 09 Dave KD8NZF
- Nov. 16 Roy KD8IJF

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

**W8SGT is facilitating an HF net**  
**every Tuesday - 1800 (6:00 PM)**  
**The net is run from the**  
**State of Ohio EOC on the**  
**Ohio ARES Admin**  
**frequency 3875 KHz LSB.**  
**All are welcome to check in.**

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

**First Wednesday of the Month**  
**Mahoning County**  
**ARES/RACES/Skywarn Training Net**  
**is held on the W8QLY repeater**  
**146.745 (-) at 8:30P.M.**



**CONTACT WRARC ELMERS WITH YOUR QUESTIONS - [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 |

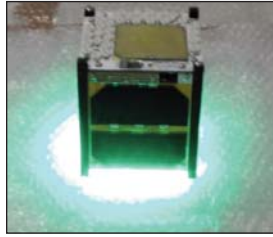




## SPACE STATION DEPLOYS FIVE CUBE SATS

SB Space ARL ARLS005

Five research CubeSats - all with Amateur Radio communication systems - were successfully deployed from the International Space Station beginning around 1430 UTC today. The satellites were launched from the Kibo station module using a specially equipped robotic arm.



*The group includes:*

TechEdSat, a collaboration among NASA's Ames Research Center; San Jose State University; the Swedish National Space Board (SNSB) and the Japan Aerospace Exploration Agency (JAXA), will be sending AX.25 packet telemetry at 437.465 MHz. The TechEdSat team is asking for assistance from amateurs in decoding and relaying data. Follow the mission on their Twitter page at, <http://twitter.com/TechEdSat>.

More information about decoding and submitting packet data is available on their website.

FITSAT-1, designed and built at the Fukuoka Institute of Technology, Japan, will test the feasibility of high-speed microwave data downlinks in low Earth orbit. It will transmit telemetry on 437.445 MHz and 5.84 GHz. They welcome signal reports from amateurs at their website at, <http://turing.cs.fit.ac.jp/~fitsat/>.

WE WISH, from the Meisei Electric Company Radio Club, Japan, will send CW telemetry and occasional SSTV images at 437.505 MHz.

RAIKO, designed and built by students at Wakayama University, Japan, will transmit high-speed data at 2.2 and 13 GHz.

F-1, built by students at FPT University in Hanoi, Vietnam will send telemetry at 145.980 and 437.485 MHz using 1200-baud packet and CW. Amateurs are asked to monitor and submit reports. More information can be found at, [http://ospace.edu.vn/?page\\_id=27](http://ospace.edu.vn/?page_id=27).

### COMMUNICATION UNIT NEWS

The Communications Unit first meeting was a success. We have 12 members. We will have training sessions in the morning on the last Saturday of the month starting in January 2013. We will have a net every Friday evening at 8:00 P.M. on 145.270, on Liz and Dave's repeater. Our nets will have some limited training. Anyone that wants to join the Unit please contact me.

**AI AB8AA**  
330-549-3051

## WEAVER'S WORDS -- THE FALLING LEAVES

#### + Joe Wehner, W8KNO Appointed Card Checker +

Joe Wehner, W8KNO of Hiram, OH has been appointed an ARRL Card Checker.

Joe previously had been certified to check cards for VUCC. He now can check QSL cards for all ARRL awards with the exception of 160M. Joe has credits for 221 entities (countries) by phone in the DXCC chase.

As a Card Checker, Joe is available to travel at reasonable distances and at reasonable times to check cards at hamfests and other activates. He also is available at reasonable times to check cards at or near his home. One advantage of having cards checked by Card Checkers is that QSLs do not need to be shipped to ARRL HQ. In many instances, submitting QSOs for credit can essentially be done online.

Before taking QSLs to Joe or any Card Checker, please be sure to read the rules for submitting these. DXCC card rules can be found at [www.arrl.org/dxcc](http://www.arrl.org/dxcc). Rules for checking cards for VUCC can be found at [www.arrl.org/vucc](http://www.arrl.org/vucc). Card Checkers in your general area can be found at [www.arrl.org/awards-managers](http://www.arrl.org/awards-managers).

#### +++ Ham Radio Promotion Project Continues +++

The Ham Radio Promotion Project is precisely what it says -- a project to promote Amateur Radio. It's prime objective is to introduce non-hams to Amateur Radio and to assist them to become licensed amateurs. The project is sponsored by the Committee to Promote Amateur Radio (CPAR). CPAR has a variety of materials and information available to guide individuals and clubs in the effort to spread hamming to non-hams. Additional information on the Project is available at [www.neoham.org](http://www.neoham.org).

Dee Logan, W1HEO of Mentor, OH is point man for the Committee. Dee can be reached at [deverelogan@gmail.com](mailto:deverelogan@gmail.com) for still additional information.

#### +++ Why Consider a Card Checker for Your Hamfest/Swap +++

QSL Card Checkers are ARRL members who volunteer their time and service to checking QSL Cards for one or more League operating awards without the need to send QSLs to HQ. The awards include the DXCC and WAS families of awards, and VUCC. There are benefits to amateurs from having their QSLs checked in the field by a Card Checker. These include:

- There is no risk of having QSLs lost being shipped to and from HQ.
- No need to ship the cards = no postage or other shipping fees.
- The fee for processing QSL submissions may be less when using a Field

*Continued page 5*

**WEAVER'S WORDS - CONTINUED FROM PAGE 4**

Checker than when mailed to HQ.

- As the use of Card Checkers (and Logbook of the World) increases, delays in processing submissions due to volume of submissions should decrease.

There also are benefits to hamfests/swaps from arranging for and publicizing the presence of Card Checkers.

- Providing the service gives another reason for amateurs to attend the hamfest/swap.

- The availability to have QSLs checked at a hamfest/swap makes it stand out in the minds of hams who chase QSLs. What is the cost to a hamfest/swap to bring in a Card Checker?

- Including an announcement of the service in publicity of the hamfest/swap.

- A free admission.

- A table and a couple of chairs.

Card Checkers in your general area can be found at [www.arrl.org/awards-managers](http://www.arrl.org/awards-managers).

DXCC Card Checkers can check essentially all QSLs with the exception of those for 160 meters. Only Checkers who themselves hold a 160M DXCC are able to check 160M cards.

**+++ Jamboree On-the-Air +++**

Jamboree on the Air is October 20-21. The Scouting website contains information ranging from frequency ranges on Echolink, IRLP, and D-Star, through activity books, Radio Merit Badge slides, and general how-to information. Check it out at <http://www.scouting.org/jota>.

Amateurs interested in helping out with Jamboree on the Air should contact their local Troop or Council. Councils may be found by going to <http://scouting.org/LocalCouncilLocator.aspx>.

**+++ ARRL Seeks New Technical Editor +++**

The ARRL is looking for a new Technical Editor. Amateurs who are interested in the job are invited to apply. This position offers the opportunity to influence the technical articles that appear in QST and other League publications. The official announcement follows:

**"ARRL HQ Seeks Applicants for QST Technical Editor**

"The League is currently looking to fill the position of QST Technical Editor at ARRL Headquarters in Newington. Connecticut residency or the ability to relocate to Connecticut is required. The QST Technical Editor will provide leadership to the technical Amateur Radio community by developing and promulgating a vision of the state of the Amateur Radio art through the pages of QST.

"Qualifications:

"- Broad knowledge of and experience with Amateur

Radio and electronics.

"- Broad knowledge of and experience with the design and construction of Amateur Radio equipment, antennas and accessories.

"- Broad knowledge of and experience with Amateur Radio software.

"- A bachelor or graduate college degree, preferably in a technical field. Exceptional related work history can be substituted for a degree.

"- A minimum of three years of writing or editing experience.

"- Demonstrated ability to work effectively and productively with a variety of people.

"- Proficiency with Microsoft Office, especially Word and Excel.

"- An Amateur Extra class license."

Information for applying for a position with ARRL is at [www.arrl.org/employment-opportunities](http://www.arrl.org/employment-opportunities). Send your resume with transmittal letter via e-mail, or complete the application, print it out and mail it with your resume and transmittal letter to Monique Levesque, ARRL, 225 Main St, Newington, CT 06111. It may also be sent via fax to 860-594-0298. Include your salary history and salary requirements.

One perk of working for ARRL is the ability to operate W1AW during off hours!

**+++ Fed Employees can Support ARRL via Combined Federal Campaign +++**

"For the past 11 years, the US Office of Personnel Management has designated the ARRL as a participant in the Combined Federal Campaign (CFC). This campaign for federal government civilian employees, US Postal Service workers and members of the military has generated almost \$192,000 for ARRL programs since it first became an option for federal employees to donate to the League. The CFC provides an easy way to support the ARRL's effort to represent its members and all radio amateurs." (From the ARRL Letter.)



**Jim Weaver, K8JE**  
**Director, Great Lakes Division**  
**5065 Bethany Rd.**  
**Mason, OH 45040**

**Tel. 513-459-1661; e-mail K8JE@arrl.org**  
**ARRL: The reason Amateur Radio Is**  
**Members: The reason ARRL Is**

**GENERAL CLASS STARTING**

**NOVEMBER 7**

**FOR INFO CALL AL**

**330-549-3051**



# October 2012



	1          <b>Happy Birthday</b> WB8IBA	2          <b>Happy Birthday</b> K8JAA	3   <b>ARES Net</b> 8:30 P.M. 146.745	4	5   <b>WRARC</b> Net 9:00PM 145.270	6
7          <b>Happy Birthday</b> KD8ELY	8	9  <b>Eat'n Park</b> <b>Boardman</b> 8:30 A.M. <b>Ham</b> <b>Community</b> <b>Breakfast</b>	10	11	12  <b>WRARC</b> Net 9:00PM 145.270  <b>Haunted</b> <b>Hayride</b>	13    <b>Haunted</b> <b>Hayride</b>
14  <b>WRARC</b> <b>Board</b> <b>Meeting</b> 7:00P.M	15	16  <b>WRARC</b> <b>Meeting</b> 7:00P.M	17    <b>ITT</b> 6:30P.M.	18          <b>Happy Birthday</b> John P.	19  <b>WRARC</b> Net 9:00PM 145.270  <b>Haunted</b> <b>Hayride</b>	20    <b>Haunted</b> <b>Hayride</b>
21	22	23  <b>Breakfast</b> <b>Eat'n Park</b> <b>Boardman</b> 8:30 A.M.  <b>Happy Birthday</b> KD8HCQ	24          <b>Happy Birthday</b> KD8NXS	25	26  <b>WRARC</b> Net 9:00PM 145.270  <b>Haunted</b> <b>Hayride</b>	27    <b>Haunted</b> <b>Hayride</b>
28    <b>WaveBender</b> <b>Articles Due</b>	29	30	31   <b>HAPPY HALLOWEEN</b>	11/1          <b>Happy Birthday</b> Rose M.	11/2  <b>WRARC</b> Net 9:00PM 145.270  <b>Happy Birthday</b> KD8CGW	11/3