

The Wave Bender

September 2014



WRARC PREZ SEZ HI EVERYONE

We're finally drying out after our rainy and cool August. I'm looking forward to September, October, and our planned events. We still need more volunteers for these events. Please sign up at the meetings so we can make a good showing for our club.

Something new this year is PCARS' OSPOTA (Ohio State Parks on the Air) on September sixth from 12 noon to 8:00 P.M.. Steve KC8SOY is handling the planning of our participation in this event. He has put in a lot of time and effort to make it a success. I'm looking forward to going to Beaver Creek State Park and trying to make contacts with other Ohio parks. If you need any additional information, contact Steve or me. Everyone come out, join us and have some fun!



Please remember our Road Clean Up on Saturday, September twenty-seventh, 10:00 A.M.. Also, on October eleventh, the Walk to End Alzheimer's on the YSU campus. On October nineteenth Step Out, Walk to Stop Diabetes, at the Canfield Fair grounds. Sign up sheets will be available at our meetings, or you can call me at 330-782-8525.

That's it for now.
73, Roy KD8IJF

Remember: "Don't ask for an easier life, ask to be a stronger person." Josh Hinds



Officer's Meeting: September 8 7:00 P.M. At Eat 'n Park, 8051 Market St., Boardman

Regular Meeting: September 15, 6:00 P.M. at Davidson's, 3636 Canfield Rd. in Cornersburgh

Speaker: Dave Brett, KD8NZF

Topic: Digital Voice Communications

2014 Officers:

President:

Roy Haren, KD8IJF

kd8ijf@wrarc.net

VP:

Joe Wojtowicz W0JO

kd8rcc@wrarc.net

Secretary:

Kevin Stein, KD8NXS

kd8nxs@wrarc.net

Treasurer:

Maureen Stein, KD8NXS

kd8nxs@wrarc.net

Trustees:

Steve Fabry, KC8SOY

kc8soy@wrarc.net

Chris Monske, WF8U

kd8ely@wrarc.net

Harry Harker, KD8PQK

kd8pqk@wrarc.net

Appointed Positions:

Social:

Maureen Stein, KD8NXS

kd8nxs@wrarc.net

Publicity:

Joe Wojtowicz, W0JO

kd8rcc@wrarc.net

Newsletter/Web:

Jane Avnet K8JAA

k8jaa@wrarc.net

Facebook/Badges/logo Design:

John Fabry, KC8SPF

kc8spf@wrarc.net

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

WE NEED YOUR HELP!



WE NEED YOUR HELP! The next 2 months will be very busy for our club in terms of the number of events that are scheduled within a short period of time. Upcoming activities include:

Saturday, September 6, 2014 – Ohio State Parks On The Air
 Saturday, September 27, 2014 – WRARC Road Cleanup
 Saturday, October 11, 2014 - Walk To End Alzheimer's
 Sunday, October 19, 2014 – Step Out: Walk To Stop Diabetes

Your officers and trustees realize that your time is valuable and, due to family or job obligations, you may not be able to participate in every event. Al, AB8AA, informed me at our last club meeting that our club set a new milestone, in terms of total members, exceeding 65 members for the first time. We are all working diligently to increase that number as the more members we have, the more we can do, with less burden on everyone.

At the last club meeting, we passed sign-up sheets around for three of the above community service projects and, quite frankly, I was disappointed at the results. As our Past-President has said in the past, lack of participation by all members is the "death knell" for many organizations. A small number of the membership can't do all the work because they will soon burn out. We need everyone to help a little.

That said, we have 2 high-profile community events coming up in October. The Walk To End Alzheimer's and the Step Out: Walk To Stop Diabetes. I will be working to make sure that all the local media is aware of our participation, but we also need your help to be successful. If you are available to help with at least one or more of the above activities, please email me at W0JO@arrl.net and include the event(s) you can help, your name, call sign and best phone number to reach you. You can also reach me at 330-219-1423. If you get my voice mail, please leave a message and I'll call you back.

Over the past year, we set a new record for HAMS taking the license classes and becoming new members to the hobby/service, new members to our club, and a lot of great publicity. Let's keep that positive momentum going. Email or call me today. We welcome your participation.

73, Joe, VP/ W0JO

WHAT'S COMMING UP?

Sept. 6	OSPOTA - Beaver Creek State Park
Sept. 9	Board Meeting
Sept. 10	Tech. class - Contact Al 330-549-3051
Sept. 16	Meeting at Davidson's Speaker Dave Brett Topic: Digital Voice Communications
Sept. 27	Road Clean up- Semi-Annual Community Service Event
Oct. 11	Walk to end Alzheimer's
Oct. 14	Board Meeting
Oct. 19	Walk to Stop Diabetes
Oct. 21	Meeting at Davidson's Speaker Wes Boyd Topic: Local Radio History
Oct. 22	Testing at ITT - Contact Al 330-549-3051
Nov. 11	Board meeting
Nov. 18	Meeting At Davidson's Speaker Karen Conklin, from the Red Cross
Dec. 9	Board Meeting
Dec. 16	Meeting at Davidson's Speaker Ed Brannan; Topic; Terrorist Activities
Dec. 17	Testing at ITT - Contact Al 330-549-3051
Jan. 20	After the Holidays Annual Dinner/Meeting/Installation of officers



Join us for the WRARC Friday night Net 9:00 P.M.

145.270, PL -110.9

Upcoming Net Control Operators

Sept 5 Chris WT8U

Sept 12 Al AB8AA

Sept 19 Roy KD8JMO

Sept 26 Dave KC8WY

Oct 3 Noah N3DZH

Oct 10 Dennis KD8SNA

Oct 17 Joe W0JO

Oct 24 Ted KD8IJE

Oct 31 Jane K8JAA

Nov 7 Harry KD8PQK



**Contact Steve, KC8SOY to take a turn at Net Control
330-774-6346**

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

Mahoning County ARES® Nets

1st Monday 8.30 PM ET W8QLY Repeater - 146.745 (PL 110.9)

&

3rd Monday 8.30 PM ET W8QLY Repeater - 146.745 (PL 110.9)

We thank MVARA for the use of their repeater

W8SGT is facilitating The Ohio HF net every Tuesday - 7:00 PM

The net is run from the State of Ohio EOC on the

Ohio ARES Admin frequency 3875 kHz LSB

moves to 7240 Khz after 20-min.

All are welcome to check in.



**The Ohio ARES/OES Digital Emergency Net held every Tuesday at 8:00PM.
held on 3585 kHz USB.**

Please note all digital communications are Upper Side Band.

<http://www.http://ohden.org/> for net details. Net Manager Gary NJ8BB

COLUMBIANA COUNTY DIGITAL NET

Wednesdays 8:30 pm - 9:30 pm

145.510 MHZ SIMPLEX

**NBEMS/FLDIGI is being used training on the message handling
capabilities of FLDIGI/FLMSG. Start with BPSK-125 other modes may be used for testing**

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

Thanks & 73

All of our members (and others) look forward (hopefully) to getting this newsletter every month, so keep sending those articles, jokes, and suggestions!

Thanks goes out to this month's contributors; KD8IJE, AB8AA, W0JO, KC8SOY, KD8NZF, W8IZC, KD8HCQ, KD8IJF, W8KNO, KB8UUZ, N8SY, W5YI, the ARRL and the World-Wide Web.

2014 Walk to End Alzheimer's - Youngstown, OH

Saturday October 11, 2014 Add this event to your calendar

Registration at 8:30A.M. - Opening Ceremonies at 9:30A.M.

Route Length: 2 miles

WATTS Center - Youngstown State University

651 Elm Street, Youngstown, OH 44555

Contact Roy, KD8IJF, to Volunteer



http://act.alz.org/site/TR?fr_id=5340&pg=entry

STEP OUT | WALK TO STOP DIABETES

 American Diabetes Association.

2014 Step Out: Walk to Stop Diabetes

Sunday, October 19

Canfield Fair Grounds

Registration 8:00 A.M. - the walk begins at 10:00

just a 1.5 or 3 mile walk around the perimeter of the fairgrounds

Contact Roy, KD8IJF, to Volunteer

www.diabetes.org/stepoutcanfield

2014 Step Out: Walk to Stop Diabetes event in Canfield on Sunday, October 19, 2014 -- I would like to thank you for your involvement in the past and I am looking forward to having Western Reserve Amateur Radio Club help us out again this year.

We would need you there at 8:00 A.M. The walk actually begins at 10:00. If you would like to find more information the website for the event is www.diabetes.org/stepoutcanfield. The route will be very similar if not the same as last year, just a 1.5 or 3 mile walk around the perimeter of the fairgrounds.- *via email*



It's that time of year again for the Boardman Haunted Hay-ride sponsored by local 4-H. If you don't know about it, we go out in the woods to keep the bad people, that haunt/hide in the woods, away from the participants. Hot chocolate will be served. You will need:

- a charged HT with batteries
- coat (optional)
- chair (optional)
- longjohns (optional)
- gloves (optional)

We will meet at the Log Cabin around 5:30 or 6:00 P.M. We will go out into the woods around 6:30 P.M. We will be finished around 10:30 or 11:00 P.M. This event will take place in October on the following weekends: *Fri. 10. Sat. 11; Fir. 17 Sat 18; Fri. 24. Sat. 25.* There will be pumpkin carving on the first weekend for the little ones. Hope you have fun and we hope to see you there.

73, Bill Egan, KD8HCQ and KITTY.

Contact Bill to volunteer. By phone - HPhone 330-549-5754 or CPhone 330-565-4342 or email <popbottle@zoominternet.net> .**Who is Kitty?** *Kitty is Kitty, you need to come out to meet him, Bill can't say what or who he is. You have to see him for yourself -*

COMMUNITY SERVICE EVENT - WE NEED YOUR HELP

September 27 will be the Adopt a Highway Cleanup. Meet at Perkins, in Canfield, at 9:00 A.M. for breakfast, cleanup will start around 10. Will need 8 to 9 volunteers. Our cleanup area is just short of 2-miles.

Guide-lines for Highway Cleanup

What to wear

1. Dress for the weather
2. light colored clothes
3. a safety vest (supplied by ODOT)
4. work type shoes
5. heavy gloves
6. hat & long sleeved shirt
7. bring a bottle of drinking water
8. if you have a pick up device bring it

Parking your car:

1. a least 10 feet from traveled surface, we will park at the Mill Creek Metro Parks Farm on RT 46, across from the Canfield Fair Grounds.
2. cars along side highway should leave their 4 way flashers on.

Safety:

1. work facing traffic
2. work daylight hours only
3. before starting be sure signs are posted correctly
4. do not wear headset radios or tape players
5. do not pick up items from traveled portion of highway
6. do not pick up heavy objects
7. do not pick up roadkill

Other:

1. ODOT will provide trash bags
2. ODOT will provide safety vests (which must be returned)
3. ODOT will pick up filled trash bag after we are done

A complete copy of the Safety breifings will be available to each of you on Saturday, September 27, 2014. See you at Canfield Perkins that morning. This will be a good event for our enviornment and will be fun for all. We should be finished around 11:00 AM. Contact Roy, KD8IJF, for the rain date if it is raining and to Volunteer.



A woman runs a red traffic light and crashes into a man's car. Both of their cars are demolished, but amazingly, neither of them is hurt. After they crawl out of their cars, the woman says; "Wow, just look at our cars! There's nothing left, but fortunately we are unhurt. This must be a sign from God that we should meet and be friends and live together in peace for the rest of our days."

The man replies, "I agree with you completely. This must be a sign from God!"

The woman continues, "And look at this, here's another miracle. My car is completely demolished, but my bottle of wine didn't break. Surely God wants us to drink this wine and celebrate our good fortune." She then hands the bottle to the man.

The man nods his head in agreement, opens it, drinks half the bottle and then hands it back to the woman. The woman takes the bottle, immediately puts the cap back on, and hands it back to the man. The man asks, "Aren't you having any?"

The woman replies, "Nah, I think I'll just wait for the police."

Adam ate the apple, too. Men will never learn.....

NEW MONTHLY FEATURE: "MY SHACK"



We are considering adding another feature to our Wave Bender monthly newsletter titled, "MY SHACK." Basically, each month we will showcase one of our member's HAM Radio Shack with their list of equipment used, antenna(s), etc. It will be on a first-come, first-served basis, so that as the information comes in from our participating members, it will be published in chronological monthly order.

Also, we'd like our members to describe the modes and bands they work and comment on any unusual or extraordinary contact(s) they have had while on their radios. We will have a standard one-page form to complete for members who want to appear in "MY SHACK" and will also publish pictures (you take them) of your shack with your written permission.

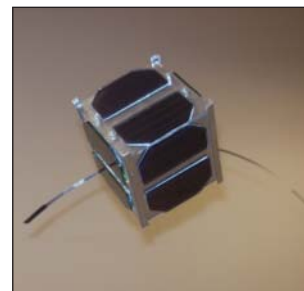
We feel this will help our newer members to see what other members are using so they can contact you with their questions (you can be their Elmer) and makeup their minds as to what equipment they would want to get for their shack and what modes/bands they would want to work.

Again, this will be dependent on our members' participation. If you think you would like to participate as a contributing member, please email me at W0JO@arrl.net, or call at 330-219-1423. Obviously, if we do not get enough interest, then we will not do this.

73, Joe, W0JO,
VP WRARC

ARLS004 CHASQUI-1 AMATEUR RADIO CUBE SAT DEPLOYED FROM ISS

A team of Russian cosmonauts has deployed the Peruvian Chasqui-1 Amateur Radio CubeSat into orbit during a spacewalk from the International Space Station (ISS). Expedition 40 Flight Engineers Alexander Skvortsov and Oleg Artemyev released the tiny, 1 kg spacecraft at 1423 UTC on August 18. Chasqui-1 is a project of the Peruvian National University of Engineering (Universidad Nacional de Ingenieria or UNI), in collaboration with the Southwestern State University in Kursk, Russia. According to AMSAT-UK, the CubeSat's batteries were charged last week. It was launched in February 2014 on board a Progress cargo craft.



Information about Chasqui-1 can be found on the web at, <http://www.chasqui.uni.edu.pe/eng.html>.

As Peru's first satellite, its main goal is improving UNI's satellite technology, its builders said. The satellite is intended to take pictures of Earth and relay them to the ground station. It carries two cameras, one operating in the visible light spectrum and the other in the infrared spectrum. Amateur Radio is a secondary payload.

Chasqui-1's beacon on 437.025 MHz (+/- 10 kHz Doppler shift) can transmit either 1200 bps AFSK AX.25 or 9600 bps GMSK. As of August 19, the beacon had not been heard.

Check this one too.

<http://www.arrl.org/news/more-amateur-radio-cubesats-released-into-orbit-from-iss-launched-from-japan>

**SUBMIT
AN ARTICLE**

Got an idea for an article? Want to share club news and events? How about writing a short project idea? Or a question for our Elmers? Or do you have a tip or trick you've learned that you can share? Or a picture of your 'Shack' with a short description? Your submissions to the Wave Bender are needed to help keep this one of the best club newsletters around.

WE NEED TO HEAR FROM YOU

It has come to my attention that the membership is not happy with the way things are being run. IF you are unhappy or are satisfied with the ways things are, please do us a favor and tell us. Us - being the board. You elected the board to run the club, not to make all the decisions about what is done. We as the board need to have input, be it good or bad, from any and all members.

The big question is, what do you want to see happen going forward? Is it workshops to build something, class on operating, class on antennas, or something else? There is a group of ELMERS that are here to help you with whatever you need (except money). Come to the meeting and approach one of the ELMERS with your problem. Get on the ELMERS net after the regular net and ask questions. "THE ONLY STUPID QUESTION IS THE ONE YOU DO NOT ASK." No one is going to laugh at any question. We are here to help you get up and running and enjoying the hobby/service of HAM Radio. I have been doing it for a long time and still find things that are new. The big thing is to have FUN with HAM Radio.



We are fast becoming the largest club in the valley. If you want it to be the best club in the valley, all you have to do is get involved. OSPOTA is coming in another week or so, I expect all of you to come out and get on the air. Check with Steve, KC8SOY, or with Chris, WF8U about what to bring. We will be having a cookout and whatever you bring. I'll get off my soap box.

73, Allan, AB8AA

 SEPTEMBER IS NATIONAL PREPAREDNESS MONTH


This is the first National Preparedness Month that will also include the America's PrepareAthon Fall Day of Action on September 30. We hope you will join us once again in this major annual campaign. You may find that you are already planning on doing something that qualifies as an AP event. We hope you will find our resources helpful and look forward to hearing about your activities during National Preparedness Month. We are hoping to promote private sector activities both internally and externally - including in our September newsletter. For more tips and information about NPM visit:

www.ready.gov/september -- FEMA <http://www.ready.gov/september>

"Be Disaster Aware, Take Action to Prepare"



My Yaesu FT-920, I'm asking \$800
 Chris, WF8U <kd8ely@gmail.com> or mastermix79@sbcglobal.net
 My phone number, just call or text 330-507-9567

Mosley CL-36-M 10, 15, 20 MTR BEAM antenna,	\$500
Mosley CL-33-M 10, 15, 20 MTR BEAM antenna,	\$400
Kenwood TS-711A, 2 Mtr All Mode,	\$450
Kenwood TS-811A, 440 Mhz All Mode,	\$530
Kenwood TS-450SAT, HF All Mode,	\$600
Misc tower parts, contact me if interested.	
Al, AB8AA 330-207-3296	

PCARS CW CLASS

Where: PCARS Club site in Ravenna
 When: Wednesdays, 1930 – 2030

I have been asked by about a dozen club members when/if/would I conduct another CW instruction class. Some of those members already are familiar with the Morse Code but want to get faster, and some know nothing.

I said I would consider it. Several months have passed with several more requests, so I will commence a class at the clubhouse September 3, 2014 as Part 1. For those that know no Morse Code or want to be refreshed the class first part of the class will require seven weeks. Using the previous requirements to pass the Amateur Radio Code Proficiency Exam there are 40 characters that the Amateur CW operator should know: 10 numerals (0-9), 26 alpha characters (a-z), and five punctuation symbols (period, question mark, comma, right slant bar, and the double dash).

I calculate the 8th week to be October 22 where Part 2 will commence showing and doing things to gain speed in copying CW.

Requirements:

* Eagerness to practice.

* A tool to practice randomly sent Morse Code characters using what is required for the week.

With today's technology the student shouldn't be hampered with a lack of an instrument to practice listening to CW as some of us were in the 70's and/or years before. We used a phonograph - that's a box with a motor that turns a platter with one long track that has ridges that transfer sound through a needle through electronic circuitry to provide a sound. Later, there were also tape recorders with a tape that had practice sequences of morse code to be listened to.

There are apps for smart phones and android phones; there are free software applications that run on Microsoft Windows, OS/X, and Linux/Unix operating systems. There are websites you can bring up on the Internet that will send practice CW to you.

** Bring scratch paper and pencil or pen for Part 1. Those items are optional for Part 2.*

Some classes with last from 30-45 minutes and some may only last about 25-30 minutes. I hope those that attend will have an enjoyable time. This class is not an attempt to receive 20 wpm or faster, but will be structured for you to copy at a speed faster than what you copy at now. Hope to see you in the class.

Terry, KB8AMZ@portcars.org
 hooked2u@neo.rr.com



 PCARS Cruise-In (STOLEN from PCARS newsletter)


We couldn't have had a better evening for the PCARS Cruise In. It turned out to be beautiful evening, not too hot and no rain. I have to admit, I was worried right up to that morning. The sign in sheet totaled up at 49, with a number of folks from other clubs showing up.

It was great to see some new faces and some new mobiles this year. Chris Monske, WF8U was voted won best install with his Volkswagen Beetle.



U.S. HOUSE BILL - HR 4969



Sponsor: Rep. Kinzinger, Adam [R-IL-16] (Introduced 06/25/2014)

Committees: House - Energy and Commerce

Latest Action: 06/25/2014 Referred to the House Committee on Energy and Commerce.

Introduced in House (06/25/2014)

Amateur Radio Parity Act of 2014 - Directs the Federal Communications Commission (FCC) to amend regulations concerning the height and dimensions of station antenna structures to prohibit a private land use restriction from applying to amateur service communications if the restriction precludes such communications, fails to accommodate such communications, or does not constitute the minimum practicable restriction on such communications to accomplish the legitimate purpose of the private entity seeking to enforce such restriction.

pose of the private entity seeking to enforce such restriction.

U.S. House Bill - HR 4969 has been introduced. This is the "Amateur Radio Parity Act of 2014" was introduced on June 25th at the request of the ARRL, which worked with House staffers to draft the proposed legislation. The bill's sponsor is Representative Adam Kinzinger (R-IL). It has initial co-sponsorship from Representative Joe Courtney (D-CT). If the measure passes the 113th Congress, it would require the FCC, within 120 days of the Bill's passage, to amend the Part 97 Amateur Service rules to apply PRB-1 coverage to include homeowners' association regulations and deed restrictions, often referred to as "covenants, conditions, and restrictions" (CC&Rs). Presently, PRB-1 only applies to state and local zoning laws and ordinances. If this Bill does pass, it will significantly change all CC&R's that restrict or prohibit Amateur Radio antenna's around the country. Now maybe it should be said that what this Bill will do is give the Amateur equal rights afforded us by PRB-1, that is to say "Reasonable Accommodations" would have to be granted the Amateur to be able to use his/her Amateur Radio station. This will not mean that if you live in a high rise condo that you can construct a large tower on the building, but what it will mean is that the HOA or governing body will have to give you some sort of "reasonable" accommodation to be able to use your amateur station and have an outdoor antenna. The League has a special area within their site just for HR-4969, go take a look.. <http://www.arrl.org/hr-4969>

2014 OHIO SECTION NEWSLETTER AWARDS RESULTS

Here's the results of the Twenty-Second Annual Ohio Section Newsletter Awards..

Honorary Mention..

- Monday Morning Message Alliance Amateur Radio Club - John Myers, KD8MQ editor
- Monday Morning Memo Highland Amateur Radio Association - John Levo, WA8KIW editor



Third Place..

- The QSO Marion Amateur Radio Club - Lynn Lovell, W8MLL editor
- NODXA Rag Northern Ohio DX Association - David Autry, WD8IOU editor

Second Place..

- The Radiogram Portage County Amateur Radio Service (PCARS) - Tom Parkinson, KB8UUZ editor

First Place..

- The Mike & Key Greater Cincinnati Amateur Radio Association - David Self, K8SSN editor..

Also..

The twentieth recipient of the **Allan Severson Award** was announced and it was none other than Frank J. Piper, KI8GW.

Jackie Piper, KC8ESO was given the Ohio Section Manager's "Special Recognition Award." In recognition for her many years of patience and understanding and willingness to put up with all of us that demanded time from her family.

THE OHIO SECTION LOGO

The Ohio Section Logo has been out for more than a year now and with it now starting to appear on more and more items I think now is a good time to let you all know that it's more than just a logo, it has a lot of symbolism built into it. It's truly the heart and soul of the Ohio Section. Yes, Amateur Radio is rich in traditions and symbolizations that we're all very proud of. So, it shouldn't surprise you to find out that the Ohio Section Logo also has a lot of symbolism in it as well.



Here are the real reasons for our Ohio Section Logo. And yes, this comes from the person who created the logo, so you can be sure of the symbolisms described are the true reasons for the logo. I know, I created it.

* First, we need to look at how the League Diamond is placed "proud" of everything else. Did you notice, the stem of the leaf isn't touching the diamond? This stands for the American Radio Relay League as our stand alone national organization. Proud and true to form. The one and only national organization that represents ALL amateur radio operators.

* The written "Ohio Section" just to the right of the League Diamond. It indicates that the Ohio Section is not only part of the League, but standing on the right side indicates that we are the "right hand" of the League. Ohio is proud to be not only a leader in the nation in new innovations, but we are also the largest of all the seventy-one Sections represented by the League.

* The five Buckeye leaves. This represents the five Assistant Section Managers that represent the five quadrants of our state. North-east, north-west, south-east, south-west and central.

* The green leaves represent the "green" polyester jacket that one of our most beloved Section Managers Joe Phillips, K8QOE always wore. He wore this jacket to every function that he attended. As Joe often reminded us, his jacket was like those of the "Masters' golf tournament. Only the best of the best ever got to wear this special jacket, and this represents the excellence in everything we do in Amateur Radio, and honors Joe for all of his hard work and dedication to not only Amateur Radio, but especially to the Ohio Section.

* The Buckeye in the shell. This represents the newest Amateurs. Those who haven't come out of their shells yet. If you notice, the shell is partially opened up. This signifies that the Buckeye has obtained his/her license, but just hasn't come out of their shell yet.

* The unshelled Buckeye. This represents the seasoned Amateur. Proud of his accomplishments and standing beside his newest candidate to be "Elmered."

* And finally the stem of the Buckeye leaf. It's long and straight symbolizing the very long history that the Ohio Section has enjoyed within the ARRL, dating back to Howard Storck 8BYN our first Section Manager in 1926 to the present.

Now you know, and hopefully understand that our logo symbolizes a great heritage that we are charged with keeping and assuring that it will continue on, and be passed along to future generations to come.

Be proud to display and/or wear this logo. It's truly Ohio's Amateur Radio heritage!!

ARRL Ohio Section
Section Manager: Scott D Yonally, N8SY
n8sy@arrl.org

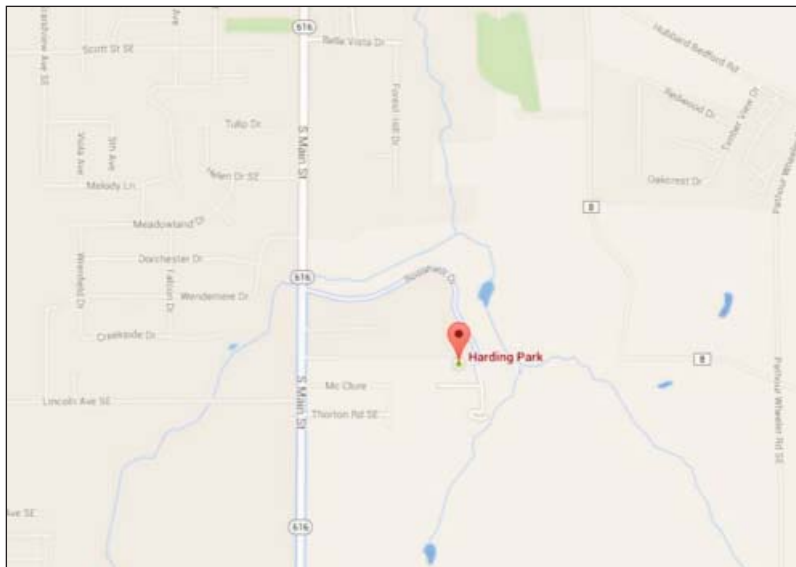
I loved this and think you will, too. A great loss.
Click here: Robin Williams as the American Flag - YouTube
https://www.youtube.com/watch?v=Q_L1vLv84vs

MAHONING COUNTY ARES/TRUMBULL COUNTY ARES/CRI JOINT EXERCISE SEPT 13, 2014.

Mahoning & Trumbull County ARES invites all interested Amateurs in the area to participate in a mass casualty exercise to be held September 13 at Harding Park in Hubbard.

The exercise is designed to train local Amateurs to assist Fire and Emergency personnel track movement of injured citizens during an emergency. This has been identified as an area for improvement and examples include:

- Victims transported to medical
- Facilities without the facility being notified.
- EOC not provided timely updates on location of victims and equipment.
- Families unable to discover location of injured relatives.



Volunteers are asked to gather at 8:30am at the Band Pavilion in the park. There will be a briefing between 8:30 and 9:00am. The exercise will commence at 9:00am and the goal is to be wrapped up by noon.

Amateurs are needed to be the communications operators at six locations in the park representing a hospital, a staging area for emergency equipment, three triage locations, and an EOC. Each point will also need a scribe that will rotate duties with the operator. The operators at the EOC will act as net control and we hope to have two nets operating. In previous exercises EMA and Fire personnel have advised there are never enough communicators at disasters so if there are enough volunteers, the exercise design also provides for teams to spell operators.

Our exercise date was chosen for its proximity to 9/11. With unrest in the world rising it is important for amateurs to remember our mandate in part 97 in "providing emergency communications." We hope you will join us on the 13th to practice those skills.

E-Mail Update - PLEASE

Seems that a number of people have been hit with e-mail virus stuff, or some of you moved, Some got the virus fixed, some said the heck with it and they got a new e-mail address or e-mail account. If you're part of that group, PLEASE send you current e-mail address into the WRARC Secretary - Kevin Stein <kd8nxs@wrarc.net> so he can get your up-to-date e-mail address on file. Nothing worse than sending out WRARC e-mails and later we hear "Well, I didn't get it....."

For example - if you did NOT get this newsletter by e-mail and you had to get it from the WRARC web site, chances are your e-mail address needs an update in the WRARC files.

A HISTORY OF ARES



As we celebrate one hundred years of the ARRL, we've reached a seminal moment in time when we are sparked to reflect on the past while looking to the future with a sense of inquiry and wonder. That has certainly been the theme of the ARRL's centennial celebration this year. QST has featured fascinating look-backs at pivotal points in the League's and Amateur Radio's history this year, with more to come. Continuing this theme, let's take a brief look at the role of Amateur Radio in public service, disaster, and emergency communications over the past hundred years.

In the early days, Amateur Radio and hams were considered irritations and nuisances to the "real" communicators - the commercial sector and the military. We were almost outlawed, and ultimately relegated to the "useless" frequencies of "200 meters and down." That was until it was demonstrated that we could actually be of use as a service. In 1913, college students/hams in Michigan and Ohio passed disaster messages when other means of communications were down in the aftermath of severe storms and flooding in that part of the country. A Department of Commerce bulletin followed, proposing a dedicated communications network of radio amateurs to serve during disasters. Five special licenses were reportedly issued. A magazine article noted that amateurs - who were once considered nuisances - were now considered to be essential auxiliary assets of the national public welfare.

The ARRL was formed in 1914, and disaster response communications as provided by radio amateurs became organized and useful. In 1920, Amateur Radio was used to help recover a stolen car, of all things! Soon, the use of Amateur Radio for natural disasters that we traditionally think of now emerged with hams active in deadly flooding in New Mexico and an ice storm in Minnesota.

More organization followed, with an "MoU" emerging with the American railroad system for Amateur Radio support when the railroad's wire lines were down: There was an ARRL Railroad Emergency Service Committee. There was even a Q-signal designated: QRR, a kind of land SOS.

More reports of disaster response communications provided by amateurs appeared in QST, much as they do here in this newsletter today. A major New England flood had amateurs supplying the only efficient means of communications from the devastated areas to the outside world, prompting the chairman of the Federal Radio Commission to say the future of radio depends on the amateurs.

Hams worked with the Burgess Battery Company for emergency radio power. Many of us old-timers including myself have used those batteries when we were kids for our crystal radio kits; they looked like tall, thick candle columns!

More organization followed, and traffic handling was recommended as the best way to gain discipline and proficiency to prepare for the efficiency and effectiveness needed in response communications situations.

ARRL Field Day was started to prepare amateurs for portable operation, as was necessary in disaster situations when commercial power and means of communications were down.

In 1935, the ARRL Emergency Corps was formed with the goal of having an Amateur Radio Emergency Station in every community -- a goal that remains just as urgent today as it did then! To wit, just look at today's emphasis on the neighborhood and community as "first responder" and on self-reliance in the post-disaster survival chain.

More "served agencies" emerged as potential partners, including the Red Cross. In 1936, major flooding across a 14-state region served as the ARRL Emergency Corps' first major testing, serving well, and solidifying Amateur Radio's status as a critical disaster response communications asset and public service. Communications operating protocols and the appointment of Emergency Coordinators followed.

Technical advances supported this evolution. Spark gap transmitters gave way to the vacuum tube, making portable operations more viable. Articles on portable transmitters and receivers appeared in QST. Exploration and experimentation in the VHF region also spurred more development of portable equipment. The development of the variable frequency oscillator or VFO, something that modern generations of hams take for

Continued page 13

ARES - CONTINUED FROM PAGE 12

granted, was at the time a liberating breakthrough offering more versatility and flexibility, and more efficiency of course in meeting the demands of a disaster response communications situation.

World War II meant a shut-down of Amateur Radio, but many hams joined the War Emergency Radio Service, which did provide some communications during the war period for natural disasters. After the war, the ARRL reconstituted its disaster response communications programs and networks, and the first Simulated Emergency Test was run in 1946.

The Cold War followed, and the Radio Amateur Civil Emergency Service (RACES) was formed by the government for civil defense (CD) purposes, the forerunner of the modern emergency management model that we know so well today.

Throughout the sixties and later up to today, the role, procedures, protocols, equipment and techniques of Amateur Radio in public service, disaster and emergency communications continue to evolve, ebb and flow. This evolution is fueled by advances in Amateur Radio technology and its application, lessons learned from each and every incident that involves amateur communications support. - K1CE, based on an excellent article by Gil McElroy, VE3PKD, that appeared in September 2007 QST -- QRR: The Beginnings of Amateur Radio Emergency Communications

Notable Events on the Timeline of Amateur Radio Disaster Communications

Far from an exhaustive list, here are a few events involving Amateur Radio communications support over the past hundred years that may help define our role over time and its evolution.

1906 - Radio amateur Barney Osborne, later W6US, provides emergency traffic handling during the San Francisco Earthquake and fire, according to family lore.

1913 - Hams provided emergency communications during Midwest storms and floods with spark gap transmitters and crystal receiver sets, as vacuum tubes wouldn't emerge until after World War I and 1919.

1916 - A national traffic relay system was organized to provide relay of messages cross-country, and 9XE in Illinois originated a message that was received in California in 55 minutes and on the East Coast an hour after that.

1926 -- The cover of the May issue of QST featured a drawing of a railroad engineer holding an ARRL radiogram with the caption reading "Amateurs Give Emergency Service for Railroads When Wires Are Down"

1920s - A motor provided emergency power to the plates of newly-invented vacuum tubes in a station of an "RM" - a "Radio Man" - during a Mississippi flood.

1925 - Amateur Radio provided the only communications (5 watts CW) during the failed rescue attempt of caver Floyd Collins.

1933 - Radio amateurs at W6BYF provided disaster communications for the Long Beach, California earthquake. Although his house was demolished, famous ham Don Wallace, W6AM, operated a portable station through his surviving extensive antenna farm with the help of the Navy in supporting the relief effort.

1935 - Predecessors to ARES established. ARRL had a vision of them in 1917.

1936 - The catastrophic floods of the northeast (from Maine through to the Ohio River valley) wrecked the ARRL HQ station in Hartford (along the Connecticut River), with Amateur Radio again providing support. Famous VHF pioneer and ARRL HQ staffer Ed Tilton, W1HDQ and his wife provided communications.

1937 - Dr. Joseph Vancheri, W8BWH, was a key relief communications asset, arranging for aid to refugees from the Johnstown floods.

Late 1930s - Commercial emergency Amateur Radio gear appeared and was advertised: an example was the battery-powered 50-S transmitter from Harvey Radio Laboratories of Brookline, Massachusetts.

Continued page 14

ARES - CONTINUED FROM PAGE 13

1948 - Flooding of Vanport, Washington, after the rupture of a Columbia River dike prompted an Amateur Radio Emergency Corps response under EC W7DIS, with amateurs using hand-held radios (walkie-talkies).

1957 - RACES was involved in providing communications support during the Malibu-Topanga Canyon (California) fires. Deputy Chief Radio Officer W6QJW operated under RACES tactical call sign CPT19 and controlled a net on 3995 kHz. The Gonset Communicator was an iconic Cold War/Civil Defense portable transceiver.

1964 - The Great Alaskan Earthquake hit Anchorage, drawing a massive amateur response in handling emergency and health-and-welfare traffic. It was the most powerful earthquake in North American history, and the second most powerful in recorded history of the world. There was sweeping destruction in the city and the region. George Hart, W1NJM, wrote about the amateur response in the July 1964 issue of QST: 314 Alaskan amateurs supported the disaster relief effort, with 1200 more from around the rest of the country actively supporting them. "KL7DVY reports he operated 20 hours on two meters, relaying messages from the Alaska Native Hospital to c.d. headquarters in Anchorage." See the August 2014 issue of QST, Public Service column, "Alaska Shield 2014."

1979 - Hurricanes Frederic and David wrought destruction on the Gulf Coast and East Coast, respectively. Amateur Radio support of relief efforts was in evidence in both cases.

That brings us up to the modern era and the emergence of the contemporary emergency management model. A few of the major events beginning in the eighties that come to mind are Hurricanes Gilbert (1988) and Hugo (1989), and the spate of four hurricanes in 2004 that affected us here in Florida extensively. Hurricane Andrew (1992) also wreaked incredible devastation in Florida. Hurricanes Katrina (2005) and Sandy (2012) were game-changers for emergency management thinking and policy for this country. Amateur Radio was extensively involved in all cases. And, of course, Amateur Radio was involved in the colossal relief effort in the aftermath of the 9/11 attacks.

[Much of the above was culled from an excellent presentation given at the ARRL Pacificon convention in San Ramon, California, 2010, by Bart Lee, K6VK, ARRL State Government Liaison, ARRL Volunteer Counsel, Historian and Archivist, California Historical Radio Society, and lecturer, Antique Wireless Society. A tip of the ARRL fedora to him. - K1CE]

From the ARRL E-letter

HAM RADIO PAYLOAD TO CIRCLE THE MOON

A lunar flyby with a ham radio payload transmitting JT65B mode on 145.990 MHz is expected to take place toward the end of this year, giving earthbound radio amateurs the opportunity to receive some otherworldly DX signals as the payload flies around the Moon.

China has announced plans to launch a lunar orbiter carrying a 14 kg battery-powered payload known as 4M-LXS, which was developed at LuxSpace. Signals from the Amateur Radio payload can be decoded using the free WJST software by Joe Taylor, K1JT.

The orbiter is one of the test models for Beijing's new lunar probe Chang'e-5, which will land on the moon, collect samples, and return to Earth. The launch, planned for 4th quarter 2014, is aimed at testing technologies that are vital for the success of the spacecraft. The orbiter will be launched into Lunar Transfer Orbit and then perform a lunar flyby before re-entering Earth's atmosphere after 9 days.

The orbiter, which arrived by air in Xichang, Sichuan, on Sunday, August 10, has been transported to the Xichang Satellite Launch Center. -- Thanks to AMSAT-UK



FEMA AND ARRL SIGN A MOA

FEMA and ARRL Sign Agreement; FEMA Administrator Calls Ham Radio "Resilient"

The ARRL and the Federal Emergency Management Agency (FEMA) have announced a Memorandum of Agreement (MOA) that will enhance cooperation between the League and FEMA in the area of disaster communication. FEMA Administrator Craig Fugate, KK4INZ, and ARRL President Kay Craigie, N3KN, signed the agreement July 18 during the ARRL National Centennial Convention at the Connecticut Convention Center in Hartford, Connecticut. "Radio is one of the most resilient communications technologies we have," Fugate said. "When the power is out and telecommunications are down, the Amateur Radio community can serve as a vital resource in support of emergency responders and survivors during a disaster. This MOA will strengthen FEMA's partnership with ARRL and build upon our work to expand emergency communications capabilities and the use of Amateur Radio in emergency management." Complete report.

The ARRL and the Federal Emergency Management Agency (FEMA) have announced a Memorandum of Agreement (MOA) that will enhance cooperation between the League and FEMA in the area of disaster communication. FEMA Administrator Craig Fugate, KK4INZ, and ARRL President Kay Craigie, N3KN, signed the agreement July 18 during the ARRL National Centennial Convention at the Connecticut Convention Center in Hartford, Connecticut.



"Radio is one of the most resilient communications technologies we have," Fugate said. "When the power is out and telecommunications are down, the Amateur Radio community can serve as a vital resource in support of emergency responders and survivors during a disaster. This MOA will strengthen FEMA's partnership with ARRL and build upon our work to expand emergency communications capabilities and the use of Amateur Radio in emergency management."

The new agreement will allow FEMA and ARRL to work together to provide resources, services and personnel, as available, in order to strengthen capacity in areas of emergency communications, mass care and emergency assistance, disaster preparedness, response and recovery, while also raising public awareness about the use of Amateur Radio as a public safety resource. The pact also outlines the ways in which FEMA and ARRL will cooperate to carry out their respective responsibilities, with respect to disaster mitigation, preparedness, response and recovery operations in the event of a natural or man-made disaster.

Craigie said that from radio's earliest days of experimentation to the present, ham radio volunteers have combined a passion for technology with a devotion to assisting agencies that respond to disasters. "This combination of inventiveness and service has saved lives for a century," she said. "We look forward to working with FEMA to further develop opportunities for trained, equipped and prepared amateur radio operators to serve the public interest whenever and wherever disasters affect our country and its communities."

Fugate echoed his afternoon remarks as the keynote speaker at the ARRL National Centennial Convention Banquet Friday evening. He said that before he even became FEMA administrator, it became clear to him that Amateur Radio could support ad hoc and innovative communication without relying on conventional telecommunication systems.

"The more sophisticated our systems become, the more fragile they become," he told the gathering of some 800 dinner guests. He again emphasized the need for resiliency in communication systems, and asked, "How many public safety networks can come close to ham radio's bandwidth?"

"The relevancy of ham radio only grows," asserted Fugate, who just upgraded to General class. "Amateur Radio is taking that hobby and turning it into saving lives."

After Fugate's talk, President Craigie presented him with the ARRL Medal of Honor.

The ARRL National Centennial Convention heads into its third and final day on Saturday. The event has attracted some 3000 visitors from around the US and the world.

RADIOSPORT AND ENGINEERING AT THE OLYMPICS OF HAM RADIO

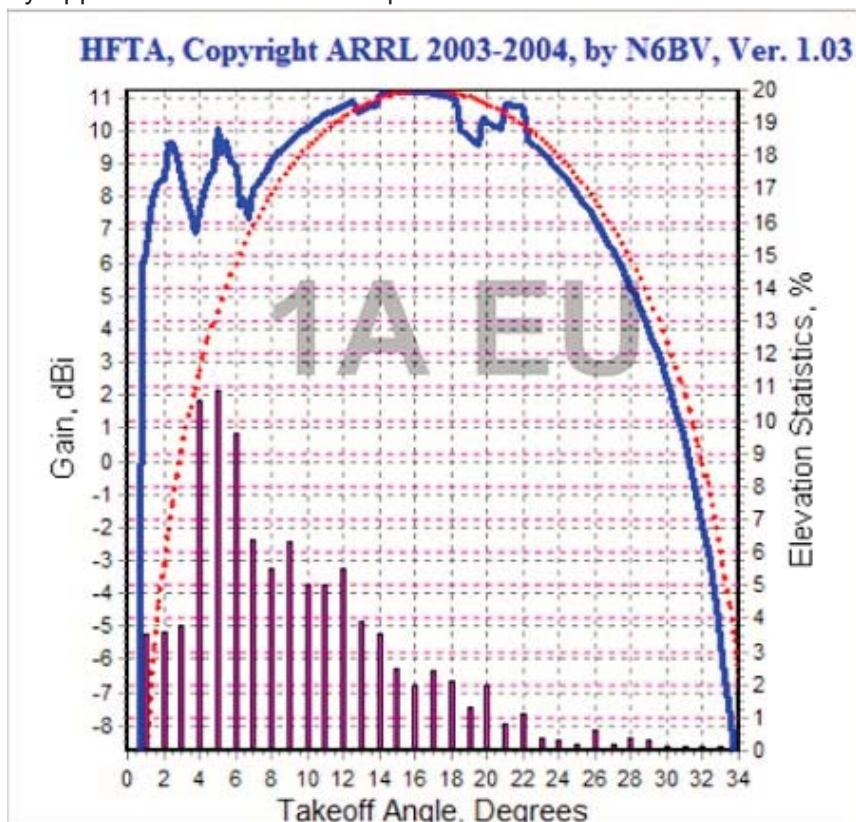
Doug Grant -August 19, 2014 - I had the privilege of organizing the Seventh World Radiosport Team Championship event last month (see <http://www.wrtc2014.org/> for more info, or listen to the coverage on WBUR's "Only a Game" NPR program <<http://onlyagame.wbur.org/2014/08/09/wrtc-radiosport-ham-radio>>). Many call this competition the "Olympics of Ham Radio."

This event involved inviting the world's best operators to the same geographic area (in this case, the Boston area), and setting them up with identical stations to create a level playing field. In other radiosport competitions, the contestants usually try to operate from locations with advantageous HF propagation in rare countries, with favorable local terrain (hilltops instead of valleys) and use the biggest antenna systems they can install and maximum power. However, for this event we wanted to test operating skill and had to remove all the other variables.

Levelling the playing field was a big challenge. There were 59 teams invited, so we had to find 59 "equal" locations (plus a few spares) that offered each team a location with equal HF propagation characteristics. Identical antennas were installed at each site, and a power monitor was installed to verify that all stations used 100 watts maximum power. But local terrain varies considerably in New England.

We used a variety of tools to select sites. First, we visited each site to confirm that there were no hills blocking important directions – in this competition, there is a premium on contacts with stations outside the country, and Europe has the highest concentration of hams. In addition, we looked for obstructions in the direction of the rest of the United States. Some sites were eliminated for being too high above average terrain, which would give an advantage. We also listened with mobile and portable radios to verify that there were no local sources of power-line or other man-made noise.

We then used a tool called HFTA (High Frequency Terrain Assessment) to evaluate the effect of local terrain at each proposed site for its effect on HF signal takeoff angle for the exact antenna configuration we would use. This yielded some surprises and eliminated some sites based on the impact of hills and sloping terrain not readily apparent from a visual inspection.



HFTA Terrain analysis comparing vertical radiation angle towards Europe including terrain effects at one site with same antenna over ideal flat ground.

But HFTA is just a model. We took the process one step further. During one radiosport event on 2012 and one in 2013, we installed stations at most of the proposed sites and tested the sites on the air. At certain times, we directed all of the stations to point the antennas in the same direction and operate on the same frequency band for 10 minute test periods. We gathered signal-strength data from specially equipped receiving sites in Europe and the U.S. on the Reverse Beacon Network. This is a network of stations that have wideband receivers with automatic Morse Code decoders, and report every signal they can decode with the received signal-to-noise ratio. This gave us a large data set to analyze for outliers, and to compare against the HFTA model ... more than 200,000 data points!

The data was interesting. In some cases the actual received signals correlated well with the predictions (Station A modeled "better" than Station "B", and A was indeed louder than B). However, there was con-

Continued page 17

RADIOSPORT - CONTINUED FROM PAGE 16

siderable scatter in the data, but it was all contained in a band about the same width as the model band (about +/-1.5dB about the mean).



In the end, the results showed very low correlation with the site models as we had hoped. The winning station was almost exactly in the middle of the pack from an RF performance standpoint, i.e., they had no advantage due to location but simply were the better operators.

WRTC2014 winning team (N6MJ and KL9A) at work (photo courtesy Nodir Tursoon-Zadeh) <http://www.edn.com/electronics-blogs/a-ham-s-eye-view/4433480/Radiosport-and-Engineering-at-the-Olympics-of-Ham-Radio>

PAPER CHASE



I have been writing this article for more than nine years. It is rare that anyone even acknowledges they read the article. However, this month John, W8ZL, showed me a certificate that he received from K0WAR. The certificate was presented by the Wings Over the Rockies Air & Space Museum. It is one of the best certificates I have seen in a while and I am sharing it with all of you. For your information, John did not have to send anything to obtain the certificate. It was sent to everyone who worked K0WAR. Remember you have to get on the air and make contacts to receive anything like this. John, congratulations.

If you are willing to pay for a certificate, "Route 66 On The Air" will be active from the 6th through the 14th. I mention "pay" because the first year of the special event, a trial run, for the 100th anniversary of Route 66, it was sponsored by the Northern Arizona DX Association and no monies were required to cover the expenses of the certificate or mailing costs. There was such a large response, if it had not been for donations from club members and sponsors, the club would have been bankrupt. Thankfully the event lives on!

The Route 66 On The Air Special Event participating stations are likely to be found somewhere in the vicinity of the following frequencies.

	80M	40M	30M	20M	17M	15M	12M	10M	6M
CW	3.533	7.033	10.110	14.033	18.080	21.033	24.900	28.033	50.033
SSB	3.866	7.266	N/A	14.266	18.164	21.366	24.966	28.466	50.166
DIG	3.580	7.070	10.140	14.070	18.100	21.070	24.920	28.120	N/A

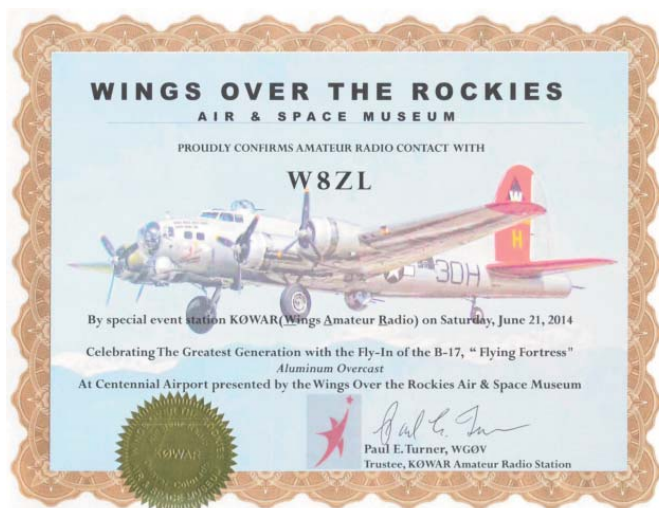
This year the call signs will be W6A through W6U, Pontiac, Illinois is a new location.

If you desire a certificate, you must work at least ONE of the participating Route 66 On The Air stations in order to request it. Fill out the certificate application and mail it with \$4.00 to:

CBARC Route 66 Certificate
P.O. Box 3788
San Bernardino, CA 92413

The certificate can be found at:
<http://www.w6jbt.org/2013site/certificate-request-guide-lines/>

I'll listening for you,
Joe - W8KNO



THE TOP 5 SIGNS THAT VIDEO YOU'RE ABOUT TO SHARE IS A SCAM

The Top 5 Signs That Video You're About to Share Is a Scam How to avoid social media clickjacking scams
By David Emery Urban Legends Expert

All the major social media platforms are rife with "clickjacking" scams which use bait-and-switch tactics to lure users to external websites where they're asked to take marketing surveys and/or download questionable apps. Often by the time people realize they've been tricked, it's too late -- they've already spammed their friends by sharing the post and filled out a pointless survey, only to discover that the promised video doesn't exist or is about something completely different from what they were led to expect. Worst case scenario, they've unwittingly downloaded malicious software to their computers. Look for these signs to detect this type of scam before it's too late...

1. *The Post Promotes Provocative, Lurid, Even Offensive Content*

Usually preceded by screaming parentheticals on the order of "BREAKING NEWS," "SHOCKING VIDEO," "YOU WON'T BELIEVE THIS," or "WHAT A HORROR," most scam posts use macabre, prurient, sensationalized content to catch readers' attention and persuade them to click. Typical subject matter includes celebrity deaths, horrible accidents and catastrophes, grotesque medical conditions, and purportedly supernatural events. Here are some actual examples of "scambait" headlines (don't worry, the following links go to articles about the scams, not the scams themselves):

1. [SHOCKING VIDEO] You Won't Believe What This Pregnant Girl Does!
BREAKING NEWS: Hijacker Video of Malaysia Airlines Flight MH370
Girl Killed Herself Live on Cam Just After Dad Seen Her While Doing This

2. *The Link Has a Funky URL*

It's always a good idea to check the URL (web address) of any link you're about to click. Compare it to the purported source of the content and make sure it's the same. For example, if the post supposedly links to a news story from CNN or Fox News, check to see if "CNN.com" or "FoxNews.com" is in the URL. If it isn't, don't click! Also be wary of garbled, misspelled, or downright bizarre URLs such as "NewzyPheedList.com," "Hot-BootyVideos.cz," "BreekingNews.ph," or "Mxfgcv.biz," etc.

3. *The Link Takes You to a Web Page That Looks Like Facebook, But Isn't*

If you've been incautious enough to click on one of these links, the next thing that would typically happen is you'd be redirected to an external website that's been phoned up so it looks like you're still on, say, Facebook, but in reality you're not (again, it's a good idea to check the URL for a clue as to where you've actually landed). The scammers want you to feel safe, like you're on familiar territory, because the next thing they want you to do isn't safe. They want you to share content you haven't been allowed to see yet.

4. *You're Required to Share the Video Before You Can View It*

Before you comply with this instruction, ask yourself whether it makes sense for any legitimate promo to require you to share content before you get to see it. More importantly, ask yourself whether you really want to become a scammer's accomplice, because that, in essence, is what you would become. When you click "Share This Video," you cause the same post that lured you this far to appear not only on your own timeline, but on all your friends' news feeds as well, exposing that many more people to the scam. Even if you're not sure it's a scam, do you really want to take that chance?

5. *You're Prompted to Complete a Marketing Survey and/or Download Software*

If you've clicked through this far, we're no longer talking about a video you're about to share, but rather one you have already shared and will probably soon regret sharing (e.g., when your friends figure out you're responsible for the scam post that has appeared on their page). The next action you take will determine whether or not you've been successfully scammed. If you're prompted to take an online survey and you do so, you've been successfully scammed, because that is how the scammers make their money. If you're prompted to download an app or special software and you do so, you've been successfully scammed, because frequently these downloads contain malware or can compromise the security of your social media accounts. Don't do it!



FROM THE GREAT LAKES DIVISION DIRECTOR

A Special Note from Dale..

Greetings Everyone,

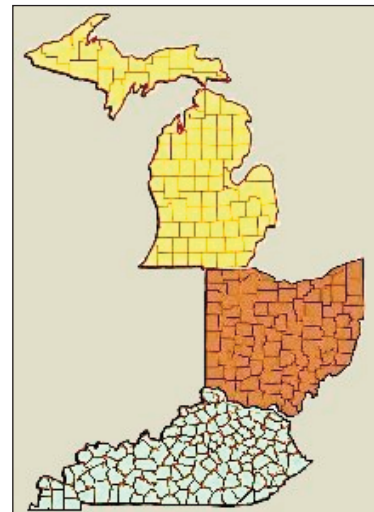
As you are now aware, Jim Weaver K8JE has announced his retirement as Director of the ARRL Great Lakes Division. Jim's transition became effective at 12:01 Pm on July 7th. Having served with him for the past 4 years as your Vice Director, I can report that his interests have been truly dedicated to the hams in this Division, the ARRL and all ham operators in general.

I certainly wish to express my personal thanks to Jim for the 12 years he has devoted to his leadership, working selflessly for all of us in the Great Lakes Division and the entire ARRL. As one would expect, Jim has offered his services for any special needs or projects where his talents would be useful.

And now this personal note: I certainly wish to extend the very best wishes to Jim and to Mara as this "retirement" frees them to travel and enjoy family and friends and maybe get in a little radio operating time.

A Sincere 73, Jim and Mara, enjoy it all.

Dale WA8EFK



Dear Fellow GLD member or visitor,

As it does each year, summer has come to an end. Ask any student in grade or high school and they will say it ended the first day they returned to school. For radio amateurs, the time has come to plan those last-minute antenna updates. I said, plan, not do. I adhere to the second corollary to Chisholm's first law of human interaction (or some such law) that says the worse the weather is when antenna work is done, the longer the antenna will stay up. I have to admit, though, that the way the weather has been around my part of the US the past several weeks, I am beginning to wonder if there is any such phenomena as truly bad weather any longer.

In my previous message, I stressed that the existence of a fully-functional ARRL is critical to the continued existence of Amateur Radio. I noted that this is true of all phases of hamming, regardless of how one uses the benefits that come with an Amateur Radio license. This is just as true for the amateur who enjoys nothing more than using a VHF/UHF HT as it is for the hot contester or DXer with a huge antenna farm that covers all amateur bands. Without ARRL, there would be no Amateur Radio -- there would be no DXing, no contesting, no rag chewing, no public service communications . . . no using a UHF/VHF mobile or HT to keep in touch with home or someone else.

Every ham operator owes his ability to obtain an Amateur Radio license to the work ARRL does to represent our great avocation before the US FCC, NTIA and Congress, and before the UN's International Telecommunications Union (ITU) agency. The strength of ARRL in representing the best interest of Amateur Radio and radio amateurs relates to the number of amateurs who belong to it and who actively participate in its affairs. Although it is impossible to know for certain, it is estimated that only 50% of people who hold valid FCC Amateur Radio licenses are active in hamming in one way or another. Of these, approximately 50% belong to ARRL. The question raised by the latter figure is why don't more active hams support ARRL?

I am certain there are several answers to this question. There are amateurs who have no understanding of the benefit ARRL brings to them and their ability to hold and activate amateur licenses. There are some who are angry with ARRL because of an action it took twenty or more years ago -- e.g. supporting incentive licensing - - and are trying to "show" the League the error of its ways. There are people who don't like something about the new, digital version of QST -- the way it displays, whether they can save it to a notebook to read it while travelling or something else. There are some who do not like the way listings in the Repeater Directory are laid out (they are laid out precisely in the manner the several repeater councils provide the information). Some think the League devotes too much effort toward DXing or to contesting or to EmComm, or to technical issues or to (please insert your pet peeve here) and refuse to join.

To be fully honest with you, every reason for refusing to join ARRL that I have heard throughout

Continued page 20

DALE - CONTINUED FROM PAGE 19

the 10 years during which I've been Director of this Division are pretty darned lame compared with the great benefit the League offers to all amateurs -- the ability to be Amateur Radio operators and get on the air.

To be fully honest, again, the ultimate fact is that not everything ARRL leadership does makes me totally happy. This leadership includes those of us who have served and are currently serving on the Board. This ultimate fact of course is the result that we each are individuals who have our own thoughts, our own likes and our own dislikes. Even so, I think ARRL over the decades has done and continues to do a pretty good job of protecting and growing Amateur Radio.

If you find an organization that is, indeed, more capable of providing protection and support for Amateur Radio in the US and worldwide than ARRL, join it; support it. Until an organization that runs rings around the League in performing its duties toward Amateur Radio and our fellow hams shows up, wouldn't it be the wise thing to do to support the only organization that is doing the job now and that has the ability to continue to do the job many years into the future?

73, get on the air and enjoy the FCC license
that ARRL has made it possible for you to have.
Dale, WA8EFK

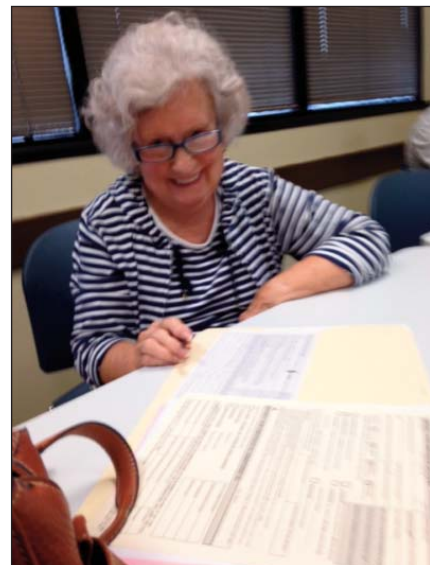
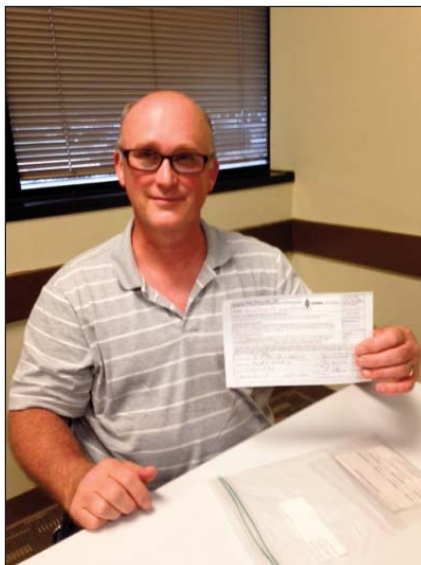
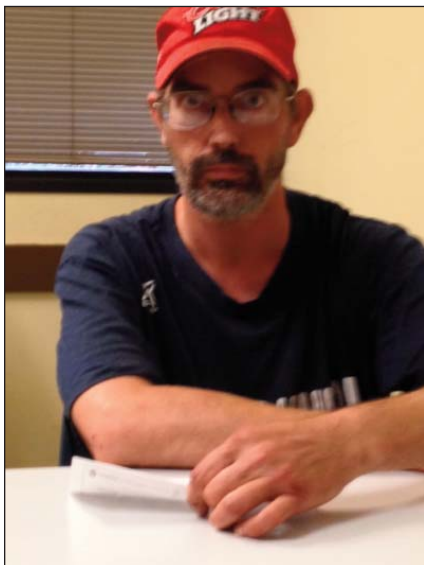


AUGUST TEST SESSION RESULTS

The August 20 test session went off in spite of torrential rains. We had four brave Hams who braved that rainy Wednesday evening, to come out and either upgrade or get licensed for the first time.

- Daniel Mikelson, KD8ZJP, is a new Technician. Welcome to the Service/Hobby. Daniel is from Colorado, and is working locally.
- Harold "Howie" Mellott KD8ZFA upgraded to General, congratulations. Harold got mentioned on one of the Ham re-mailers "Would like to WAY-TO-GO Howie Mellott - KD8ZFA for obtaining his General ticket." Welcome to the land of HF - Larry, AB8LS" (ovhams@yahoo.com).
- Shirley Boles KD8SSB is now an Extra! Congratulations!! Shirley told me she has received all three of her licences testing with our group. Again, Congratulations to you all, it was a privilege.

Our VEs (group) were: Contact VE, Allan Avnet, AB8AA; Dave Beaty, KC8WY; Jane Avnet, K8JAA; Pete Finamore, N8XOE; Stan Adamski, KB3WPS; Dave Brett, KD8NZF; photographer, Wes Boyd, WIIZC; newcomer Nancy Brett, KD8QNY who was learning the 'ropes' and just sat in. Thanks to all of you for your help! It is much appreciated!



ARDUINO FOR HAM RADIO



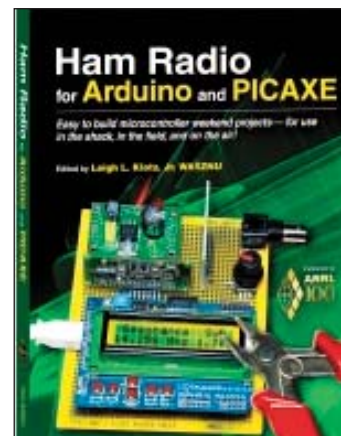
Arduino Microcontroller Projects You Can Build Today!
Where Ham Radio Meets Open-Source Electronics

The Arduino has become widely popular among hobbyists and ham radio operators. Hams are exploring these powerful, inexpensive microcontrollers, creating new projects and amateur station gear. With its Open Source model, the Arduino community freely shares software and hardware designs, making projects easier to build and modify.

Arduino for Ham Radio introduces you to the exciting world of microcontrollers and Open Source hardware and software. It starts by building a solid foundation through descriptions of various Arduino boards and add-on components, followed by a collection of ham radio-related practical projects. Beginning with simple designs and concepts and gradually increasing in complexity and functionality, there is something here for everyone. Projects can be built quickly and used as-is, or they can be expanded and enhanced with your own personal touches.

Projects:

Random Code Practice Generator
CW Beacon and Foxhunt Keyer
Fan Speed Controller
Digital Compass
Weather Station
RF Probe with LED Bar Graph
Solar Battery Charge Monitor
On-Air Indicator
Talking SWR Meter
Talking GPS/UTC Time/Grid Square Indicator
Iambic Keyer
Waveform Generator
PS/2 CW Keyboard
Field Day Satellite Tracker
Azimuth/Elevation Rotator Controller
CW Decoder
Lightning Detector
CDE/Hy-Gain Rotator Controllers



Product Details

Softcover: 352 pages

Publisher: The American Radio Relay League, Inc.; First Edition (August 2014)

Language: English

ISBN: 978-1-62595-016-1

Product Dimensions: 8 3/16 x 10 7/8 inches

Shipping Weight: 1.70 pounds

Special Member Price! Only \$29.95 (regular \$34.95)

THINKING ON YOUR FEET

Sometimes survival is nothing more than an ability to think on your feet. A man in a Florida supermarket tries to buy half a head of lettuce. The young produce assistant tells him that they sell only whole heads of lettuce.

The man persists and asks to see the manager. The boy says he'll ask his manager about it.

Walking into the back room, the boy said to his manager, 'Some asshole wants to buy half a head of lettuce.'

As he finished his sentence, he turned to find the man standing right behind him, so he added, 'And this gentleman has kindly offered to buy the other half.'

FROM MY EMAILS

An Obituary printed in the London Times.....Absolutely Dead Brilliant!!

Today we mourn the passing of a beloved old friend, Common Sense, who has been with us for many years. No one knows for sure how old he was, since his birth records were long ago lost in bureaucratic red tape. He will be remembered as having cultivated such valuable lessons as:

- Knowing when to come in out of the rain;
- Why the early bird gets the worm;
- Life isn't always fair;
- And maybe it was my fault.

Common Sense lived by simple, sound financial policies (don't spend more than you can earn) and reliable strategies (adults, not children, are in charge).

His health began to deteriorate rapidly when well-intentioned but overbearing regulations were set in place. Reports of a 6-year-old boy charged with sexual harassment for kissing a classmate; teens suspended from school for using mouthwash after lunch; and a teacher fired for reprimanding an unruly student, only worsened his condition.

Common Sense lost ground when parents attacked teachers for doing the job that they themselves had failed to do in disciplining their unruly children.

It declined even further when schools were required to get parental consent to administer sun lotion or an aspirin to a student; but could not inform parents when a student became pregnant and wanted to have an abortion.

Common Sense lost the will to live as the churches became businesses; and criminals received better treatment than their victims.

Common Sense took a beating when you couldn't defend yourself from a burglar in your own home and the burglar could sue you for assault.

Common Sense finally gave up the will to live, after a woman failed to realize that a steaming cup of coffee was hot. She spilled a little in her lap, and was promptly awarded a huge settlement.

Common Sense was preceded in death,
 -by his parents, Truth and Trust,
 -by his wife, Discretion,
 -by his daughter, Responsibility,
 -and by his son, Reason.

He is survived by his 5 stepbrothers;

- I Know My Rights
- I Want It Now
- Someone Else Is To Blame
- I'm A Victim
- Pay me for Doing Nothing

Not many attended his funeral because so few realized he was gone. If you still remember him, vote in November. If not, join the majority and do nothing.



This film was made in 48 hours for 48hfp Mumbai 2013, and went on to win 5 awards -
<http://youtu.be/nr4WvKBcXSA>

Here are the three Morse code training programs that I like. They are all free downloads.

- Start here to learn Morse Code <http://www.g4fon.net/CW%20Trainer.htm>
- Great contest simulator <http://www.dxatlas.com/MorseRunner/>
- Build your speed. <http://www.rufzxp.net/>

73 de Bill WB9LBI

Hummm? - www.youtube.com/embed/G06xdAEYcjM?rel=0

WHAT AISLE IS THE POLISH SAUSAGE IN?

Everyone seems to be in such a hurry to scream 'prejudism' these days.....

A customer asked, "In what aisle can I find the Polish sausage?"

The clerk asks, "Are you Polish?"

The guy, clearly offended, says, "Yes I am. But let me ask you something.

If I had asked for Italian sausage, would you ask me if I was Italian?

Or if I had asked for German Bratwurst, would you ask me if I was German?

Or if I asked for a kosher hot dog would you ask me if I was Jewish?

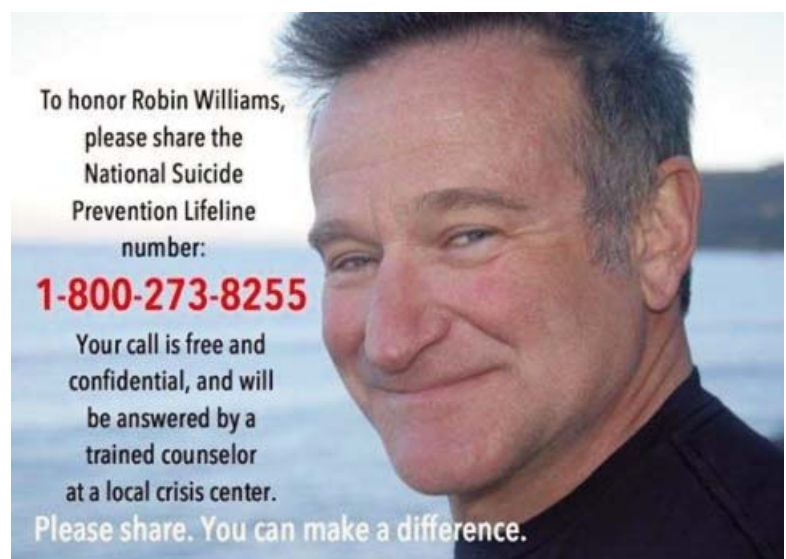
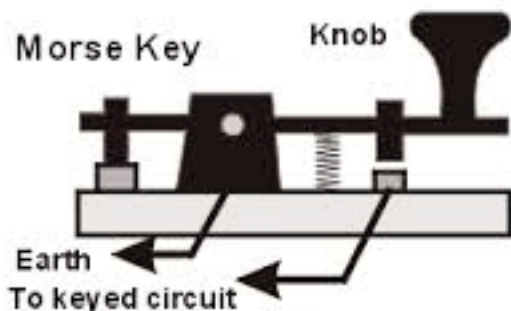
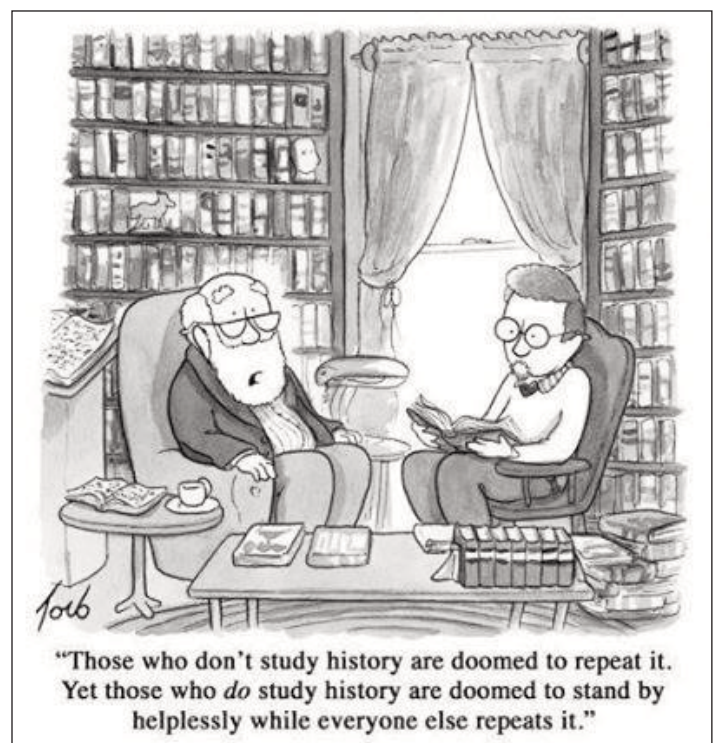
Or if I had asked for a Taco, would you ask if I was Mexican?

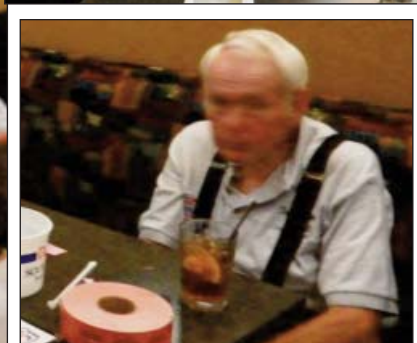
Or if I asked for some Irish whiskey, would you ask if I was Irish?"

The clerk says, "No, I probably wouldn't."

The guy says, "Well then, because I asked for Polish sausage, why did you ask me if I'm Polish?"

The clerk replied, "Because you're in Home Depot."





September 2014



SEPTEMBER IS 2014 NATIONAL PREPAREDNESS MONTH

	1 Labor Day	2 Happy Birthday K8NI	3 Skywarn Net 8:30 P.M. 146.745 Happy Birthday KC8CTM	4 Eat an Extra Dessert Day	5 WRARC Net 9:00PM 145.270 Elmers Net right after	6
7	8 Happy Birthday KA8SEI	9 Ham Breakfast Eat'n Park Boardman 8:30 A.M. Board Meeting Eat'n Park Boardman 7:00 P.M.	10 Tech. Class @ ITT	11 Patriot Day	12 WRARC Net 9:00PM 145.270 Elmers Net right after	13
14	15	16 WRARC Meeting 7:00P.M	17 Tech. Class @ ITT	18 Happy Birthday KC8SPF	19 WRARC Net 145.270 Elmers Net right after Happy Birthday WA8GLF	20 Happy Birthday KD8YMM
21 Happy Birthday KC8UNR	22 Fall Begins	23 Eat'n Park Boardman 8:30 A.M. Ham Community Breakfast	24 Tech. Class @ ITT	25	26 WRARC Net 9:00PM 145.270 Elmers Net right after	27 Road Cleanup
28 Wave Bender Articles Deadline	29	30			WRARC Net 9:00PM 145.270 Elmers Net right after	