



The Spirit of '76 and '88

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Newsletter of the Lake Erie Amateur Radio Association

Editor: Joe Prokop KC8RAN

Publisher: Jeannie St. Marie, KC8MNW

This Month's Meeting — September 26, 2006

Geocaching

Dimitri's Restaurant

Snow and Broadview Rds.

Dinner 6:30 PM, Program Begins at 7:30 PM

Geocaching...what's that? If you own a GPS and you only think it's for getting around then bring it with you to learn what else you can use it for. You'll see what it's all about, where to go and what to look for. With over 300,000 hides in 222 countries, you'll have a whole new hobby to explore and enjoy.

Peter Greene, N8WGE and fellow cachers will be at this month's meeting to share all they know about this 24/7 Fox-hunting style hobby that everyone in the family can get into. Bring your GPS to learn about the sport where *You* are the search engine!

A note about dinner: Effective with the September meeting, dinner will cost \$16.

The meeting will be held at Dimitri's Restaurant, 1830 Snow Rd., Parma, Ohio (in the Mid-Town Shopping Center, just west of Broadview Road). Dinner will be served at 6:30 PM and the formal meeting will begin at 7:30 PM. Meetings are open to all interested persons. You may attend without eating, but reservations are required if you do wish to eat.

Restaurant service is available only for those who purchase dinner. If you are attending the meeting only, kindly purchase beverages at the bar and bring them to your table.

The dinner menu will consist of Steak, Broiled Boston Scrod, or Chicken Parmigiana for **\$16**. Also available is a vegetable and pasta dish for those who prefer a meatless dinner. The dinner includes a salad, main course, dessert, ice tea or coffee, and gratuity (please note, bar service and soft drinks are not included).

RESERVATIONS ARE REQUIRED BY 11:00 AM OF THE MEETING DATE. Please call in your reservation and your menu choice to Marv Grossman, W8AZO, at 440-248-0031. You can also visit leara.org and make your reservation through the club's website.

September 2006

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Eric Jessen License Trustee	N8AUC 440-734-3146

TRUSTEES

Mike Cegelski	K8EHP
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TRUSTEES EMERITUS

Al Amster	W8HYG
Fred Collins	W8ADW(SK)
Pat Shreve	W8GRG (SK)
Al Severson	AB8P (SK)

POINTS OF CONTACT

Don Raith "Sunshine"	N8DJG 216-921-7546
Ray Bayun Radio Officer	N8NAP 146.76/R
Bryan Torok Radio Officer	N8OOF 146.88/R

Trustees and officers can be emailed at callsign@leara.org

The *Spirit of '76 & '88* is published monthly except in December. Contributions must be received by the 1st of the month.

Editor:

Joe Prokop, KC8RAN

de N8AUC

Have you noticed that lately it's getting kinda chilly at night? And it's getting dark earlier? Since football season is starting, it's getting to be fall. Yes, that's right I'm a big football fan. Between the local high school team, and Ohio State, and the Browns, I'm a serious football junkie. (Is there some kind of 12-step program for that? I hope not.) Every now and then I like to take a little road trip to Toledo to see daughter #1, and watch one of their home games. And now that daughter #2 is at Mount Union, I'm sure there will be a couple of road

trips to Alliance for football games. Especially since daughter #2 is on the drill team that performs with the marching band during halftime at the home games.

Anyways, fall means the end of public service event season. And it also means that the Cleveland Hamfest is coming up real soon. This year it's on September 24th. As usual LEARA will have a club table setup. And more likely than not, we'll have people helping staff the talk-in station. So make it a point to come out to the Cleveland Hamfest at the Berea Fairgrounds and pay us a visit. OH and did I mention that there will be a bunch of ARRL forums there this year? Yes this means that our Ohio Section Manager will probably be there as well, so come on out and say hi to Joe Phillips again.

Again? Whaddya mean AGAIN? Well if you're asking that question then you obviously didn't attend the August LEARA meeting at Dimitri's. Because it was ARRL night, and our guest speaker was none other than newly-re-elected Ohio Section Manager K8QOE Joe Phillips. Joe is a great guy, and a decent speaker as well. He informed us about the latest goings on in the Ohio Section, and a little glimpse of what the folks in Newington are thinking as well. It was a good time, with good food, and some traditional LEARA camaraderie. So if you missed it, don't ask questions like "Whaddya mean again?"

Seriously though, I can't imagine why folks wouldn't come out to a club meeting. Don't use the "XYL won't let me" excuse - unless you have a baby in the house and you've got diaper duty. Yeah Jake - I'm talking about you buddy! Bring the XYL with you. It's dinner out, and she doesn't have to do

(Continued on page 3)

LEARA is a not-for-profit organization dedicated to Amateur Radio and to Public Service. Club information packets and applications for membership are available from **Marv Grossman, W8AZO, 440-248-0031**, or may be downloaded from our web site at www.leara.org. Annual membership is \$18.00. LEARA's address is: LEARA, PO Box 22823, Beachwood, OH 44122-0823.

LEARA is an ARRL-affiliated club. When you join or renew the ARRL, LEARA benefits monetarily if you so through the club. Send ARRL Applications/renewals to Club Treasurer Dave Foran WB8APD, 5439 Nan Linn Dr. Willoughby, OH 44094-4365. Make the check payable to LEARA, not the ARRL.

Membership Meetings are held the last Tuesday of each month except December at Dimitri's Restaurant, 1830 Snow Rd., Parma, OH (in the Mid-Town Shopping Center, just west of Broadview Road). Dinner is served at 6:30 p.m. The regular meeting begins at 7:30 p.m. Meetings are open to all interested persons. You may attend without eating, but **reservations are required** if you do wish to eat. Call **Marv Grossman, W8AZO at 440-248-0031** to leave a message.

Trustees' Meetings are held on the second Saturday of odd numbered months at 9:00 a.m. at the Parma-Snow Branch of the Cuyahoga County Public Library, 2121 Snow Rd., Parma, OH (opposite the Mid-Town Shopping Center). Meetings are open to all current members of LEARA.

Association News

DE N8AUC

(Continued from page 2)

dishes, or cook, or anything. Think about it from her standpoint. What's not to like about that? Even Jeff and Lori have brought their adorable little daughter with them to meetings. And she's just gorgeous. Like all little babies are.

Speaking of Toledo, and ARRL you knew there had to be something else, right? The last ARRL Great Lakes Division Convention was held in Toledo in 2005. This is an event that is held every two years. I attended the 2005 event, and so did Bob W2THU and Jeannie KC8MNV. It was an enjoyable and educational affair, and well worth attending. I'm glad I went to it. Now you mathematicians reading this have already figured out that the next one will be held in 2007. And that one, ladies and gentlemen, is going to be held RIGHT HERE IN CLEVELAND!!!

Sponsorship of this event is a joint venture between CARS and LEARA. And it will be held the Saturday before the 2007 Cleveland Hamfest (we think), which will be Saturday, September 22, 2007. Mark your calendars now and plan to attend. After all it isn't very often you get to experience the Loyal Order of the Wouff Hong in person. Don't know what that is? I do, but I'm not telling. It's a secret whose origins are shrouded in the mists of antiquity. But if you attend, you'll be able to find out. So mark your calendars now, and don't miss the 2007 ARRL Great Lakes Division Convention.

While you're at it make it a point to attend the September LEARA meeting as well. We'll be at Dimitri's on Tuesday September 26, for the usual dinner, fun and frolic. And it'll be the Tuesday after the Cleveland Hamfest. Amazing how things like this all come together, isn't it?

73 de N8AUC (da prez)

Welcome To THE Club!

LEARA proudly welcomes...

GORDON STAMPER, K8QU

From Gordon's bio on qrz.com:

"Previous calls were WB8RQU, KA8ZAN, and KD8EBX. Past operator of WAR1 on Armed Forces Day in Washington, DC. Just received my vanity call sign K8QU in September 2006. Was a past member of Army MARS, and am now a member of Navy MARS, while also being a member of the U.S. Coast Guard Auxiliary." WOW!

Upcoming Meetings:

September 26: Geocaching - Dimitri's

October 31: Elections

November 11: Trustees Meeting (Snow Rd Library)

November 28: Holiday Party

No December Meeting

Note: Have any ideas for club meeting topics? Contact Tom W8TAB (w8tab@leara.org) .

Club meetings, with the exception of the June Field Day and picnic meetings, are held at Dimitri's in the MidTown Shopping Center. Trustees Meetings are open to all members in good standing and are held at the Snow Rd. Library across from Dimitri's.

LEARA "On The Air" Club Net Information

Club Net:

The Lake Erie Amateur Radio Association's weekly net is held every Thursday evening at 8:00 PM on the 146.760 (- offset, 110.9 PL) repeater. This is an open and informal net intended to provide the opportunity to test radio equipment, promote fellowship among local amateur radio operators, and develop radio traffic handling skills. **Net Control Operators Needed...**Any member of the Lake Erie Amateur Radio Association interested in trying their hand at directing the weekly net is encouraged to contact Joe KC8RAN (kc8ran@leara.org) or as listed on page 2.

SSTV NET RETURNS

The SSTV Informal net returns to the 88 machine on Saturdays. With summer fading behind us and longer, darker nights coming, this is a perfect opportunity to learn and use SSTV. Programs for SSTV are found for free on the internet. Connections to receive involves "off the shelf" cables and connectors available almost anywhere. Check out the January '06 newsletter on the website for more info. **NET CONTROL OPS NEEDED TO MAKE THIS A REGULAR EVENT!** Contact kc8ran@leara.org or John, N8OBJ to help out.

See you on Saturday Nights on "88"!

Association News

Club Elections

Keep an eye on your mailbox for the LEARA mailing with your membership renewal and trustee ballots. As of the time this was written, the candidate list was not finalized but will have been by the time you receive this.



Make sure to follow the instructions and mail the ballots and the renewals. All ballots must be received in time to count and certify at the October club meeting.

Special Hamfest Offer

Need a new mobile, but don't want to buy one?

Then make sure you are at the Cleveland Hamfest.

LEARA will be giving away a chance at a Kenwood TMG707 dual band mobile to all NEW members that sign up at Hamfest, as well as those members who renew their membership at Hamfest. NO mail ins on this one guys.

And if you aren't feeling REAL lucky, you can buy 1 (ONE) extra ticket for 5.00, so for 23.00 you are getting your next year's membership and 2 chances at this new rig. Drawing will be held at the end of Hamfest but you need not be present to win.

Stop by the LEARA display and say hi!

August Meeting Highlights-ARRL Night with Joe Phillips K8QOE

We were all sitting down for dinner at the August club meeting, when the sounds of face-to-face ragchewing suddenly disappeared. At first we thought Slider had come to the meeting. However, after a little investigation, it turned out Ohio Section Manager Joe Phillips, K8QOE had arrived in his Cleveland Indians' gear.

As is his custom, Joe had a sports prediction. Joe predicted the Brandon Phillips' trade to the Reds would turn out to be a bad one for Cincy. I see a Hall-of-Fame career in Brandon's future!

Here are some of the highlights of Joe's talk:

- The Official Observer program has working to trace and resolve local interference problems. From their experience, 95% of the incidents are accidental and cleared up once the parties involved are alerted. Of the 5% where malicious interference is occurring, other measures are being taken.
- The PRB-1 initiative is starting to form a proposal to take to the legislators.
- The league's BPL stance is not to oppose new technology to bring the internet to more people. What the League is fighting is interference issues that come from poorly designed systems that impact radio communications. League HQ currently has a BPL system installed that is properly filtered and does not interfere with W1AW's equipment.

- Restructuring efforts have been slowed by a lack of response on proposals by the FCC. The current League proposal is for 3 classes, as the FCC was looking for. CW would remain as part of the Extra class equivalent license.
- The future of the hobby still looks good. Thanks to the Y2K scare, where hams were available to provide communications if systems shut down, through 9/11 and finally with the Katrina disasters, ham radio has been given a lot of exposure.
- Despite the above opportunities, the media has not given enough attention to the contribution ham radio has made to the nation. A lively discussion ensued with the membership on how to get the word out. Unfortunately the "sound-bite" mentality by the media makes this difficult.
- Of all of the activities, fox-hunting may be one of the biggest draws to non-hams. Bryan, N8OOF, related a story where he was stopped by a park ranger asking what he was doing. When Bryan explained he was tracking signals as practice to track down interference, the tone changed to interest as most law enforcement experiences some form of interference. In addition, fox hunting has an appeal to a younger audience.

Joe will be at the Cleveland Hamfest. Make it a point to come and here what's going on in the Ohio Section!

Association News

River Run 2006

This has to be the fastest public service article in the history of LEARA. If it isn't then it's gotta be close to it. Almost as fast as the inline skaters on Sunday, September 10 at the Annual Cleveland Clinic Sports-Health River Run!

A stellar crew of 12 hams, and one "not-yet" ham became the eyes and ears of the race course. This crack staff assembled before dawn in the traditional location at the K-mart parking lot in Middleburg Hts. In the pre-dawn darkness they collected their course maps, t-shirts and vehicle passes, then were dispatched to various locations along the course. Time was short, because the walkers left early this year. Normally they would leave at 8AM with the rest of the participants, but this year they got an hour head start on the runners.

A land speed record was probably set by Tom, KA8BZB in getting to the assembly point. One minute he was on I-490, and the next thing we knew, he was in the parking lot looking for a t-shirt. Sadly, we didn't have any pilot's wings to give Tom, because he must have been flying. Perhaps he was trying to emulate the inline skaters.

These are the only people I've ever seen who can average 25+ MPH on skates. Most people who hit that speed are usually screaming in terror, and about to incur serious injury, usually at the hands of some stationary object, like a tree. These folks do it on purpose, and come out of it unscathed. The winner of the

inline skate event finished the 12.1 mile course in well under 30 minutes. How fast were they? You do the math.

The weather was perfect for a half marathon. And there were no incidents where a runner, walker, or inline skater required assistance. Well, except for the one lady who was trying to run with a banged up knee, but she refused help and toughed it out. Rain was in the forecast, but no rain fell during the event.

A budding net control operator got his debut at River Run this year. This time it was young Curtis, KC8UQX who got to try his hand at being net control. Curtis made a good accounting of himself, and will end up being a fine net control operator for a future public service event. Curtis is currently a student at Walsh Jesuit High School. Great job, Curtis!

Hearty thanks go out to the good folks at the NASA Glenn ARC for allowing us the use of their fine repeater for the event. A huge thank you also goes out to the following individuals who constituted this year's River Run Crew: Curtis KC8UQX, Tom KA8BZB, Steve KB8UTA, Jim N8XDO, Alex WD8JMM, John KC8JTF and his lovely wife Margo KB8ZUQ, Gil KE8WV, Leone KC8VBR, Mike K8EHP, Eric N8AUC, and David KD8ACO with his not-yet licensed son Matthew. An excellent job by all who attended, and we hope you'll join us next year!

73 de N8AUC

September Trustees Meeting

Attending

Eric N8AUC
Steve KB8UTA
Jacob KC8GHX
Marv W8AZO
Tom W8TAB
Bryan N8OOF
Joe KC8RAN
Mike K8EHP
Jim N8XDO

Not attending

Bob W2THU
Tom Long N8QXA
Ray N8NAP
Dave WB8APD
John KC8FOC
Jeff N8YNR

The following actions were taken by the board at the September meeting:

- Approved a motion to include an abbreviated minutes from the Trustees meeting in the newsletter. This would include the items that were voted on and passed.
- Approved a motion to work with CARS on the Ohio Section convention in 2007.
- Elections are scheduled for the October meeting. Renewal notices and ballots will be mailed on time.

ISS Crew, ARISS Team Troubleshooting Slow-Scan TV System

NEWINGTON, CT, Aug 22, 2006 -- The Amateur Radio on the International Space Station (ARISS) team is coordinating with Expedition 13 Commander Pavel Vinogradov, RV3BS, and ARISS-Russia's Sergei Samburov, RV3DR, to troubleshoot the slow-scan television (SSTV) system onboard the ISS. The SSTV system remains off the air for the time being.

"The ARISS team is coordinating with Sergei Samburov and Pavel Vinogradov to resolve some of the issues seen when the SSTV system was hooked up," ISS Ham Radio Project Engineer Kenneth Ransom, N5VHO, told ARRL. Photos of the current SSTV configuration that were downlinked to Earth showed "several unanticipated results" from the initial tests, Ransom said. "More extensive troubleshooting is being developed and could further delay permanent activation of the radio." He added that it could take a long time to work out the kinks because Vinogradov is only able to work on the system in his free time. Vinogradov will return to Earth in September.



ARISS International Chairman Frank Bauer, KA3HDO, earlier this month echoed Ransom's assessment, indicating that ARISS expected SSTV system testing to continue over the next few weeks. "Since this is a 'spare time' activity for Pavel, please bear with us as we go through this aspect of system setup," he said on the SAREX reflector in mid-August. "It is not possible right now for Pavel to switch between modes (eg voice, packet and SSTV) on the Kenwood and continue the methodical process of system setup and reconfiguration."

The SSTV system uses the ARISS Phase 2 station, a modified Kenwood TM-D700E. In recent weeks, ARISS has been using the Phase 1 station, an Ericsson hand-held transceiver, to conduct contacts with schools, since the Phase 1 antenna system is more favorable given the space station's current attitude with respect to Earth.

During the early stages of SSTV testing in late July, Earth station operators were thrilled to receive several pictures Vinogradov was able to transmit manually on 2 meters (the system has been using 144.490 and 145.800 MHz) using the RS0ISS call sign. Ransom says initial tests were run over Moscow, and then the system was left on for a few orbits.

Plans call for Vinogradov -- as his schedule permits -- to continue checking out the SSTV software, configure and optimize the radio and perform integration checks necessary. So far, the SSTV system has been unable to function properly in the autonomous "slide show" mode, Ransom said.

Miles Mann, WF1F, who developed the SSTV system as an ARISS project, explains that slide-show mode will permit the crew to preload a directory of images that then will automatically transmitted to Earth. "The crew will not need to keep pushing a button to send images," he said in a recent news release. "In theory, the system can run for weeks at a time without crew involvement."

The SSTV system is not yet configured to receive SSTV transmissions from Earth stations, and no uplink frequency will be made public until testing is done. Earthbound radio amateurs are advised not to attempt to transmit SSTV images to the ISS.

Mann says future ISS crews will use newly developed *SpaceCam1* software to enhance the SSTV system and experience for Earth stations. He says *SpaceCam1* permits transmission of SSTV images via Amateur Radio primarily using the Robot 36 format.

"One of the key features of the software is that it allows two-way interactive operation," Mann says. "The software also fully automates the transmission of images and use of SSTV repeaters." Mann has posted detailed information about the SSTV project on his MAREX-NA Web site. (Pictures from the MAREX website, as received by various hams. More info can be found at www.marex.org)



SuitSat-1 Re-enters Earth's Atmosphere

SuitSat-1 (AO-54) is history. The surplus Russian Orlan spacesuit turned satellite re-entered and burned up in Earth's atmosphere Thursday, September 7, at 1600 UTC some 1400 km south-southwest of Western Australia. The announcement came September 8 from Amateur Radio on the International Space Station (ARISS) International Chairman Frank Bauer, KA3HDO.

SuitSat-1 became one of the greatest public relations vehicles for Amateur Radio in years. Bauer expressed thanks to "all who made SuitSat-1 the phenomenal event that it was." Launched February 3 during a space-walk from the ISS, SuitSat-1 was heard around the world, although at a much weaker signal strength than anticipated. "Your hard work and dedication paid off," Bauer continued. "In just three weeks the SuitSat team developed and delivered a safe satellite system that has gained the confidence of the international space agencies."

Bauer also noted the "unprecedented press coverage" that included more than 9 million hits on the SuitSat-1 Web site, www.suitsat.org, during February alone as well as several prominent mentions in the general news media. "Students around the world had the opportunity to participate in a seven-month 'school space-walk' with the artwork, pictures, signatures and voices onboard," Bauer pointed out. "And the 'super-sleuth' ham radio operator extraordinaires were able to pull a significant amount of data from the satellite, despite its low signal strength." After SuitSat-1's VHF ham radio payload stopped transmitting earlier this year, AMSAT initiated a "Chicken Little Contest," for participants to guess when SuitSat-1 would deorbit. Winners and more information are on the AMSAT Web site, www.amsat.org/amsat-new/ariss/suitsatContest.php. Bauer said plans for a potential SuitSat-2 will be a discussion topic at the AMSAT/ARISS joint meeting in October.

**Door Prize Winners:
(I apologize for any missed or wrong calls and prizes, as the light was out above the table. That's my story and I'm sticking to it.)**

**LEARA Buck— Dave W8KFJ
Flashlight: Carol Ozello
Butane Torch: Jeff N8YNR
Flexible LED Light: Bill N8PLV
Various Spring Clips: Joe KC8RAN
Hammer: Gordon KD8EBX
Nut Drivers: Jack W8JAK
Nut Drivers: Jerry KC8NMX
Magnetic Spotlight: Jerry KC8NMX
50/50 :Jack W8JAK**

If I missed anyone, I apologize.

Is S-Band (2.4 Ghz) Lost?

Over the first few weeks, a debate began on the AMSAT-BB reflector. As part of the engineering studies for Eagle, S band was not looking like a viable digital link due to the increasing noise floor and interference from wi-fi networks and cordless phones. There are many areas in the country and abroad where terrestrial weak signal work in the 2.4 Ghz band has basically been abandoned due to the QRN and QRM being generated by consumer based devices.

On the other hand, many stations are reporting contacts on AO-51 using the L/S transponder. (L is 1.2 Ghz up, with 2.4 Ghz down). In some cases, with the antenna pointing skyward, much of the noise is outside of the main lobe and it doesn't impact the lower orbiting AO-51 satellite. But Eagle, planned to have a highly-elliptical orbit, will be further out. Signals at the higher frequencies will be attenuated at a greater level than 145 or 435 Mhz. With the greater distance and attenuation, the possibility is that the downlink will still be swamped by consumer devices.

So will S-Band be lost to the consumer electronics market? Only time will tell. Already such devices are going higher, so maybe S-band may survive after all.

Cycle 24 Starting ?

From the ARRL Propagation Bulletin 9/1/06 and ARRL Letter 9/1/06

The second magnetically reversed sunspot appeared this week, and this time it remained longer. This is the second sunspot from the new solar cycle 24. Eventually there will be more of the new reversed sunspots than the old ones from cycle 23, and that would be one way to mark the beginning of the next sunspot cycle.

The recent appearance on the sun of two so-called "backward sunspots" may mean solar Cycle 23 is drawing to a close and Cycle 24 now is under way or soon will be. At least that's the thinking of some scientists. "We've been waiting for this," said Solar Physicist David Hathaway of the Marshall Space Flight Center in Huntsville, Alabama, after the first backward spot showed up. "A backward sunspot is a sign that the next solar cycle is beginning."

The term "backward" refers to the sunspots' magnetic polarity. One such sunspot appeared briefly July 31, then disappeared, but its significance was that its magnetic polarity was just the opposite of current Cycle 23 spots.

Another more robust backward spot, Sunspot 905, appeared in late August -- although it subsequently began to dissipate -- and some sungazers are saying Cycle 24 already has begun. ARRL propagation guru Tad Cook, K7RA, this week called it "the second sunspot of the new Solar Cycle 24." "Eventually there will be more of the new reversed sunspots than old ones from Cycle 23, and that occurrence is one way to mark the beginning of the next sunspot cycle," he said. Radio conditions will not improve any time soon but over a period of several years of the course of the 11-year cycle, perhaps peaking around 2010.

The Future of Amateur Radio

Selected comments from ARRL President Joel Harrison at the New England Division Convention

...Harrison suggested it's worth looking at ham radio's past when considering the issues it faces today, and there are no easy answers. "There is no one cure-all for whatever you think is wrong with Amateur Radio," Harrison asserted. Offering a thumbnail review of Amateur Radio's history, Harrison pointed out that ham radio has always had to deal with the controversies and tensions that technological, regulatory and societal changes have sparked over the years. Nonetheless, it's survived for nearly 100 years, and some ideas keep resurfacing. For example, a no-code license was proposed in the 1930s, he said, although it wasn't accepted until about a half-century later.

..."When you look at the history of Amateur Radio, you kind of have to wonder: Where are we going?" Harrison said. The ARRL president went on to offer some of his own thoughts on the subject. "Digital is the wave of the future," he predicted. "Our ability to provide public service will expand." In any case, he said, ham radio will always be in a storm, just coming out of a storm or heading into another storm.

...Harrison said it's up to today's radio amateurs to make sure that "DX Is" never becomes "DX Was," and that "Public Service" never becomes "Public? Sorry."

..."There is an unlimited number of possibilities in Amateur Radio," Harrison told the gathering. "If you get bored with one thing, there's another you can look into." Amateur Radio promotion should focus on "this buffet of possibilities," and not just on one activity, such as contesting or public service.

... Harrison reiterated his mantra that the Main Street USA of today is much different than the Main Street of 30, 40 or 50 years ago, when many of today's hams got started in the hobby. Today's Technician license has proven for many to be a dead end for Amateur Radio, he said, because it has not provided enough of an introduction to the wider world of ham radio to maintain interest. On the other hand, the old Novice license,



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Hamfest Listing

24 Sep 2006

Cleveland Hamfest and Computer Show

Hamfest Association of Cleveland

<http://www.hac.org>

Talk-In: 146.73 (PL 110.9)

Cuyahoga County Fairgrounds

Contact: Hamfest Association of Cleveland, Inc.
PO Box 81252

Cleveland, OH 44181-0252

Phone: 800-CLE-FEST

Email: info@hac.org

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Harrison noted, provided "a connection to the outside world" through its limited HF privileges.

"Opening up an avenue to HF privileges opens up an unlimited number of possibilities," he said.

"It's time to expand the entry-level license."

...At a second ARRL forum on Sunday, Harrison told one member he believes the League would always support CW as an operating mode, even if the Morse requirement goes away. "CW is popular, and I can't envision the ARRL taking a position that would not support CW as a mode," he assured the questioner.

...Where Amateur Radio goes is up to those who enjoy the many facets it has to offer, he suggested. In closing he quoted ARRL co-founder Hiram Percy Maxim, W1AW: "Make sure everything you do is for the general good."

Need help with getting your license or upgrading to the next level. Contact LEARA by email to elmer@leara.org or visit the club website at

www.leara.org

"It's Easier Than You Think!"

Volunteer Exam Dates and Locations

(from the ARRL website)

17-Sep-2006

Sponsor: LORAIN COUNTY ARA RED CROSS

Time: 1:00 PM (Walk-ins allowed)

Contact: CHARLES S HALL (216)433-3036 **Email:** VE@W8HF.COM WWW.W8HF.COM (HOME PAGE)

Location: AMERICAN RED CROSS 2929 W RIVER RD N ELYRIA, OH 44035

24-Sep-2006

Sponsor: HAMFEST ASSOC OF CLEVELAND

Time: 2:00 PM (Walk-ins allowed)

Contact: JON G ANHOLD

Email: JON@SNOOPY.NET

[HTTP://HAC.ORG/VE](http://HAC.ORG/VE)

Location: BERE A PUBLIC LIBRARY 7 BERE A COMMONS BERE A ROOM UNDER LIBRARY BERE A, OH 44017

07-Oct-2006

Sponsor: LAKE COUNTY ARA

Time: 12 NOON (Walk-ins allowed)

Contact: SCOTT FARNHAM (440)256-0320

Email: SCOTTFARNHAM@ADELPHIA.COM

Location: KIRTLAND LIBRARY 9267 CHILLI-COTHE ROAD ROUTE 306 1.7 MI S OF I-90 KIRTLAND, OH 44094

14-Oct-2006

Sponsor: SUMMIT CO AMERICAN RED CROSS

Time: 2:00 PM (Walk-ins allowed)

Contact: BRUCE M FERRY (330)929-2766

[HTTP://WWW.AK8B.US/VE](http://WWW.AK8B.US/VE)

Location: AMERICAN RED CROSS 501 W MARKET ST AKRON, OH 44303

15-Oct-2006

Sponsor: LORAIN COUNTY ARA RED CROSS

Time: 1:00 PM (Walk-ins allowed)

Contact: CHARLES S HALL (216)433-3036 **Email:** VE@W8HF.COM

WWW.W8HF.COM (HOME PAGE)

Location: AMERICAN RED CROSS 2929 W RIVER RD N, ELYRIA, OH 44035

LEARA — The Lake Erie Amateur Radio Association

VOICE REPEATERS:

- | | |
|------------------|--|
| 53.230/R- | • Highland Hills (136.5 Hz tone) |
| 146.76/R- | • Highland Hills (Use 110.9 Hz tone for remote inputs in Lakewood, Newbury & Willoughby) |
| 146.88/R- | • Lakewood (Requires 110.9 Hz tone) |
| 224.90/R- | • Lakewood (141.3 Hz tone) |
| 444.40/R+ | • Highland Hills (131.8 Hz tone) |
| 444.70/R+ | • Lakewood (131.8 Hz tone) |
- (.76, .88, .90 and .70 offer emergency and member-only autopatch lines.)

PACKET NODES: CLE1 145.01 MHz: CLE5 145.05 MHz: CLEV220 223.70 MHz
These nodes are part of the Cleveland Net Cluster in K8EIW's backbone system.

- | | |
|----------------------|-------------------------------------|
| GENERAL: NBRY | • 145.07 MHz & 223.70 MHz (KA-NODE) |
| NBRYX | • 145.07 MHz ⇔ 223.70 MHz Gateway |
| LEARA | • 145.07 MHz & 223.70 MHz PBBS |

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