



The Spirit of '76 and '88



Newsletter of the Lake Erie Amateur Radio Association

Editor: Bryan A. Torok, N8OOF
Associate Editor: Mike DiTurno, KC8OWL

Publisher: Jeannie St. Marie, KC8MNW

This Month's Meeting — Tuesday, July 28, 2003

The Annual LEARA Picnic in the Park

In the Oak Grove Picnic Area of
Cleveland Metroparks Brecksville Reservation

Please join us for the annual LEARA Picnic in the Park on Tuesday July 28, 2003. Because last years picnic location was so successful this year's picnic will again be held at the Oak Grove Picnic Area of the Cleveland Metroparks Brecksville Reservation.

This is a great opportunity to get together with fellow club members, their family, friends, and anyone

else interested in attending to have a relaxed cookout in a wonderful secluded park setting.

As in previous years, Jeff Garvas, N8YNR will coordinate the menu offerings, which will include hamburgers, hot dogs, potato salad, watermelon, chips, condiments, and soft drinks. Those who wish to have an entrée not offered (i.e. veggie

(Continued on page 3)

July, 2003

In This Issue

Officers/Trustees	2
de N8AUC	2
LEARA Info	2
LEARA Picnic Info & Map.....	3
Association News	4
June Meeting Report	
June Door Prize Winners	
Looking Forward.....	5
Welcome to the Club	
Field Day Gods & Pictures.....	6
Upcoming Public Service.....	7
P-2-P, Triathlon	
Hamfest & Exam Listing	9
Nude Special Event Station	9

LEARA's July Feature — *Is This Ham Radio?*

Bob Winston, W2THU

Two Systems — One Purpose

Both the Internet Radio Linking Project (IRLP) and Echo-link software are systems which allow Amateur Radio stations to communicate with one another over the Internet, using voice-over-IP (VoIP) technology. The systems allow worldwide connections to be made between Amateur Radio operators.

The IRLP Experience

About six months ago, our good friend Merle, KB8ENV, set up a node of the Inter-



net Radio Link Project (IRLP) right here in Cleveland. The node connects to his 2-meter transceiver, which is operating at about 35 watts on 147.555 MHz simplex, to the internet. Merle invited me to try the system out by dialing up a reflector in Las Vegas, Nevada. All I had to do was transmit a 4-digit code into Merle's rig and within seconds a synthesized voice announced that I was connected to the Western Reflector.

I announced my call and location, and was promptly answered by Jim, who was driving

(Continued on page 8)

OFFICERS	
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Ray Bayun Radio Officer	N8NAP 146.76/R
Bryan Torok Radio Officer	N8OOF 146.88/R
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Editor: Bryan A. Torok, N8OOF	
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de N8AUC . . .



I hope none of you accidentally went to Dimitri's for the June meeting. Especially after we announced in these pages, and on the club net that the June meeting was at Field Day. I can certainly understand needing your Chicken Parmesan fix, but services this month were held at Our Lady of the Dipole, better known as that blessed sacrament of ham radio - Field Day!



Speaking of Field Day, I'd like to thank all those involved with our Field Day event for a job well done! This Field Day was the smoothest that LEARA has had to date. Setup went extremely well, and by about 1:30 PM we were all sitting around waiting for the 2:00 PM start. That's never happened before! Usually we're scrambling trying to get shelters set up, and stations on the air until well after 2:00 PM! Lady Ionosphere didn't cooperate well at all! Ten and Fifteen Meters never did open up. Twenty Meters wasn't too bad, Forty seemed alright, but 80 was horrible with all the summertime static crashes. It's amazing how far the electrical noise from a Lightning Strike will carry. The VHF and UHF bands never really opened up either. But despite the lousy band conditions (rumor has it there was some kind of solar flare that messed things up), we did have a number of visitors, picked up a couple of new membership applications, and had more different operators at all the stations than we've ever had. It also seemed like a good time was had by all who attended, which is just as important as learning about emergency preparedness, and disaster communications. This is getting good, folks! No clue on the score we attained, since I don't have all the log sheets yet, but as soon as I know what our submission will be, I'll clue you in here first. Stay Tuned for further details.

Don't say I didn't warn you, but I hear that there are a few surprises in store for next year's Field Day event courtesy of Bill Marx, K8WJM. Oh, don't even think about hitting him up for information about the surprise either. He's not talking. I can give you a clue though... it has nothing to do with PVC pipe. If you don't know what the PVC thing is in reference to, then you really should have been at Field Day! See what you miss by not getting off that couch?

Things get a little more normal for us this month. The annual "what bank is it this

(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**, via voice mail at **440-942-0154**, 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.

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 PM. The regular meeting begins 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. Call **Marv Grossman, W8AZO at 440-248-0031** or leave a message on the LEARA voice mail line at **440-942-0154**.

Trustees' Meetings are held on the second Saturday of odd numbered months at 9:00 AM 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.

2003 LEARA Picnic

burgers, chicken, etc) may feel free to use the grill at the rate listed below.

Because this great location cannot be reserved in advance, volunteers are desperately needed to arrive early and help occupy the picnic area. Persons who have insulated coolers are also needed to pick up and transport ice to the picnic site. Please contact Jeff by phone at 216-552-4368 if you can help out.

Dinner will begin being served between 5:30 and 6:30 p.m.

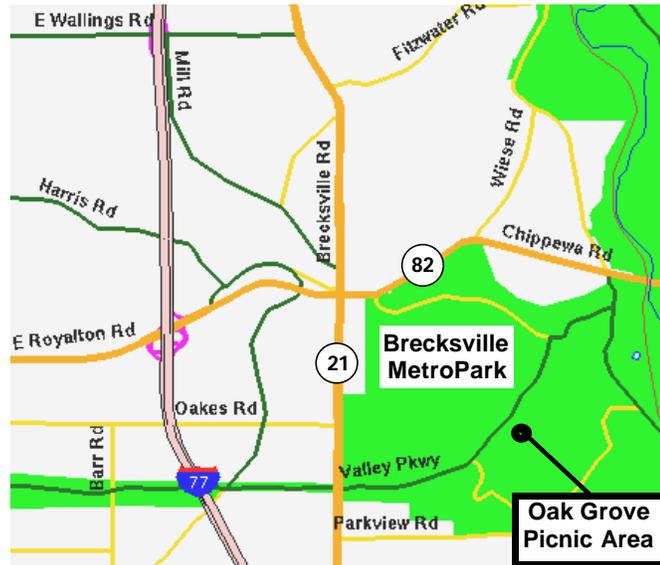
Reservations for the picnic are required by 12:00 Noon Monday, July 27. You may attend without making a reservation, however; you will be responsible for supplying your own dinner.

When making your reservation, please state how many children will be attending, along with their ages and whether they are a boy or girl. This is to help Lori, KC8MYE, in selecting appropriate door prizes for the youngsters.

Please call in your reservation to Marv Grossman, W8AZO, at **440-248-0031** or leave a message on the LEARA voice mail line at **440-942-0154**.

Directions: Take I-77 to Rt. 82, Royalton Rd., and go east to Rt. 21, Brecksville Rd. Turn right (south) on Brecksville Rd. Go about 1.5 miles. The MetroParks entrance will be on your left. Once in the park, the Oak Grove Picnic area will be to your right. See the maps below.

(Note: Rt. 82 east of Brecksville Rd. is named Chippewa Rd.)



MENU OPTIONS	PRICE
Hamburgers and Hotdogs (all you can eat) - Includes unlimited side dishes and soft drinks.	\$7.00 / person **
Use of the grill (you supply the entrée)- Includes unlimited side dishes and soft drinks.	\$3.00 / person **
Use of the Grill - You supply everything.	\$1.00 / person **

** Kids under 12 years of age eat for free.

de N8AUC (cont'd)

(Continued from page 2)
 year" triathlon is July 20th. Contact Tom, KA8BZB if you can help out. I hear that someone among the event organizers suffered from a temporary flash of brilliance, and realized that the biggest problem in that event, course incursion by non-participants, can be minimized by changing the route. So expect a different course at the Triathlon this year. I'll be there to see what they came up with, and it should be fun as usual, so why not charge up those HT batteries and plan on joining us?

July also means that it's time for the annual LEARA picnic! Jeff (N8YNR) and his lovely bride Lori (KC8MYE) usually pull out all the stops to make sure that our club

picnic is a success. Rumor has it that chief assistant griller Jim (N8XDO) is already sharpening his barbecue tools, so plan on coming out. Details appear in this newsletter! The very one you are reading right now! So don't miss it. You'll be sorry, and kick yourself if you do.

Additional upcoming events include:

Pedal to the Point is on August 16 and 17. Contact Jeff (N8YNR) if you can help out.

River Run is on September 7th. Contact me if you can help out with River Run.

See you all at the club picnic on July 29th! Until then,
 73 de N8AUC.

Association News

The June Meeting Recap

By Mike DiTurno, KC8OWL

Well, we tried something different for the June meeting of the Lake Erie Amateur Radio Association; we combined the meeting that would have normally been held at Dimitri's restaurant on the last Tuesday of the month with the club's 2003 Field Day event at Upper Gordon Park off of Martin Luther King Blvd; kind of a Field Day and meeting all rolled into one package.

The actual business meeting was rather brief, but something very important took place in front of those that were able to be with us on Saturday evening during Field Day. The Lake Erie Amateur Radio Association honored Steve Bellamy, AA8MX for all of his hard work, effort, and contributions he has made to the club over the years as a trustee, and presented him with a certificate of appreciation. We all hope to see Steve rejoin the board when time permits. Thank you Steve!

Attendance at the Field Day meeting was less than I had expected, but about the same as a regular club meeting. Those that were able to make it out were in for an additional bonus though – the dinner was free! Thank you again to everyone who was able to come out and say hi, lend a helping hand, or just share the company during the Field Day weekend.

So what did you think? Should we combine the Field Day event with the June meeting again next year? I welcome and encourage your feedback on this. Please feel free to contact me and let me know if you thought it was a good idea, a bad idea, or if you are impartial either way. I would like to make sure that I, as a trustee of the club, represent the majority of its membership on issues such as this to help as many people as possible be active in club activities. Please let me know by catching me on the 146.880 repeater, e-mailing me at kc8owl@yahoo.com, or by calling at the number listed on page 2 of this newsletter.

Thanks again and 73
de Mike, KC8OWL

Check out the newsletter in color at
www.leara.org
Follow the Newsletters link on the
left side of the page

June Door Prize Winners

Repeater Directory:

Gregory S Smith, KC8CYF
Steve Bellamy, AA8MX
Robert Fisco, N8GRW
William Lewis, N8VUL



Nut Driver Set:

Bruce Pearson, N8RKQ
Stephen Kinosh, KB8UTA
Alexander Manuk, WD8JMM



Wire Cutters:

Bill Chaikin, KA8VIT
John Radney, KC8FOC
Darren Turk, K8DMT
Sara Cechner, KC8KSU

Needle Nose Pliers:

Tom Kimball, KA8BZB
Bill Hess, K8SGX
Tom Bishop, W8TAB
Bob Winston, W2THU



Crescent Wrench:

Marc Flanagan, KC8SIE
Mike DiTurno, KC8OWL

Weather Radio:

Tom Long, N8QXA



Rain Gauge:

Carmen Labbato, WB8SDA
Jim Ozello, N8XDO

PHONE: (330) 225-7373
FAX: (330) 225-4333

ORDERS 877-964-5566

Northern Ohio
Amateur Radio Depot

Rick Wells - K8SCI

[1] Check phone message machine for
any changes in hours

RETAIL STORE HOURS [1]
MON, WED & FRI: 11AM-7PM
CLOSED TUES & THURS

SAT: 10AM-6PM
SUN: 1PM-4PM

www.noard.com

NOARD Inc

821 Pearl Road
Brunswick, OH 44212

Association News

Welcome to the Club

LEARA proudly welcomes the following hams who recently joined (or rejoined) LEARA and who have been formally approved by the LEARA Trustees.

New Members

William A. Harasyn, KC8VRE

Returning Members

Steve Isenberg, N8TUA
Cheryl Isenberg, KC8MWN

Corrections

Newly licensed/new member **Kimberly Kopcak**, had her callsign listed incorrectly last month. Her correct callsign is **KC8WTC**.

They will be fine additions to our Association. If you hear them on the air, say hello and make them welcome.

Let Us Know

Have you recently upgraded or received a vanity call-sign? Did you finally get that last state for your WAS award or finally received your DXCC? Let us know. Please share your amateur radio related awards or special recognitions by sending a note to editor@leara.org

Looking Forward

July 29 — LEARA picnic in the Oak Grove Picnic Area of Cleveland Metroparks Brecksville Reservation. See page 1.

August 26 — Army MARS presented by Rick Kruis, K8CAV/AAM5EOH and Duane Crawford, N8ZFS/AAM5OH.

September 13 — Trustees' meeting, see info on page 2.

September 30 — To be determined.

October 28 — Annual Election and to be determined.

Anyone with program ideas or suggestions is urged to contact Mike DiTurno, KC8OWL, at 216-898-1891 or by e-mail to kc8owl@yahoo.com.

Miscellaneous Ham News

WRC-03/ITU Ends Morse Code

From <http://www.nocode.org/articles.html>

WRC-03 Eliminates Morse Test Requirement from the ITU Radio Regulations, Freeing Administrations to Drop Morse Test Requirements From National Rules!

WRC-03, which closed on July 04 in Geneva, Switzerland, has modified Article 25, Section 25.5 of the ITU Radio Regulations, eliminating the previously existing obligation on administrations to require Morse proficiency testing for classes of license that convey privileges in the bands below 30 MHz!

The new text of article 25.5 (effective July 05, 2003) (25.5 §3 1) states:

Administrations shall determine whether or not a person seeking a licence to operate an amateur station shall demonstrate the ability to send and receive texts in Morse code signals.

This permits national administrations to exercise their own discretion on whether or not to maintain Morse testing in their national rules. The effect of the new language is essentially exactly the same as if S25.5 had been completely suppressed (eliminated), since administrations are always free to enact national rules that are more restrictive than, but not more liberal than, the ITU Radio Regulations.

This change, which became effective July 05, 2003 (the day after the close of the WRC) is expected to result in a number of administrations moving swiftly to eliminate Morse test requirements from their national regulations.

New Scanner Web Site

Joseph R. Mamich, KB8VJU
jrm@kb8vju.com

I just wanted to let everyone know that I have activated a new website for information on Northeastern Ohio Scanning. The new web address is www.neohioscan.com — it seems to be easier to remember than the previous url and it's a bit more descriptive.

As always, thank you for all the discussion back and forth across the list...its only because of such discussions that such a website can stay updated and current!

Enjoy the summer!

73 Joe, KB8VJU

LEARA's Field Day

The Field Day Gods

Steve Kinosh KB8UTA

Well, the gods of propagation were not smiling this year as most of the bands were down. Got there early with my son Jacob, KC8GHX and helped get everything set up. Antennas were up on portable masts and long wires were being strung. (Note to self: Bring a hard hat for KA8VIT next year.) Ask him and I'm sure he will tell you. Got everything up and in place early so off we went to Pizza Hut for lunch for the crew.

By the time everyone had his or her fill of pizza, 2:00 PM had rolled around and we were off. Well, off like a herd of turtles. I was at the vhf/uhf station and in 6 hours made only 10 contacts, and the only one out of N.E. Ohio was in Detroit. So much for DX this year. None of the other bands were much better.

I did a post on a yahoo 6-meter group site and no one had a great day. The best I heard was a club in the Orlando, Florida area that had about 120 6-meter contacts. And NONE out of Florida.

Did this make it a bad field day? No way!!! There were great people, good conversation and plenty of food. Field day is about emergency communications and what we have to do to get on the air. Adverse conditions just add to the challenge. And, in a real emergency we can't count on good conditions.

As much as I'd have liked to double last years record on 6-meters, it was a challenge to get what we did. Did we do as well as last year? In points probably not, but it sure looked like we had some new faces with us this weekend. If you had fun or at least met someone new, give some of the clubs other activities a try. Who knows, you may like it and become a regular!



Bill, K8WJM, setting up his PVC pipe antenna mast



Our Talk-In Station



Lots of hams were in attendance



Lots of radios



Even the kids got on the air!

Eric, N8AUC presents a certificate to Steve, AA8MX, see page 3



Lots of camping styles



Public Service — Upcoming Events

Sky Bank Triathlon — July 20th

Tom Kimball, KA8BZB

Local amateur radio operators (“hams”) will be needed to provide communication support for this year’s Sky Bank Triathlon to be held on July 20, 2003 in downtown Cleveland. The hams will be primarily used to monitor the event for safety and will be prepared to relay problems to medical and other services for the event.

SKY BANK
TRIATHLON



Hams will be meeting between 6:00 a.m. and 6:45 a.m. on the South Marginal. For those who can’t make the

early morning meeting, there are a number of positions that have starting times between 8:00 a.m. and 10:00 a.m. Volunteers will need to let me know whether they can make the early meeting. Those who will be arriving after the early meeting should contact me on 146.88.

E-mail and telephone contact information is as follows:

E-mail: TomKimball@att.net
Phone: 216-371-2832 (home)

Full maps, as well as a complete schedule, can be found on the Triathlon web site at:

<http://www.pacificsportsllc.com/>
(click on the Sky Bank Triathlon link).

T-shirts will be provided to identify you as volunteers.

Thanks. See you on July 20th.

Upcoming Public Service

July 20—Triathlon **Contact:** Tom Kimball, KA8BZB, 216-371-2832 or TomKimball@att.net.

August 16-17—Pedal to the Point
Contact: Jeff Garvas, N8YNR, 216-552-4368.

September 7—River Run **Contact:** Eric Jessen, N8AUC, at 440-734-3146 or n8auc@hotmail.com to volunteer.

October 12—Towpath Marathon

October 31—Shaker Heights Pumpkin Patrol

Additional volunteer opportunities are available at <http://www.neopsv.org>

2003 Pedal to the Point — Sign Up Now!



Jeff Garvas, N8YNR

The Buckeye Chapter of the National MS Society has scheduled the annual Pedal To The Point for August 16th and 17th (Saturday/Sunday) this year!

I need approximately 25-35 volunteers for this event who have a mobile radio or amplified HT radios on two-meters (UHF a plus). Those of you who volunteer will be assigned to various locations along the 100-mile route on day one and 75 mile route on day two. I need so many volunteers for this event that I will

accept ANY time commitment you wish to make.

If you contribute a minimum of eight hours to this event you will be eligible for discounted tickets for Cedar Point! All volunteers get really nice t-shirts, food all along the route or at rest stops, dinner at the finishes, and flying pancakes if you show up early Sunday morning. They literally throw them in the air and you get to eat what you catch!

Camping is available in Sandusky, or bring a sleeping bag for the Gym floor.



This event is A LOT of fun and GREAT radio experience. Unlike most events, P2P is strongly focused on the medical safety of every rider, and most logistical event traffic is handled off the air. Hams with first aid experience or certifications are encouraged to point out their skills when they volunteer. Please share this information with everyone you know since we need NUMEROUS volunteers.

Volunteer by emailing me at jeff@mspedal.org or leave a message at (216) 552-4368. See <http://www.neopsv.org> for updates and other events.

LEARA's July Feature (cont'd)

(Continued from page 1)

home from his night job in Las Vegas. About a minute later, we were joined by Tom, who was driving to work in Phoenix, Arizona. The voice quality was excellent! The only limitation was that I was driving to Akron and I was soon out of range of KB8ENV's radio.



This experience really whetted my appetite for more. I had already heard the node at McMurdo Base at the South Pole identify itself while I continued to monitor 147.555 MHz. So, I got on the Internet and connected

to the IRLP site where I found 21 pages of nodes from all over the world. This morning, while driving to work I brought up a node in Sydney, Australia, but it was 2:00 A.M. down under, so no one responded to my call.

When you review the IRLP list, you learn that some nodes come out on 2-meter repeaters or 2-meter simplex frequencies, while others are connected to 70 cm repeaters or 70 cm simplex frequencies. A few entered the ham radio world on 220MHz, 921 MHz and even 1.2GHz.

An Echolink Contact

On the way to work one morning in February 2003, I had my first Echolink DX contact. Using the Woodchuck (Jeff Brown's) N3OYQ repeater on 442.125 MHz (PL 82.5) I brought up the SK0VF repeater in Stockholm. A



very surprised Swedish ham named Erik, SM0DTE came back to me. He did not know that SK0VF was connected to the Internet. As he put it, he was simply scanning the local repeaters when he heard my call.

Anyway, I asked him if he knew my good friend Lasse, SM0OY and he said that indeed he knew Lasse very well. He had just talked to him on the landline that morning and they both come from Gotland Island (which is really good DX if you ever work SM1, since there are few active hams there).

While we spoke, Erik was emailing Lasse to tell him about our QSO. I kept my scanner in the office locked on N3OYQ in case Lasse would care to try out this newfangled mode of communication. The next day he did bring up the Woodchuck repeater from his home QTH but for some unknown reason he had no audio.

The Big Question

So, what we have here is the ability to walk down the street with your HT and talk around the world via amateur radio connected to the Internet.

A few years ago I envisioned doing the same thing via our amateur radio satellites. I figured with OSCAR 40 in a highly elliptical orbit I could use my HT to link to my home station which would connect to the satellite. But, it's easier to link VHF/UHF repeaters via the internet!

But, is this fair play? Don't we work VK3 on HF using the ionosphere? Well, of course we do. Is it really ham radio when the long path follows the same route as our e-mail messages?



My Answer

Well, now that I have done it, the answer is yes and no. I did not get the same warm fuzzy feeling as when I talk to Lasse on 20-meter sideband. But, the Echolink did fulfill my long time desire to talk to Sweden with a VHF/UHF link. I always thought I would be doing it via amateur radio satellite.

I do think this is a great marriage of ham radio and the computer world that should help us attract all of those young people we sorely need in our great hobby.

I prefer IRLP to Echolink because the Echolink allows non-radio input to its system. So with Echolink you can have two hams communicating over the internet via their computers with microphones. That's got absolutely nothing to do with ham radio! At least, with IRLP, you have to have some type of amateur radio transmissions on each end of the link. Don't get me wrong, Echolink allows that too, as my Swedish QSO worked that way.

LEARA's Entry Into IRLP

As a result of this experience, I introduced a resolution at a recent meeting of the LEARA Board of Trustees to authorize funds to connect one of our repeaters to the IRLP network. The Board agreed to make our 440.40 MHz repeater the guinea pig. Through the efforts of Jeff Garvas N8YNR, it should be installed in the next few weeks and then you can try it for yourself. Let us know what you think.

73, Bob, W2THU

Hamfest Listing

To update or add to this list, please contact Mike DiTurno, KC8OWL, at 216-898-1891 or kc8owl@yahoo.com

July

- 19 Northern Ohio ARS, Wellinton, OH**
www.apk.net/noars/noarsfe.htm; Contact: Tom Porter, W8KYZ, 161 Herrmann Dr., Avon Lake, OH 44012
Phone: 440-930-9115
- 27 Portage ARC, Randolph, OH**
http://parc.portage.oh.us; Contact: Joanne Solak, KJ3O, 9971 Diagonal Rd., Mantua, OH 44255
Phone: 330-274-8240 Email: ljs@config.com

August

- 2 HAM "OH" RAMA, Voice of Aladdin ARC**
http://www.qsl.net/w8fez; Contact: James Morton, KB8KPJ, 6070 Northgap Drive, Columbus, OH 43229
Phone: 614-846-7790
Email: kb8kpj@cs.com

September

- 6-7 Great Lakes Division Convention, Findlay Radio Club**
http://www.findlayradioclub.org; Contact: Bill Kelsey, N8ET, PO Box 587, Findlay, OH 45839
Phone: 419-423-4604
Email: kanga@bright.net
- 28 Cleveland Hamfest and Computer Show, Hamfest Association of Cleveland**
http://www.hac.org; Contact: Hamfest Association of Cleveland, Inc., P.O. Box 81252, Cleveland, OH 44181-0252

Volunteer Exam Dates and Locations

To update or add to this list, please contact Mike DiTurno, KC8OWL, at 216-898-1891 or kc8owl@yahoo.com

<u>Date</u>	<u>Location</u>	<u>Date</u>	<u>Location</u>
7/13	Independence	10/4	Wickliffe
7/20	Elyria	10/19	Elyria
8/2	Wickliffe	11/9	Independence
8/17	Elyria	11/16	Elyria
9/14	Independence	12/6	Wickliffe
9/21	Elyria	12/21	Elyria

Akron, Pioneer AR Fellowship - 2324 Manchester Rd., Akron, OH, 44314. Pre-registration preferred, check-in 6:30 PM, test at 7:00 PM, walk-ins allowed. **Contact:** Ronald D. Lieving, 330-724-5981.

Akron, Summit Co. American Red Cross - 501 W. Market St., Akron, OH, 44303. Testing at 3:00 PM, walk-ins allowed. **Contact:** Bruce M. Ferry, 330-929-2766, ak8b@arrl.net

Bentleyville - Bentleyville Town Hall, 6253 Chagrin River Rd., (corner of Solon Rd & River Rd) Bentleyville, OH 44022. Testing begins at 9:00 AM, walk-ins allowed. **Contact:** Raymond C. Dabkowski, 440-729-0110, w8rd@arrl.net

Canton - Stark Co. Sheriff Office/EOC, 4500 Atlantic Blvd. NE, Canton, OH 44705. Test at 9:00 AM, walk-ins allowed. **Contact:** Gary L. Kline, 330-837-2927, wc8w@raex.com

Cuyahoga Falls - 2015 3rd St., Cuyahoga Falls, OH 44221. Test at 7:00 PM, walk-ins allowed. **Contact:** Steven Greathouse, 330-724-2247.

Elyria - American Red Cross, 2929 West River Rd., Elyria, OH, 44035. Testing at 1:00 PM, park in rear and enter through back door, walk-ins allowed. **Contact:** Charles S. Hall, 216-433-3036, ve@w8hf.com, www.w8hf.com

Independence - Independence Town Hall, 6652 Brecks-ville Rd., Independence OH, 44131. Doors open 9:00 AM. Pre-registration is appreciated, walk-ins are welcome. **Contact:** Gary S. Dewey, 216-642-9705, gdewey@en.com

Wickliffe - Amateur Electronic Supply (AES), 28940 Euclid Avenue, Wickliffe, OH 44092. Testing at 12:00 PM, Walk-ins are welcome. **Contact:** Scott Farnham, 440-256-0320. Do NOT call the store for information on VE testing.

**** HAMFESTS** - Many hamfests provide VE testing. ******

INSTRUCTIONS FOR TEST CANDIDATES

For VE testing one must bring the original and copies of the current license and CSCE forms (if applicable), identification, and the exam fee. ARRL VEC's exam fees are \$12.00. Check with the contact person in advance for specific testing site requirements and any special test accommodations needed.

Special Event Station

Annual Nude Awareness Celebration Special Event Station, Austin, TX

The Naturist Amateur Radio Club, NU5DE, will have a special event station in connection with the Annual Nude Awareness Celebration. Look for it on frequencies 21.365 28.465 14.265 7.265.

Starting Date: 07/07/03, 0000Z
Ending Date: 07/13/03, 2400Z

QSL. Naturist Amateur Radio Club, PO Box 200812, Austin, TX 78720

http://www.eham.net/calendar/details/2553

Editor's Note: I realize that by the time that you are reading this the event is over, but just think, you can pencil it into your calendar for next year. Maybe they do slow-scan.

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LEARA $\frac{3}{4}$ The Lake Erie Amateur Radio Association

VOICE REPEATERS:

53.230/R-
146.76/R-
146.88/R-
224.90/R-
444.40/R+
444.70/R+

- Highland Hills (136.5 Hz tone)
 - Highland Hills (Use 110.9 Hz tone for remote inputs in Lakewood, Newbury & Willoughby)
 - Lakewood (Requires 110.9 Hz tone)
 - Lakewood (141.3 Hz tone)
 - Highland Hills (131.8 Hz tone)
 - 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
NBRYX
LEARA

- 145.07 MHz & 223.70 MHz (KA-NODE)
- 145.07 MHz ⇔ 223.70 MHz Gateway
- 145.07 MHz & 223.70 MHz PBBS

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