



The Spirit of '76 and '88



Newsletter of the Lake Erie Amateur Radio Association

Editor: Joe Prokop KC8RAN

Publisher: Jeannie St. Marie, KC8MNW

This Month's Meeting — April 24, 2007

Radio Astronomy



LEARA's program chair has snagged another great speaker for the upcoming April meeting. The topic will be Radio Astronomy and the speaker will be Hal Braschwitz, W8PN. This program comes highly recommended by those who have heard Hal previously. When you break it down, Radio Astronomy is the ultimate in weak signal work. And there is more out there in the electromagnetic spectrum than we know about. So make your reservations and join us for dinner, or come later for the presentation. Just circle your calendars now and we'll see you at the meeting!

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 around 7:30. 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.

April 2007

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OFFICERS

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Jim Ozello Vice President	N8XDO 216-475-7218
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TRUSTEES

Mike Cegelski	K8EHP
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Bob Winston	W2THU 216-771-3314

TRUSTEES EMERITUS

Al Amster	W8TTY
Fred Collins	W8ADW(SK)
Pat Shreve	W8GRG (SK)
Al Severson	AB8P (SK)

POINTS OF CONTACT

Don Raith "Sunshine"	N8DJG 216-921-7546
Mike Cegelski Radio Officer	K8EHP
Bryan Torok Radio Officer	N8OOF 440-871-5456

The *Spirit of '76 & '88* is published monthly except in December. Contributions must be received before 9:00 on the 2nd Sunday of the month. The newsletter is sent to the publisher on the second Monday of the month

Editor: Joe Prokop, KC8RAN

de N8AUC

Time sure flies when you're having fun, doesn't it? Let me know when I'm having some, OK? I've been pretty out of it for the last couple of weeks. So if this rambles, or isn't quite up to standards, bear with me.

Unfortunately, I was one of those who missed the Skywarn Training program at the March meeting. I can't remember the last time I missed a club meeting. Anyways, this was mainly because I was being discharged from the hospital that evening. But from what I hear, others stepped up to the plate and things went off pretty well. Huge kudos to all who helped pick up the slack in my absence. Hopefully, I'll be back to join all of you for the April meeting. The timing depends on the doctors, and when they schedule things. Because there is some "pretty yucky surgery" in my near future.

What gets you mentally past that spectre? Well, I'm probably not going to make it to Dayton this year, but Field Day is what I'm focusing on. The sooner they get this surgery done, the sooner I can recover from it and be ready in time for Field Day. Field Day, for those who don't know, always the fourth full weekend in June. It is an incredibly fun event, but only if you participate. This year Field Day is on June 23 and 24. So mark your calendars now, round up the camping gear, and plan on joining us for a great time at Field Day.



We're going to need some extra help this year making the Westlake Soccer Tournament happen over Memorial Day weekend. Specifically,

(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 a 501(c)(3) organization, eligible to accept charitable donations. Consult a tax advisor to determine how such donations may affect your taxes.

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**.

(Continued from page 2)

someone to fill in and cover for me during that weekend, because I'm probably not going to be up and around in time for that event. It's not a difficult job, but there is quite a bit of leg work that has to be done in advance. If you can help out and fill in for me with this incredibly worthwhile event, please contact me.

Thanks to all of you who sent a card, gave me a phone call, stopped by to visit, or just extended well wishes while I was hospitalized, or after I was home. I got a real nice get well card from LEARA. You don't really appreciate the camaraderie we all share, until it's you on the receiving end. Don, N8DJG is our "sunshine chairman", and handles the get well card duties for the club. Thanks, Don!

73 de N8AUC

From the Editor

Due to some personal circumstances, I need to step aside from the Editor's post. Maybe in the future I can pick the ball up again, but for now the "real world" is demanding more time of me.

A couple things I want to say before I go...

LEARA enjoys a fine situation, with multiple repeaters on the air, a great monthly meeting situation where we all can relax and enjoy dinner and an interesting program, and most importantly a lot of opportunities as the future unfolds. If you're an inactive member, you don't know what you're missing! Come to meetings, check into the nets and come out to the events. Most of all, get active in the hobby. There's always something new going on somewhere on the bands.

Amateur radio is changing. Less emphasis on technical skills for building radios than, say 20 years ago, has turned the hobby from tinkering to operating. It takes less time and effort to try different modes, bands, and even propagation methods for making contacts. Freeware has opened up digital modes, picture transmission and even moonbounce or meteor scatter transmissions. Thanks to FM satellites, IRLP and Echolink, Tech class licenses are no longer restricted to line-of-sight transmissions. And the recent removal of code requirements makes HF more available to a population of hobbyists who just couldn't break the code barrier.

There is no excuse that I can think of, outside of

cost and time, that one cannot find some enjoyment if there is just a little interest in this fine hobby. Time of course is sometimes hard to find, and dollars can be tight. But, if there is a will, there is a way. It's up to each one of us to find that way!

As editor, a regular at club meetings and one of the net control operators, I have had the chance to meet and greet some of you in one way or another. I can say we share the company of some fine people in this club. I hope time and circumstance continue to allow me to hang around with such great people.

But if I don't get the opportunity, let me say to one and all thanks for letting me be part of this organization as a member, newsletter editor, speaker and trustee. Even if we never met, your being a member has given me an opportunity to try and make the club just a little bit better. I thank you for being a member of this organization.

Until we meet again, 73 de Joe KC8RAN

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.

SSTV Net: "88 at 8!"

LEARA is sponsoring an informal SSTV net on Saturdays on the "88" machine at 8:00PM. This net is open to anyone and everyone. Refer to the January 06 newsletter for hints on how to get started, or check in and we'll get you on the way to exchanging pictures. Check ins are open to anyone, whether sending pictures, receiving pictures only, or just listening in, let us know you are out there!

Net Control Operators Needed...Any member of the Lake Erie Amateur Radio Association interested in trying their hand at directing the weekly net or the SSTV net are encouraged to contact Joe KC8RAN (kc8ran@cox.net) or as listed on page 2. It's a good opportunity to be prepared for emergencies or just to upgrade your operating skills.

See you Thursdays on "76" and Saturday Nights on "88"!

Association News

March Meeting: Skywarn

de N8NAP,
 March door prize winners were: N8OCE,
 KD8ACO, KB8WIB and WB8CQA. There were 2
 NWS "Daily Double" goodie bags for winners of
 Skywarn Jeopardy given out as well. Lori
 KC8MYE won the LEARA buck for a free dinner.

Trustees present agreed to dispense with the business portion of the meeting as we had no reports and needed to get the presentation started. Several upcoming Hamfests were mentioned.

NWS Presentation:

New video clips included: Several crews trying to outrun tornado's, Flooded road collapse after a vehicle drove over it, Why not to leave your vehicle during a baseball sized hailstorm and tornado/gust front/wall cloud/downburst development and differentiation. 1/2" hail is the size of M&M's and the weather service is interested in hail smaller than that as well as it indicates that an updraft is starting to develop.

Some websites of interest:

Cuyahoga County Skywarn www.ccsw.us and they are looking for net control operators. Contact via info@ccsw.us

NWS is replacing and adding NOAA weather transmitters to better cover remote counties. More info at www.nws.noaa.gov/nwr

They will also be issuing warnings for partial counties starting late summer '07.

Remaining Spotter training sessions available at www.erh.noaa.gov/cle/skywarn/training/spottran.html

Spotter training info at www.erh.noaa.gov/cle/skywarn.html

"eSpotter" reports taken at <http://www.espotter.weather.gov>

Watches can be viewed at www.spc.noaa.gov

Warnings at www.weather.gov

(Thanks to Raye for submitting this report!)

Mission Statement

Below is the version of the club's mission statement, as submitted by Club VP Tom, W8TAB. This is a working document and may be revised.

LAKE ERIE AMATEUR RADIO ASSOCIATION
 Mission Statement

LEARA's Mission is to promote and foster for its members the enjoyment of Amateur Radio.

The Club will do this by promoting the acquisition of knowledge though continuing education, licensing upgrades, the passion for ownership of Amateur Radio equipment and accessories, for collecting, and most of all, operating the Amateur Radio Equipment for which they are licensed.

We will accomplish our mission through the sponsorship of;

- Educational programs & courses
- Promoting license upgrades
- Continuing education courses for all the above
- Club sponsored events and activities
- Community Service & Public Service Projects
- Charity Projects
- By supporting Hamfests, trade shows and other amateur radio events
- By designing, installing and maintaining a comprehensive state of the art repeater network
- By promoting the training of amateur radio operators for emergency and public service, especially during periods of disaster or emergency

ARRL News (from the ARRL Letter)

DXING ON 60 METERS HAS DOWNSIDE, ARRL NOTES The ARRL is expressing concern that negative consequences could result from chasing DX on 60 meters. Some DXpeditions have announced plans to operate on Amateur Radio's only channelized band, where amateur operations hold secondary status to fixed service operations, including some US government stations. ARRL CEO David Sumner, K1ZZ, says that while it's legal for DXpeditions to operate on the 5-MHz band provided the licensing administration extends privileges there, DX pileups on 60 meters pose the potential for real and unique problems.

"US amateurs are limited to five channels on 60 meters, USB only, maximum effective radiated power (ERP) of 50 W, audio bandwidth not exceeding 2.8 kHz, and not all of the channels are useable because of ongoing fixed service operation," Sumner points out. "It is absolutely imperative that any amateur transmitting on a 60 meter channel be prepared to relinquish the channel immediately upon being requested to do so" by a primary service user. Among other things, Sumner says, this means constantly monitoring the transmitting channel, thus ruling out any split-frequency operation while using a single-channel receiver.

The Swains Island N8S DXpedition, just under way, announced plans on its Web site to operate SSB on the 60-meter frequency of 5.4035 MHz, although that band was not among those on an updated frequency list released this week. While Sumner said he wasn't singling out the N8S operation, working into the South Pacific on 5 MHz running just 50 W ERP on phone would be a challenge under the best of circumstances. "Amateurs must resist the temptation to exceed the radiated power limit," Sumner stressed. He also warned amateurs in countries that do not authorize amateur operation on 60 meters to resist the temptation to make contacts on the band. Radio amateurs transmitting on a 5 MHz frequency without authorization, Sumner asserts, not only are breaking the law but are putting their continued participation in the ARRL DXCC program in jeopardy. "Anyone who submits a 5 MHz confirmation for DXCC credit may be asked to provide evidence that their operation on that frequency was authorized," he said. Even countries that authorize operation on 60 meters

impose the express condition Amateur Radio stations not cause harmful interference to fixed and mobile service stations. "Should such interference occur and not be immediately corrected, it will place in jeopardy our existing limited privileges, our chances of increasing those privileges on a domestic basis, and any chance we might have of ever obtaining an international allocation," Sumner emphasized.

Last fall, the ARRL asked the FCC to expand 60 meter operating privileges and substitute a new channel for one that's often occupied by a federal government user. The League filed a Petition for Rule Making (PRM) October 10. The petition said amateurs have proven, through interference-free operation on the five channels, that compatible sharing of the channels is possible. The League wants the FCC to authorize radio amateurs of General and higher class to run 100 W ERP and to allow Morse code and data communication. It also asks the Commission to replace the 5368.0 kHz center-frequency channel with 5358.5 kHz, so amateurs can avoid federal government digital traffic on the current channel. If the FCC goes along with the ARRL's suggested changes, operation on 60 meters would remain on a secondary basis, and radio amateurs would still have to avoid interfering with incumbent federal government and other services. In an unrelated move, the ARRL has supported efforts to have World Radiocommunication Conference 2007 (WRC-07) establish a worldwide secondary amateur allocation of 5.260 to 5.410 MHz. A participating national administration must formally propose the change for it to be considered this fall at WRC-07.

HAM RADIO HELPS BRING SPACE TRAVEL TO LIFE FOR YOUNGSTERS

Thanks to the magic of Amateur Radio, students in Japan and Belgium are among the latest to learn about life aboard the International Space Station right from members of the crew. The Amateur Radio on the International Space Station (ARISS) program arranged the March 24 contact between Expedition 14 Commander Mike

(Continued on page 6)

Lopez-Alegria, KE5GTK, and youngsters at the Juvenile Space Club in Tatsuno, Japan, and the March 27 QSO between Expedition 14 Flight Engineer Suni Williams, KD5PLB, and students attending the International School of Brussels in Belgium. Lopez-Alegria told the Tatsuno students how he deals with stress aboard the ISS. "Well, you know we have some good exercise equipment, and sometimes it's good to work out," he said. "It makes you sweat, and that helps out a lot." Sweaty workouts notwithstanding, Lopez-Alegria said ISS crew members sometimes wear the same pieces of clothing for weeks. "We wear the shirts for about a week, our socks for about a week and we wear our shorts for up to a month," he said. There's no laundry aboard the ISS. Crew members simply dispose of their soiled clothing in the trash. The control operator at 8J0T was Yoshihiro Kuribayashi, JA0AWK, an elementary school principal. Twenty youngsters from three elementary schools participated in the ARISS event, and Lopez-Alegria was able to answer 16 of their questions during the approximately eight-minute contact. An audience of about 100 was on hand for the contact, and media included four TV stations -- including national network NHK -- and four newspapers. ARISS Mentor Satoshi Yasuda, 7M3TJZ, said NA1SS qualified for the All Japan District Award as a result of the successful contact with NA1SS.

Florida fire department honors radio amateur:

The 2007 Firefighter of the Year in Dania Beach, Florida, is Steve Adams, N4JRW -- a firefighter and emergency medical technician (EMT). A 31-year fire department veteran was cited for his "unselfish dedication to the department and his fellow firefighters." An ARRL member, Adams says he's participated in a lot of public service and emergency operations. "I am very proud of this honor," he told the League. "I was totally taken by surprise." Adams oversees the ham radio program for the Dania Beach and Hollywood emergency operations centers (EOCs). During hurricane emergencies, Adams and his son Josh, N4OSO, staff both EOCs. Over the years, Adams has spent many hours of his own time to put the best equipment and procedures in place so Amateur Radio can back up normal telecommunications in an emergency or disaster. Ham radio also permits the local EOC to link with the Broward County EOC.

Big Events ! (The "Be there or be square" ones!)

**May 18,19 and 20
Dayton Hamvention
Details at www.hamvention.org**

**22 Sep 2007
ARRL Great Lakes Div Convention www.gldc.com
Preliminary Agenda:
11:30 / 11:55 Opening of Convention
12:00 / 12:55 Seminars by Bob Heil K9EID and Chip Margelli
K7JA, Heil Sound**

Room 1
1:00/3:55 All about DX & DXpeditions

Room 2
1:00/1:55 Dan Miller, K3UFG Emergency comm
2:00/2:55 ARDF-Bob Frey WA6EZV & Dick Arnett WB4SUV
3:00/3:55 AMSAT Jim Sanford WB4GCS Eagle Project Manager

4:00 / 4:55 seminar - Antennas/Contesting by Tim Duffy K3LR
5:00 / 5:55 Jim K8JE division awards ceremony
6:00 / 7:00 social gathering
7:00 to closing banquet - speaker Joel Harrison W5ZN President
ARRL
30/40 minutes for Wouff Hong at end

**23 Sep 2007
Cleveland Hamfest & Computer Show
Hamfest Association of Cleveland, Inc.
<http://www.hac.org> (email-click here)
Berea, OH
Cuyahoga County Fairgrounds
164 Eastland Road
Talk-In: 146.73 MHz (PL 110.9)
Contact: William Beckman, N8LXY
Hamfest Association of Cleveland, Inc.
PO Box 81252
Cleveland, OH 44181-0252
Phone: 800-CLE-FEST
Email: on Web site click on e-mail**

Public Service Events:

May 20 Cleveland Marathon (contact Jerry Steele KC8CMI Gdsteele@yahoo.com)

May 26-27 Westlake Soccer Tournament contact Eric N8AUC n8auc@hamnet.org)

June 23-24 Field Day

August 5 Cleveland Triathlon

Hamfest Listing

15 Apr 2007

52rd Annual Hamfest, Electronics, & Computer Show

Cuyahoga Falls ARC

<http://www.cfarc.org/hamfest2007.htm>

Cuyahoga Falls, OH

Emidio & Sons Party Center

48 East Bath Road

Talk-In: 147.27

Contact: Ted Sarah, W8TTS

239 Bermont Avenue

Munroe Falls, OH 44262

Phone: 330-688-2013

Email: hamfest2007@cfarc.org

14 Jul 2007

NOARSFEST

Northern Ohio ARS

Wellington, OH

Lorain County Fairgrounds

Route 18

<http://www.noars.net>

Talk-In: 146.70- (open repeater)

Contact: Thomas Porter, W8KYZ

161 Herrmann Drive

Avon Lake, OH 44012

Phone: 440-930-9115

Email: tporter161@oh.rr.com

29 Jul 2007

Portage Hamfair 2007

Portage Amateur Radio Club, Inc.

<http://www.hamfair.com>

Randolph, OH

Portage County Fairgrounds

4215 Fairgrounds Road

Talk-In: 145.39 MHz -600

Contact: Joanne Solak, KJ3O

9971 Diagonal Road

Mantua, Ohio 44255

Phone: 330-274-8240

Fax: 330-274-8527

Email: KJ3O@arrl.net

19 Aug 2007

50th annual Warren Amateur Radio

Association Hamfest

Warren Amateur Radio Association

www.w8vtd.org or www.kc8pvh.com

Warren, OH

Trumbull County Fair Grounds

899 Everett Hull Rd. Cortland, Ohio

44410

Talk-In: 146.970

Contact: Jacqueline Cassidy, KD8DNE

293 Maplewood Dr. Apt 307

Cortland, Ohio 44410

Phone: 330-240-1824

Email: kd8dne@yahoo.com

Volunteer Exam Dates and Locations

(from the ARRL website)

13-May-2007

Sponsor: CUYAHOGA ARS

Time: 9:00 AM (Walk-ins allowed)

Contact: GARY S DEWEY

(216)642-8705

Email: GDEWEY@EN.COM

Location: TOWN HALL

6652 BRECKSVILLE RD

STATE ROUTE 21

INDEPENDENCE, OH 44131

20-May-2007

Sponsor: LORAIN COUNTY ARA

RED CROSS

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

Contact: CHARLES S HALL

(216)433-3036

Email: VE@W8HF.COM

Location: AMERICAN RED CROSS

2929 W RIVER RD N

WWW.W8HF.COM (HOME PAGE)

ELYRIA, OH 44035

02-Jun-2007

Sponsor: LAKE COUNTY ARA

Time: 12 NOON (Walk-ins allowed)

Contact: SCOTT FARNHAM

(440)256-0320

Email: [SCOTTFARN-](mailto:SCOTTFARNHAM@ADELPHIA.NET)

[HAM@ADELPHIA.NET](mailto:SCOTTFARNHAM@ADELPHIA.NET)

Location: KIRTLAND LIBRARY

9267 CHILLICOTHE RD

ROUTE 306

1.7 MI S OF I-90

KIRTLAND, OH 44094

02-Jun-2007

Sponsor: PORTAGE COUNTY ARS, INC

Time: 10:00AM (Walk-ins allowed)

Contact: JAMES J AYLWARD

(330)297-7979

Email: KC8PD@PORTCARS.ORG

Location: CENTER OF HOPE

1034 W MAIN ST

RAVENNA, OH 44266

05-Jun-2007

Sponsor: CUYAHOGA FALLS ARC

Time: 7:00 PM (Walk-ins allowed)

Contact: BRUCE M FERRY

(330)929-2766

Contact: SEE WEB PAGE

Location: STOW-MUNROE FALLS

PUBLIC LIBRARY

3512 DARROW RD

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

STOW, OH 44224

17-Jun-2007

Sponsor: LORAIN COUNTY ARA RED CROSS

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

Contact: CHARLES S HALL

(216)433-3036

Email: VE@W8HF.COM

Location: AMERICAN RED CROSS

2929 W RIVER RD N

WWW.W8HF.COM (HOME PAGE)

ELYRIA, OH 44035

08-Jul-2007

Sponsor: CUYAHOGA ARS

Time: 9:00 AM (Walk-ins allowed)

Contact: GARY S DEWEY

(216)642-8705

Email: GDEWEY@EN.COM

Location: TOWN HALL

6652 BRECKSVILLE RD

STATE ROUTE 21

INDEPENDENCE, OH 44131

Upcoming LEARA Club Meetings:

May 29 Richard Price from Bull Dog Battery

June 23 Field Day

July 31 Picnic & Foxhunt with Mike K8EHP

Aug 28 t.b.d.

Sept 25 Incident Management - Timothy R. Lanese, RPh, MBA, FASHP

Oct 30 Election

Nov 27 Holiday Party

(programs subject to change, except for Field Day, Elections and Holiday Party)

LEARA

PO Box 22823
Beachwood OH 44122-0823

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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

INTERNET:

- www.leara.org
- To subscribe via e-mail, send a message to: spirit76-request@leara.org
Put subscribe in the subject area and your name and callsign in the body.
Those who subscribe via e-mail will not receive a paper copy.

Affiliated



Club

Northern Ohio



Affiliate