



The Spirit of '76 and '88



Newsletter of the Lake Erie Amateur Radio Association

Editor: Ron Jakubowski, K2RJ

Publisher: Jeannie St. Marie, KC8MNW

IRLP Program by Jeff Garvas, N8NYR May 27, 2008 Dimitri's Dinner Meeting

Our program this month features our own IRLP expert and Trustee, Jeff Garvas, N8NYR, who is returning to discuss the finer points of IRLP, Internet Repeater Linking Protocol which allows for simple linking of any two repeaters anywhere in the world. This program is very timely, as the Trustees are working to debug the IRLP interface to the 146.88 repeater.

The dinner and meeting are at the usual place, Dimitri's Restaurant, at 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 A.M. 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 www.leara.org and make your reservation through the club's website. -AR-

FCC Looks to Raise Vanity Call Sign Fees

via ARRL

The FCC released a Notice of Proposed Rulemaking and Order (NPRM) on May 8 seeking to raise fees for Amateur Radio vanity call signs. Currently, a vanity call sign costs \$11.70 and is good for 10 years; the new fee, if the FCC plan goes through, will go up to \$12.30 for 10 years, an increase of \$0.60.

The vanity call sign fee has fluctuated over the 12 years of the current program -- from a low of \$12 to a high of \$50; the current fee of \$11.70 is the lowest the fee has been since the inception of the vanity call sign program. The vanity call sign regulatory fee is payable not only when applying for a new vanity call sign, but also upon renewing a vanity call sign for a new term. The first vanity call sign licenses issued under the current Amateur Radio vanity call sign program that began in 1996 came up for renewal two years ago. Those holding special-



LEARA is an Affiliated Club of the ARRL. If LEARA members join or renew their ARRL membership through the club, the LEARA treasury gets to "pocket" a portion of your dues. Another neat way to support your local club!

issue call signs issued prior to 1996 are exempt from having to pay the fee at renewal, however, since they are not listed as "vanity" callsigns in the FCC database. Congress did not authorize the FCC to collect the regulatory fees until 1993.

OFFICERS

Eric Jessen President	N8AUC 440-734-3146
Jim Ozello Vice President	N8XDO 216-475-7218
Mike Cegelski Vice President	K8EHP
Bob Winston Secretary	W2THU 216-771-3314
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Eric Jessen License Trustee	N8AUC 440-734-3146

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Gary Zimmet	WA8TJL
Marv Grossman	W8AZO 440-248-0031
Jacob Kinosh	KC8GHX 440-989-8170
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John Radney	KC8FOC 216-751-7067
Bryan Torok	N8OOF 440-871-5456
Alex Manuk	WD8JMM
Jeff Garvas	N8YNR 216-552-4368

TRUSTEES EMERITI

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 by the 2nd Sunday of the month.

Editor: Ron Jakubowski, K2RJ

E-mail: editor@leara.org

The Prez Says

by Eric Jensen, N8AUC



They say April showers bring May flowers. Around our house that certainly seems to be the case. The tulips and daffodils sure did their thing in Robin's flower bed this spring. Of course that means spring in Cleveland, and spring brings on public service event season for LEARA. This year is certainly no exception. But it also brings other fun stuff.....

First and foremost, is the granddaddy of hamfests, the Dayton Hamvention. I'm looking forward to a great weekend in Dayton on May 17 and 18, and I hope to see a lot of you there, sporting your LEARA badges. With any luck, the weather will be nice in Dayton for Hamvention weekend, but it's still springtime in Ohio, so I'm bringing a jacket and an umbrella just in case. For details about hamvention, in case you don't already have your tickets ordered, go to <http://www.hamvention.org>. It's probably too late now to order advance tickets, but you can still get them at Hara Arena, I'm sure. If you're worried about gas prices, then find somebody to car pool with and split the expenses. It's definitely worth the trip. It's like everything in the back of QST magazine comes to life before your very eyes. Then there's the Icom booth....but I'm gonna stop there. If you've been before then you know what I'm talking about. If not....then you really should go and see for yourself. Winning one of the prize drawings on Sunday really could affect your income tax bracket. There are some seriously high value door prizes to be won at Dayton. It's not like any other hamfest you've EVER seen, and really IS something to experience. I can't recommend it highly enough!

Of course, one of the guys you'll probably see in Dayton was our speaker from the April meeting, Al, K8EUR. Now part of the team at DX Engineering, Al did a great job showing off some of the antenna related goodies they make. Neat stuff. Especially if you have a vertical antenna for HF. I've been thinking about another 4BTV, since I had one many years ago as a novice. DX Engineering has some nifty accessories for the 4BTV that I wish I'd had back then. Thanks for coming out to visit with us, Al. For those of you who missed it, well.....

(Continued on page 3)

The Lake Erie Amateur Radio Assn., Inc., **LEARA**, is a not-for-profit [501(c)(3)] organization dedicated to Amateur Radio and 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 \$25.00. **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 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 on the second Saturday of odd numbered months at 9 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**.

(Prez Says continued from page 2)

In the congratulations department...now sit down...you might not believe this....but congrats go out to Darren K8DMT. He passed his Extra Class exam. Way to go, Darren! Now...you get to learn that there is life in Ham Radio below 50 MHz. Especially since you now have all amateur privileges. Just wait until the DX bug bites you! Now for the rest of you who have been procrastinating, or don't think you can do it, I've got news for you. If Darren can do it, so can you. There are no excuses anymore.

Memorial Day Weekend, May 24 and 25, is one of the

biggest public service events of the year for LEARA. That's the Westlake Invitational Soccer Tournament, headquartered at the Westlake Rec Center, off of Center Ridge Road in Westlake, OH. Some folks have volunteered already, and for those of you who have, I'd like to thank you profusely! But we are still in need of lots of help. Please pitch in to lend a hand with this very worthwhile event. You can call me at the number listed here in the newsletter for more info, or to volunteer.

Hope to see LOTS of you at Dayton, Westlake, and the May LEARA meeting on the 27th at Dimitri's.....until then.....73 de N8AUC (da prez) -AR-



Al Dolgosh, K8EUR, of DX Engineering shows a vertical mount to KA8BZPB and N8OOF.

Upcoming Public Service Events:

May 24, 25—Westlake Soccer Tournament
(*Eric, N8AUC*)

August 3—Cleveland Triathlon (*Tom Kimball, KA8BZB*)

August 16, 17—Pedal to the Point (*Jeff Garvas, N8NYR*)

Upcoming LEARA Club Meetings:

June 21, 22—Field Day

July 29—PICNIC

August 26—Ron Jakubowski, K2RJ—RF Filters.

September 30—First Energy-High Voltage Safety

SKYWARN News

by Don Byrer, KJ5KB, Cuyahoga County Skywarn

1983: A Quarter-Century Flashback

From Cleveland Chapter 1, QCWA

When severe weather is near, we will activate a Standby Weather Watch net. On .76 you can identify this by a Morse S or ··· courtesy tone. This is an "open net" or "free net"; stations are free to contact each other directly without net control permission. We appreciate keeping your transmissions short and leaving pauses between them. Please yield to breaking stations, as they may have significant traffic to pass. ANY traffic, severe or non-severe, may be passed during a Standby net.

When severe weather has been identified, or a warning has been issued, we'll activate a Directed Severe Weather net. On .76 you can identify this by a Morse W or ·-·- courtesy tone. At this time, the repeater is closed and all traffic must pass through net control. Please keep transmissions brief, and limited to: Tornados, Funnel Clouds, Wall Clouds, Wind exceeding 50 miles/hour, Hail (any size), Flooding in progress, and Storm Damage reports.

When able, we may take check-ins during a directed net; please check in only when called. Please note that many other local county Skywarn nets do NOT take check-ins during an event. We prefer you report via your local county net, but will take your reports if you can't.

NE Ohio Skywarn Frequencies:

Cuyahoga	146.760/R	110.9	146.880/R	110.9
Lorain	147.150/R	110.9	146.700/R	
Medina	147.030/R	141.3	146.895/R	71.9
Summit	147.135/R	110.9	147.270/R	110.9
Portage	145.390/R	110.9	145.68	CSQ
Geauga	147.015/R	110.9	147.210/R	110.9
Lake	443.700/R	131.8	147.210/R	110.9
North Central (covers Lorain/Erie/Huron)	146.625/R	110.9		

As always, we can use your help in running the nets, or as a liaison to relay reports. It's easy, and training is provided. If interested, please contact me at : kj5kb@hotmail.com. -AR-

The year 1983 was a newsworthy one for Amateur Radio. Ronald Reagan was President then when Owen Garriott, W5LFL, became the first ham in space. Nearly 300 worked him on two meters as he orbited the earth.

Band conditions were good then, enabling Midwestern operators to chat with South Americans on 10 and 15 meters. Compact disks were replacing vinyl LPs in 1983 and a first-class stamp was only 21 cents. Computers were being used by radio hams, with a book showing how to use a TRS 80 to send RTTY.

Popular rigs of a quarter century ago included the Kenwood TS-830S and Yaesu FT-102, both with 6146B final tubes. These were being replaced by new solid-state TS-430S and TS-930S transceivers. ICOM offered its IC-740 covering 160-10 meters, while Ten-Tec's Corsair HF model was advertised at \$1,169. Those who enjoyed building gear could select a Ten-Tec 200 milliwatt MX2HT kit for two meters at \$129.95. Cubex also offered a two-element, three-band quad kit for \$189.

The invasion of the Caribbean island of Grenada was reported to the world by two hams there: KA2ORK and J37AH. They told the details on 20 meters. Also during 1983, Amateurs provided communications during Hurricane Alicia and floods in Louisiana and California.

FCC actions in 1983 included a veto of ARRL's request to allow Novices to operate 'phone in the 220-225 MHz band; dropping the requirement to keep station logs; extending the terms of ham licenses to 10 years; and authorizing the AMTOR digital teleprinter mode. A controversial issue introduced by the FCC was the possibility of a code-free Amateur Radio license. After polling its members, the ARRL opposed the idea, and the FCC agreed. License examinations by a corps of volunteer Amateur examiners were authorized by the FCC in 1983. Senator Barry Goldwater, K7UGA, introduced a bill in Congress to permit collection of out-of-pocket expenses by VEs.

And that's the way it was a quarter century ago. If you've been licensed since 1983, you qualify for membership in an elite corps of fellow veteran operators who make up the Quarter Century Wireless Association (QCWA). Many member benefits and application information for QCWA and Cleveland Chapter One are posted on the Web: <http://www.qsl.net/W8LYD>. -AR-

LEARA "On The Air"

Club Net Information

by David Noeth, KD8ACO

Wednesday Skywarn Practice Net

Skywarn practice nets returned in February 2008 on the 146.760 (- offset, 110.9 PL) repeater and will continue on Wednesday nights at 8:00 PM local time until fall. Everyone is welcome! The 146.880 (- offset, 110.9 PL) repeater is used, when needed, as a backup. Skywarn nets may be activated on one of these repeaters anytime threatening weather is approaching.

Don, KJ5KB, reports that April 11th yielded multiple severe thunderstorm and tornado warnings in Cuyahoga and neighboring counties. Thank you to all of the twenty-two Skywarn spotters who checked in during lulls in the weather. It is sure nice to know who's out there and where you are located. Your participation is appreciated!

During the past month, the weekly Wednesday Skywarn Practice Net had a total of thirty check-ins. The following were recorded to have participated:

Gerry K8CMI, Steve K8SAS, Terry K8TJM, Lilly KB8MHZ, Chuck KC8EHA, Mark KC8FQV, Marc KC8SIE, David KD8ACO, Rich KD8FVJ, Tom N8UAZ, Matt W8EBB, and Russ WB8UPA.

Net Control Stations: Don KJ5KB.

Thursday Club Net

The Lake Erie Amateur Radio Association's weekly club net is held every Thursday evening at 8:00 PM local time 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. You do not have to be a member of LEARA to participate.

Since the club net is a practice and informal net, LEARA would like to recognize those who take the time to check in and keep the net active and alive. During the past month, the weekly Thursday Club Net had a total of forty-nine check-ins. The following were reported by our net control stations to have participated:

Gene K8ECL, Mike K8EHP, Steve K8SAS, Terry K8TJM, Chuck KC8EHA, Mark KC8FQV, Steve KC8JMG, Jeannie KC8MNW, Marc KC8SIE, Jeanne KC8TJH, David KD8ACO, Eddie KD8FTS, Ken KG8DN, Don KJ5KB, Fred N8CPI, Howie N8CXA, John N8OBJ, Steve N8OHT, Tom N8UAZ, Bill N8UPZ, Bob W2THU, Matt W8EBB, Stuart W8STU, and Gary WA8TJL.

Net Control Stations: Ken KG8DN, Bob W2THU, Terry K8TJM, and Eric N8AUC.

Letter From the Editor: Local News Requested

by Ron Jakubowski, K2RJ

Dear LEARA members,

In my striving to keep the LEARA newsletter about the LEARA and its members' activities, I would like to see more content FROM the membership. I'd like to hear about plans for public service events, or reports of activity at past events, meetings, antenna raising parties, other building projects, hamfest reports, etc. It doesn't have to be fancy... any text is fine, even a simple e-mail. I can dress it up, and pictures are always helpful. Just send them to editor@leara.org. -AR-

Saturday SSTV Net

The Lake Erie Amateur Radio Association's weekly slow scan TV net is held every Saturday evening at 8:00 PM local time on the 146.880 (- offset, 110.9 PL) repeater.

The slow scan TV software recommended is MMSSTV. This free software is available online, just google MMSSTV for a wealth of information. However, any SSTV program can be used. Are you new to this mode of operation? Contact any of the net control stations for assistance getting started! Even if you don't have a slow scan TV setup yet, you're still welcome to check in to the net just to say hello.

During the past month, the weekly Saturday SSTV Net had a total of eleven check-ins. The following were recorded to have participated:

Terry K8TJM, Matt KB1LCS, Mark KC8FQV, Aaron KC8MXW, David KD8ACO, Eddie KD8FTS, and Bill N8IJG.

Net Control Stations: Terry K8TJM and John N8OBJ.

Wanted! Net Control Stations

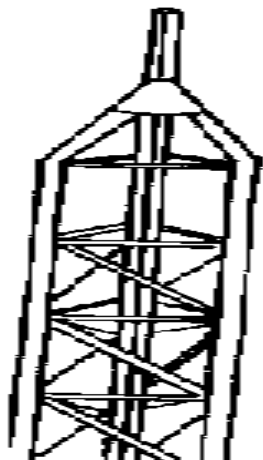
Interested in practicing your net control skills? Any member of the Lake Erie Amateur Radio Association can be a net control operator for one or all of the nets held on one of the club's repeaters. Never tried it you say? No problem. Now would be a really good time to start. No lines ... no waiting. It's as easy as getting in touch with me and we'll schedule you into the rotation. If you should have any questions or requests for assistance to get started, just contact me at one of our club meetings or by using any of my contact information in the membership directory. Hope to talk with you on the air soon! -AR-

Hamfest Listing

30-31 May 2008 Atlantic Division Convention (Rochester Hamfest)
 Rochester Amateur Radio Assn.
<http://www.rochesterhamfest.org>
 Talk-In: 146.88 (PL 110.9)
 Contact: Harold C. Smith, K2HC
 300 White Spruce Blvd
 Rochester, NY 14623
 Phone: 585-424-7184 (office) or 585-225-5260 (home)
 Email: rochfst@frontiernet.net
 Henrietta, NY
 Fair and Expo Center & RIT Inn & Conference Center
 2695 East Henrietta Road
 5257 West Henrietta Road

1 Jun 2008 Breezshooters ARC Hamfest and Computer Show
<http://www.breezshooters.net>
 Talk-In: 147.300 (no tone)
 Contact: Robert W. Benna, N3LWP
 1010 Willow Drive Pittsburgh, PA 15237-2225
 Phone: 412-366-0488
 Fax: 412-366-0486
 Email: n3lwp@verizon.net
 Butler, PA, Butler Farm Showgrounds, Route 68

12 Jul 2008 NOARSFEST: Northern Ohio Amateur Radio Society
<http://www.noars.net>
 Talk-In: 146.70- (open repeater)
 Contact: John Schaaf, K8JWS
 PO Box 35
 Avon Lake, OH 44012
 Phone: 216-696-5709
 Email: noarsfest2008@noars.net
 Wellington, OH
 Lorain County Fairgrounds
 Route 18



Volunteer Exam Dates and Locations

(from the ARRL website)

18-May-2008

Sponsor: LORAIN COUNTY
 ARA RED CROSS
 Time: 1:00 PM (Walk-ins allowed)
 Contact: CHARLES S HALL
 (216)433-3036
 Email: VE@W8HF.COM
 VEC: ARRL/VEC
 Location: AMERICAN RED
 CROSS
 2929 W RIVER RD N
 WWW.W8HF.COM (HOME
 PAGE)
 ELYRIA, OH 44035

19-May-2008

Sponsor: MEDINA TWO METER
 GROUP
 Time: 6:30 PM (Walk-ins allowed)
 Contact: FRED J HELWIG
 (440)236-3477
 Email: K8FH@ALLTEL.NET
 VEC: ARRL/VEC
 Location: MEDINA COUNTY
 CAREER CENTER, RM 227
 1101 WEST LIBERTY ST RT 18
 CALL OR EMAIL TO RESERVE
 SPACE
 K8FH@ARRL.NET
 MEDINA, OH 44256

25-May-2008

Sponsor: WARREN ARA
 Time: 6:30 PM (Walk-ins allowed)
 Contact: WILLIAM H SHOWERS
 (330)872-1929
 VEC: ARRL/VEC
 Location: NEWTON FALLS
 COMMUNITY CENTER
 52 E QUARRY ST
 REGISTRATION AT 6:30 PM!
 NEWTON FALLS, OH 44444

03-Jun-2008

Sponsor: CUYAHOGA FALLS
 ARC
 Time: 7:00 PM (Walk-ins allowed)
 Contact: BRUCE M FERRY
 (330)929-2766
 VEC: ARRL/VEC
 Location: STOW-MUNROE
 FALLS PUBLIC LIBRARY
 3512 DARROW RD

[HTTP://WWW.AK8B.US/VE](http://WWW.AK8B.US/VE)
 STOW, OH 44224

07-Jun-2008

Sponsor: PORTAGE COUNTY ARS,
 INC
 Time: 10:00AM (Walk-ins allowed)
 Contact: JAMES J AYLWARD
 (330)297-7979
 Email: KC8PD@PORTCARS.ORG
 VEC: ARRL/VEC
 Location: CENTER OF HOPE
 1034 W MAIN ST
 RAVENNA, OH 44266

07-Jun-2008

Sponsor: LAKE COUNTY ARA
 Time: 12 NOON (Walk-ins allowed)
 Contact: SCOTT FARNHAM
 (440)256-0320
 Email: SCOTTFARN-
 HAM@ROADRUNNER.COM
 VEC: ARRL/VEC
 Location: KIRTLAND LIBRARY
 9267 CHILLICOTHE RD
 ROUTE 306
 1.7 MI S OF I-90
 KIRTLAND, OH 44094

14-Jun-2008

Sponsor: GOBA HAMS
 Time: 2:30PM (Walk-ins allowed)
 Contact: SAMUEL J SLATTERY
 (740)592-6124
 Email: N8SUZ@ARRL.NET
 VEC: ARRL/VEC
 Location: LORAIN COUNTY FAIR-
 GROUNDS BUILDING 22
 2300 FAIRGROUNDS RD
 WELLINGTON, OH 44090

15-Jun-2008

Sponsor: LORAIN COUNTY ARA
 RED CROSS
 Time: 1:00 PM (Walk-ins allowed)
 Contact: CHARLES S HALL
 (216)433-3036
 Email: VE@W8HF.COM
 VEC: ARRL/VEC
 Location: AMERICAN RED CROSS
 2929 W RIVER RD N
 WWW.W8HF.COM (HOME PAGE)
 ELYRIA, OH 44035

April Meeting Pictures



If You Miss a LEARA Meeting, You Miss a Lot!



LEARA Short Takes

- Congratulations to Todd McMillan, son of Jim, WA8ZHN who has just earned his Eagle Scout Radio Merit Badge. He is a Senior at Rocky River HS and is currently working on his senior project in the Chemical Engineering Dept. at Cleveland State Univ. He will attend Purdue Univ. way out in 9-land this fall.
- Our Treasurer Dave Foran, WB8APD, had a minor back operation this month and is now in fine shape for doing Dayton again this year. He will be accompanied for the first time by his wife Marti, WB8THD, who retired this year.

Welcome New Members

- William Klepatsky, **K8NJU** (Extra)
 - Brian Gibbons, **N8BBG** (General)
 - Laura Gibbons, **N8THC** (Technician)
- They are harmonics (or “giblets”, as he calls them!) of John Gibbons, **N8OBJ**

Ronald A Parise, WA4SIR (SK)

Via ARRL

Dr Ronald A. Parise, PhD, WA4SIR, passed away Friday May 9, 2008 after a very long and courageous battle with cancer. He was 57. Parise flew as a payload specialist on two space shuttle missions: STS-35 on Columbia in December 1990 and STS-67 on the Endeavour in March 1995. These two missions, ASTRO-1 and ASTRO-2 respectively, carried out ultraviolet and x-ray astronomical observations, logging more than 614 hours and 10.6 million miles in space. Amateur Radio on the International Space Station (ARISS) Chairman Frank H. Bauer, KA3HDO, said Parise's personal contributions to these



two missions provided scientists with "an unprecedented view of our universe, expanding our understanding of the birth, life and death of stars and galaxies."

First licensed when he was 11, Parise kept Amateur Radio at the forefront of everything he did, including his operations from space. During his two shuttle flights, he

spoke with hundreds of hams on the ground. He was instrumental in guiding the development of a simple ham radio system that could be used in multiple configurations on the space shuttle; as a result, his first flight on Columbia ushered in what Bauer called the "frequent flyer era" of the Shuttle Amateur Radio Experiment (SAREX) payload. He was the first ham in space to operate packet radio. "His flight pioneered the telebridge ground station concept to enable more schools to talk to shuttle crew members despite time and orbit constraints," Bauer said. "In his two shuttle flights, he inspired countless students to seek technical careers and he created memories at the schools and communities that will never be forgotten. Ron was also the ultimate ham radio operator -- in space and on the ground."

Bauer said that Parise's love for Amateur Radio and his love of inspiring students continued well beyond his two shuttle flights: "During the formation of the ARISS program, he was a key volunteer in the development of the ham radio hardware systems that are now on-board ISS. The ARISS team is deeply indebted to WA4SIR for his leadership, technical advice and tremendous vision."

In an effort to continue Parise's work to inspire the next generation, his family has set up a scholarship fund in Parise's honor for students pursuing technical degrees at Youngstown State University, Parise's alma mater. In lieu of flowers, those interested are welcome to send donations to the Dr Ronald A. Parise Scholarship Fund, Youngstown State University, One University Plaza, Youngstown, OH 44555.

LEARA — The Lake Erie Amateur Radio Association

-Serving Greater Cleveland Since 1969-

VOICE REPEATERS:

53.230/R-

146.76/R-

146.88/R- IRLP

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

INTERNET:

- www.leara.org
- To subscribe via e-mail, send a message to: spirit76-request@leara.org