

# The Spirit of '76 and '88



**November** 

Newsletter of the Lake Erie Amateur Radio Association

2018

Ken Kane, KG8DN, Editor



Just over a year ago when Scott Yonally, N8SY, updated us on the ARRL Ohio Section, we enjoyed the remodeled and enlarged dining room at TEAMZ in Middleburg Heights.

(So we decided to go back...)

The November 27, 2018 LEARA meeting will be at Teamz Restaurant and Bar, located at 6611 Eastland Road in Middleburg Heights, Ohio 44130.

As usual, dinner will begin at 6:30 pm followed by the club meeting. The cost will be \$25 per person. Advance reservations are required.

Reservations may be made on the club website at <a href="http://www.leara.org">http://www.leara.org</a>, or by calling Marv

Grossman (W8AZO) at **440-248-0031**. Dinner will be served buffet style, and will include Chicken Marsala, Roast Beef, Mashed Potatoes, and Green Beans.

Salad, dinner rolls, water, coffee, tea, and soft drinks are included.

A dessert tray with Cookies, Brownies, Cream Puffs, and Eclairs will also be provided.

Alcoholic beverages can be purchased separately.

Please let us know if you have any special dietary needs or concerns.

Reservations must be submitted by, November 25th, the Sunday before the meeting.

We hope to see you there.

Venue

#### **OFFICERS** and TRUSTEES

| President           | btorok@sbcglobal.net |
|---------------------|----------------------|
| Eric Jessen         | N8AUC                |
| VP, License Trustee | 440-734-3146         |
| Ken Kane            | KG8DN                |
| Secretary           | 440-473-8078         |
| Jeff Garvas         | N8YNR                |
| Treasurer           | 216-496-3928         |

| TRUSTEES          |              |  |  |  |
|-------------------|--------------|--|--|--|
| Dave Andrzejewski | KD8TWG       |  |  |  |
| Technical         | 330-353-9754 |  |  |  |
| Marv Grossman     | W8AZO        |  |  |  |
| Membership        | 440-248-0031 |  |  |  |
| Andrew Kahn       | WA8LIV       |  |  |  |
|                   | 937-681-1516 |  |  |  |
| Steve Spisak      | K8SAS        |  |  |  |
|                   | 216-533-7300 |  |  |  |
| Eddie Stevens     | KD8FTS       |  |  |  |

#### TRUSTEES EMERITI

440-668-7409

| Al Amster    | W8TTY (SK)  |
|--------------|-------------|
| Don Raith    | N8DJG (SK)  |
| Fred Collins | W8ADW(SK)   |
| John Radney  | KC8FOC(SK)  |
| Pat Shreve   | W8GRG (SK)  |
| Al Severson  | AB8P (SK)   |
| Dave Foran   | WB8APD (SK) |
| Bob Winston  | W2THÚ       |
|              |             |

#### POINTS OF CONTACT

| Carl Gedeon                        | <b>KB8VXE</b>              |
|------------------------------------|----------------------------|
| "Sunshine"                         | 440-243-5710               |
| Bryan Torok                        | N8OOF                      |
| Radio Officer                      | btorok@sbcglobal.          |
| Dave Andrzejewski<br>Radio Officer | <b>KD8TWG</b> 330-353-9754 |

#### **NEWSLETTER**

The Spirit of '76 & '88 is published monthly except in December.

Contributions must be received by the  $2^{nd}$  Sunday of the month except on months with 5 Sundays and 5 Tuesdays when the 3rd Sunday will be sufficient.

#### Editor:

Ken Kane. KG8DN E-mail: editor@leara.org

*Proofreading: TNX to* W8AZO, N8YNR, K8JTK The October meeting was at Vittorio's Buon Appetito, in Wickliffe, east of the former location of Amateur Electronic Supply (AES). **Dave** Andrzejewski, KD8TWG, Brian Kiepura,

The Prez Says by Bryan Torok, N8OOF

N8BDK, and I provided a variety of professional test equipment for Test & Tune night. Well, actually it was mostly Test & Test night. Unless a radio owner brings a service manual (not an owner's manual) it is almost impossible to know what to adjust and many modern radios either lack adjustment points or those adjustments are in sealed modules. Still, Dave and Brian checked members' radios and feedlines to see if they were performing as they



should. I did attempt to align a digital scanner for Jeff Garvas. N8YNR. But, even though Jeff had downloaded instructions, the smallest (jewelers' sized) screwdriver we had would not fit the adjustments and we were unable to get the desired results.

This meeting was also the Annual Meeting and Election of Trustees for LEARA. This year we had a superb selection of candidates, both incumbents and folks running for the first time. If you didn't read them at the time, I suggest returning to the October newsletter and reading the candidates' bios. Mary Grossman, W8AZO, and I were reelected. Steve Spisak, K8SAS, was newly elected.

**Jeff Kopcak, K8JTK,** tendered his resignation from the Trustees, effective at the November 10<sup>th</sup> Trustees' Meeting. Eddie Stevens, KD8FTS, was appointed to fill the remainder of Jeff's term. If an opening on the Board happens this year, Ron Hollas, K8RJH, will be in a position to fill that spot. As a personal note, both Ron and Steve have attended the last few Trustees' Meetings and I've been very impressed with the comments and suggestions they have made. Trustees meetings are open to any member who is interested in seeing how the club is run or who would like to provide input on the running of the club.

The November meeting will be at Teamz in Middleburg Heights. We've been there several times and the food has been very good each time. Last year for the October meeting, we were in their newly-remodeled and enlarged meeting room. The room is about twice the size of the typical meeting room we are in, and has a vaulted ceiling. At that time we had a plated meal.

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, P.O. Box 22823, Beachwood, OH 44122-0823.

LEARA is an ARRL-affiliated club. When you join or renew the ARRL, LEARA benefits monetarily if you do so through the club. Send ARRL Applications/renewals to LEARA, P.O. Box 22823, Beachwood, OH 44122-0823. Make the check payable to LEARA, not the ARRL.

Membership Meetings are held the last Tuesday of each month (except December and June) at a Cleveland-area restaurant to be announced each month in the newsletter. The LEARA newsletter usually arrives near the middle of the month. Locations for dinner may vary and often require a reservation. Those interested in dinner should arrive around 6 p.m. The meeting begins at 7:30 p.m. Meetings are open to all interested persons. You may attend without eating.

Trustees' Meetings are on the second Saturday of odd numbered months. Meetings are open to all current members of LEARA. Locations are subject to change. Trustees meet at one of the Cuyahoga County Public Library branches. Contact a trustee or check the website at www.leara.org for details.

(continued from page two)

However, this year we will be having buffet style service with a different menu. Details are on the front cover.

Prez cont.

Meetings for Next Year will be at a variety of old and new venues. Schedules have not been finalized, so I can't give you specifics. However, Eddie is planning to get us scheduled at Corky & Lenny's (a new to us venue), My Friend's Restaurant, Firehouse (with a new program on digital scanners by Jeff Garvas, N8YNR), Pearl of the Orient (another new venue), and the Hofbrau House. It looks like great line-up and that is just the first half of the year. My mouth is watering thinking about all the great food and fellowship.

**By now you** should have seen our email blast concerning the **West-Side site**. If you missed it, please go back and look for it. We'll be keeping you updated on the progress to getting everything back on the air.

**Until next month**, talk on the radio, and use the repeaters. Come out and see us at a meeting. We look forward to seeing you.

Bryan Torok, N8OOF

| Sun                                     | Mon  | Tue  | Wed   | Thu   | Fri                            | Sat  |
|---|------|--|---|---|--------------------------------|--|
| Nove                                    | mber | 20 ARES®<br>80m 7:15 pm<br>OSSB<br>8 pm OHDN | 21 Skywarn<br>nets are on<br>hiatus until<br>March<br>except for<br>weather | Thanksgiving Day (no net tonight)                       | on Thurs<br>SUS<br>until the A | 24 gital Nets at 9:0 sday nights are PENDED ntenna for 146.8 |
| 25                                      | 26   | 27 ARES®<br>80m 7:15 pm<br>OSSB<br>8 pm OHDN | emergencies.) 28  | 29 8 pm LEARA<br>VOICE '76<br>9 pm LEARA<br>DIGITAL '88 | as be                          | 1<br>SKYWARN<br>RECOGNI-<br>TION DAY                         |
| 2                                       | 3    | 4 ARES®<br>80m 7:15 pm<br>OSSB<br>8 pm OHDN  | 5   | 6 8 pm LEARA<br>VOICE '76<br>9 pm LEARA<br>DIGITAL '88  | Dece                           | ember  |
| 9. (NO ARES®<br>MEETING in<br>December) | 10   | 11 ARES®<br>80m 7:15 pm<br>OSSB<br>8 pm OHDN | 12  | 13 8 pm LEARA<br>VOICE '76<br>9 pm LEARA<br>DIGITAL '88 | 14                             | 15   |
| 16                                      | 17   | 18 ARES®                                     | 19  | 20 8 pm LEARA   | 21                             | 22   |
| 23                                      | 24   | 25 Christmas<br>Day                          | 26  | 27 8 pm LEARA<br>VOICE '76                              | 28                             | 29   |
| 30                                      | 31   | 1 New Year's<br>Day                          | 2   | 3 8 pm LEARA<br>VOICE '76                               | 4 Jan                          | uary   |
| 6                                       | 7    | 8 ARES®<br>80m 7:15 pm                       | 9   | 10 8 pm LEARA<br>VOICE '76                              | 11                             | 12 Trustees<br>Meet 9:15am                                   |
| 13 2pm<br>ARES®<br>at CCPL in           | 14   | 15 ARES®<br>80m 7:15 pm<br>OSSB<br>8 pm OHDN | 16  | 17 8 pm LEARA<br>VOICE '76<br>9 pm LEARA<br>DIGITAL '88 | 18                             | 19   |
| 20                                      | 21   | 22 ARES®<br>80m 7:15 pm                      | 23  | 24 8 pm LEARA<br>VOICE '76                              | 25                             | 26   |
| 27                                      | 28   | 29 LEARA<br>DIINNER<br>MEETING<br>6:30 PM    | 30  | 31 8 pm LEARA<br>VOICE '76<br>9 pm LEARA<br>DIGITAL '88 |                                |  |



# LEARA "On The Air" Club Net Information by Carl Gedeon, KB8VXE

## November 2018 Newsletter Net Report

The Thursday Club Net is held 8PM on our 146.760 (or 146.880 backup) MHz (- 600

kHz offset, PL 110.9) repeater. There will be no net Thanksgiving evening this year.

#### Checkins for the month of October:

| Checkins for October 2018 |       |        |        |        |        |
|---------------------------|-------|--------|--------|--------|--------|
| K2WJS                     | Bill  | KC8JPU | Scott  | MITBN  | Don    |
| K8EHP                     | Mike  | KD8ACO | David  | N8UPZ  | Bill   |
| KBJTK                     | Jeff  | KD8FTS | Eddie  | WBIE   | Ed     |
| KBRJH                     | Ron   | KE8CEO | Robert | W8TAB  | Tom    |
| KBSAS                     | Steve | KE8IPK | Scott  | WABLIV | Andrew |
| K8WLF                     | Fritz | KG8DN  | Ken    | WB8ROK | Ed     |
| KB8VXE                    | Carl  | NBAGM  | Tom    |        |        |
| KC8FQV                    | Mark  | NBAUC  | Eric   |        |        |

Remember if you missed a net, check out the web page for a recap of the trivia and discussion questions.

## For December and January, the tentative scheduled NCOs are:

| Net Control Schedule |        |        |  |  |
|----------------------|--------|--------|--|--|
| 11/29/18             | Eric   | NBAUC  |  |  |
| 12/06/18             | Ken    | KG8DN  |  |  |
| 12/13/18             | Steve  | KBSAS  |  |  |
| 12/20/18             | David  | KD8ACO |  |  |
| 12/27/18             | Andrew | WABLIV |  |  |
| 01/03/19             | Bill   | K2WJS  |  |  |
| 01/10/19             | Carl   | KB8VXE |  |  |
| 01/17/19             | Eric   | NBAUC  |  |  |
| 01/24/19             | Ken    | KG8DN  |  |  |
| 01/31/19             | Steve  | KBSAS  |  |  |

<u>The Digital Communications Net</u> is held every Thursday on LEARA's 146.880 (-600 kHz offset, PL 110.9) repeater at 9PM.

#### The Wednesday Skywarn Practice Net

Skywarn season runs from March through
September. The Skywarn practice nets are on hiatus until March. Skywarn nets are held on
LEARA's 146.760 repeater. Should the National
Weather Service issue a severe weather alert, a
Skywarn net will be started on the 146.760
repeater. Be sure to visit the web page at
<a href="https://www.ccskywarn.org">www.ccskywarn.org</a> for more information and
training sessions

#### **Thursday Net NCOs**

| K2WJS  | BILL  | KG8DN  | KEN    |
|--------|-------|--------|--------|
| KBSAS  | STEVE | NBAUC  | ERIC   |
| KB8VXE | CARL  | WABLIV | ANDREW |
| KD8ACO | DAVID |        |        |

Do you know K2??? How about ??UPZ? Do you recognize the voice. Have you met them in person? What about N8OOF? Every one of us has a unique voice. A great way to learn who these voices belong to is to be a net controller! Not only do you learn their voice but when you see them face to face at a meeting you remember the "whole" person. Consider being a net controller.

We can always use more LEARA Members to become Net Control Operators (NCOs). It's not that difficult to do. It's a GREAT way to learn the voices and call signs of the members of the club as well as the visitors of the ham community. Why not give the NCO slot a try? It's an easy to learn job that is very important in emergencies. Your help is really needed!

We look forward to your participation! Carl, KB8VXE, email: <a href="mailto:kb8vxe@arrl.net">kb8vxe@arrl.net</a>

The next ARES meeting is 2PM Sunday January 13, 2019, at the Independence branch of the Cuyahoga County Library System. See website for more information. ARES Nets are on break for the remainder of 2018. Starting January 2019 Nets will be held every Tuesday at 8PM on the 145.410 (+110.9) repeater.

For more information go to www.ccares.us.

<u>Sunshine Report:</u> Ed Stevens, Sr., WB8ROK, was injured when his house caught fire early Monday (11/5) morning. His injuries appear not to be life threatening, however it is believed his house will be a total loss.

# **Upcoming Hamfests** and Conventions

from www.arrl.org

#### 11/17/2018

**Central Division Convention** 

(Fort Wayne Hamfest & Computer Expo)

**Location:** Fort Wayne, IN **Type:** ARRL Convention

Sponsor: Allen County Amateur Radio

**Technical Society** 

Website: http://www.fortwaynehamfest.com

**Learn More** 

#### 12/01/2018

FCARC WinterFest Location: Delta, OH Type: ARRL Hamfest

Sponsor: Fulton County Amateur Radio Club

Website: http://k8bxg.org/hamfest

**Learn More** 

#### 12/02/2018

**LCARC Amateur Radio Swap/Hamfest** 

Location: Madison Heights, MI

**Type:** ARRL Hamfest

Sponsor: L'Anse Creuse Amateur Radio Club

Website: http://www.n8lc.org

Learn More

#### 12/08/2018

Third Annual SantaFest Location: Cheltenham, MD Type: ARRL Hamfest

Type. Artite Harricst

**Sponsor:** Prince George's County Emergency

Radio Association & American Legion **Website:** <a href="http://pgares.org/santafest/">http://pgares.org/santafest/</a>

**Learn More** 



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# Volunteer Exam Dates and Locations

from www.arrl.org

#### 11/18/2018 | Elyria OH 44035-1343

Sponsor: American Red Cross Location: American Red Cross Time: 12:50 PM (Walk-ins allowed)

**Learn More** 

#### 12/01/2018 | Kirtland OH 44094-8500

**Sponsor:** Lake County ARA **Location:** Kirtland Library

**Time:** 12:00 PM (Walk-ins allowed)

**Learn More** 

#### 12/01/2018 | Ravenna OH 44266-2191

Sponsor: Portage County ARS Inc.

Location: PCARS Club Site (Rear of com-

plex, under BIG tower)

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

**Learn More** 

### 12/01/2018 | Rittman OH 44270-1431

**Sponsor:** Silvercreek ARA

**Location:** Rittman Public Library **Time:** 9:45 AM (Walk-ins allowed)

**Learn More** 

#### 12/16/2018 | Elyria OH 44035-1343

Sponsor: American Red Cross Location: American Red Cross Time: 12:50 PM (Walk-ins allowed)

**Learn More** 

#### 01/13/2019 | Independence OH 44131-4841

Sponsor: Cuyahoga ARS

Location: Old Elmwood Recreation Center

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

**Learn More** 

#### 01/20/2019 | Elyria OH 44035-1343

**Sponsor:** American Red Cross **Location:** American Red Cross **Time:** 12:50 PM (Walk-ins allowed)

**Learn More** 





# LAKE ERIE AMATEUR RADIO ASSOCIATION TRUSTEES' MEETING MINUTES OF THE MEETING

10 November 2018, at the Garfield Heights Branch of the Cuyahoga County Public Library (subject to revision)

Present: KG8DN, K8RJH (guest), N8OOF, N8AUC, W8AZO, K8SAS (newly-elected trustee), KD8FTS, KB8VXE (guest), WA8LIV (via teleconference) and N8YNR.

Excused: KD8TWG.

**CALL TO ORDER:** N8OOF called the meeting to order near 9:20 AM.

FLECTED TRUSTEES – N8AUC: With data from the election committee, Eric announced that Marv W8AZO, Bryan N8OOF, and Steve K8SAS were elected with all ballots counted, both electronic and paper. Andrew moved and N8AUC seconded that the paper ballots be destroyed in accordance with the bylaws. Passed. N8OOF announced that Steve K8SAS is now a trustee.

RESIGNATION and board ELECTIONS: N8OOF noted that he received a board resignation letter from Jeff K8JTK. N8AUC moved and W8AZO seconded that Eddie Stevens, KD8FTS, be appointed as a trustee to replace Jeff K8JTK. N8YNR moved and N8AUC seconded that Ron Hollas, K8RJH, be nominated as a trustee. A paper ballot was taken to decide which of the two would be the new trustee. Eddie, KD8FTS, was elected. N8YNR moved and W8AZO seconded that the current slate of officers on the board be continued for the coming calendar year. Passed unanimously.

**MINUTES** from the September board meeting: The minutes were accepted as published.

TREASURER'S REPORT: N8YNR reported that we have a few hundred dollars in the bank account, not including the five checks for dues membership yet to be deposited. He noted that our treasury seems low. He reported that we collected cash at Vittorio's restaurant (including the money from the 50-50 raffle) but that the cash count fell short of

the number of diners as counted by the restaurant. He thought we should find a routine way to reduce the restaurant payment shortfalls. Funds are also drained by our monthly phone bills for the repeater sites. KD8FTS reminded us that the use of PayPal for advanced payments, if required, could address Andrew WA8LIV suggested using a this. platform like EventBrite to collect fees submitted by either PayPal or by credit card. Ron K8RJH and Eddie KD8FTS endorsed **EventBrite** because as well "advertises" the meetings and it does not require an "app." N8YNR will explore the use of EventBrite or a similar platform to begin use after the holidays.

**MEMBERSHIP REPORT:** W8AZO stated that we have 156 members. He is also working on updating the records and dues reminders now that he is back from Florida. There was some discussion about migrating eventually to a web-based or cloud-based membership management system.

VENUE REPORT: Eddie KD8FTS said that his surveys were informative, but the number of respondents has begun to fall off, so he now does surveys only when we go to a new venue. Club members often seem polarized in their responses, falling into two groups which rank a given venue as either "excellent" or "terrible." Lately, members have made many recommendations for new restaurants, so that Eddie has enough recommended venues now to go for a year-and-a-half without The consensus seemed to be repeating. that "we like variety" in both locations and sides-of-town. Eddie plans to work with Jeff N8YNR on the payment procedures and he will continue using venue rotation for the monthly meetings.

FIELD DAY AND PICNIC: There was also discussion about Field Day and Picnic reflecting concern that participation, especially in sup-

(Continued from page 8)

porting Field Day (with volunteer help and suitable site) has been declining. Eric N8AUC reminded us that Field Day is an event to support practice in communicating during possible public emergencies, and collaboration with other clubs would enhance this preparation presuming that "hard core contesting" is not the emphasis.

PROGRAM REPORT: N8AUC has not yet established programs for the coming months. N8YNR volunteered to do another program on digital scanners, possibly for March at Firehouse restaurant in Willoughby Hills.

SUMMARY REPORT from Jeff K8JTK: N8OOF distributed a report sent to him by K8JTK summarizing Jeff's customary club responsibilities as a now-retiring trustee. N8YNR agreed to assume the financial responsibilities formerly covered by Jeff K8JTK (esp. in paragraph one of Jeff's letter). We observed that reservations at libraries become available six months out and need to be made as early as possible. Eric N8AUC volunteered to make these library reservations for the trustee meetings. Renewal of registration for VotingPlace (or similar balloting service) needs to take place well-ahead of the October election period. Other details in Jeff's letter were reviewed and discussed, and N8OOF will continue managing the details. N8AUC volunteered to work with the Fusion repeater toward using it to replace the current 444.7 unit. Eric N8AUC will investigate the recent problem with the '88 repeater in Lakewood. (Following this meeting a visit to the Lakewood site revealed that the antenna had collapsed, so our repeater facilities at Lakewood have since been powered down.)

**LEARA NET:** Carl, KB8VXE indicated that K2WJS did an excellent job running the net on Thursday, November 8<sup>th</sup> as our newest net control. There will be no net on Thanksgiving.

**TECHNICAL COMMITTEE:** N8YNR still has the 444.4 repeater but would prefer to yield it if the club technical committee could work with it. He has the new '88 antenna also,

and he asked that the club arrange to move it when possible. There was discussion about the challenges in taking it up to the Lakewood site. Bryan N8OOF will find someone to transport and install the antenna.

NEW BUSINESS. N8AUC suggested that those of us who are inclined might donate funds to the club in view of our current tight financial situation. N8YNR suggested an idea for a fund-raiser – raffling off generators – and he proposed some logistics on how this could be done. N8AUC thought that if we do this, we should publish it in the ARES Ohio Section newsletter and in other ways promote the raffle to a large audience. N8OOF thought we should run such a raffle online somehow. The consensus was that Jeff should go ahead to develop a plan.

**ADJOURNMENT:** Near noon, N8AUC moved and N8YNR seconded that we adjourn. Passed.

Respectfully Submitted, Ken Kane, KG8DN Secretary

## LEARA ELECTS THREE TO THREE-YEAR BOARD TERMS

In accordance with LEARA's by-laws, the annual election of trustees to the club's board concluded with the meeting of the corporation on October 30th at Vittorio's Restaurant.

Sixty-six ballots were cast. The candidates elected were:

- Marv Grossman, W8AZO
  - Steve Spisak, K8SAS
  - Bryan Torok, N8OOF

Congratulations to those who were elected and thank you to all who ran. Minutes of the November board meeting appear on the adjacent pages.

Andrew Kahn - WA8LIV and Jeffrey Kopcak - K8JTK, Election Committee

# **Armistice Day** November 11th

## **Special Call Signs Commemorate Centenary of World War I Armistice**

http://www.arrl.org/news/special-call-signs-commemorate-centenary-of-world-war-i-armistice

Several countries around the world have authorized the use of special call signs or prefixes to mark the centenary of the armistice that marked the end of hostilities on the Western Front of World War I. The initial armistice took effect on November 11, 1918, at 11 AM. (The Treaty of Versailles that officially ended World War I was not signed until the following year).

Formerly known as Armistice Day in the US and in other countries, November 11 later became recognized as Veterans Day in the US, and as Remembrance Day in others, as a day to honor veterans of the armed services from all wars and conflicts.

While not a special prefix, WW1USA — the call sign of the National World War I Museum Amateur Radio Club — was on the air from the National World War I Museum and Memorial in Kansas City, Missouri, over the November 3-4 weekend. Other allied countries that took part in World War I will host special event Amateur Radio stations or call signs to commemorate the centenary of the Armistice.

In the UK, special event station **GB100ARM** will be on the air until November 28, operated by the HMS Belfast Radio Group. Operation will take place from the bridge wireless office aboard HMS Belfast.

(For full story, see the link below the title at the top of this column.)

### LEARA — The Lake Erie Amateur Radio Association

49 Years of Serving Greater Cleveland Since 1969 -**VOICE REPEATERS:** 

146.76/R-

• Highland Hills (Requires 110.9 Hz tone)

**146.88/R**− *IRLP* • Lakewood (Requires 110.9 Hz tone) IRLP Node 4282

224.90/R-• Lakewood (141.3 Hz tone)

444.40/R+ • Macedonia (Requires 131.8 Hz tone) 444.70/R+ • Lakewood **System Fusion** Digital Repeater

#### **INTERNET:**

- www.leara.org
- To subscribe via e-mail, send a message to: <a href="mailto:spirit76-request@leara.org">spirit76-request@leara.org</a> Put *subscribe* in the subject area and your *name* and *call sign* in the body. Those who subscribe via e-mail will not receive a paper copy.