



The Spirit of '76 and '88



Newsletter of the Lake Erie Amateur Radio Association

Editor: Ron Jakubowski, K2RJ

Publisher: Jeannie St. Marie, KC8MNW

LEARA Turns 40!

On May 27, 1969, the last Tuesday of that month, a group of Hams interested in repeaters who had been meeting informally for some time decided to form a new Amateur Radio Club—*The Lake Erie Amateur Radio Association*. Someone mentioned that this new club would need a leader and Bill Hess, K8SGX, volunteered and became LEARA's first president. And thus was born what would become the largest Amateur Radio club in the greater Cleveland area! Over the next year we will be publishing pieces of LEARA history. Stay tuned!

NFL Game-Day Frequency Coordination—By Dave Bobco and Ed Miller, K8EHA Tuesday, May 26, Dimitri's Dinner Meeting

A November 2007 QST article explained that several hundred frequencies are used by the teams, media, operations, and public services during the NFL games which *MUST be coordinated* to avoid interference! Our local coordinators Dave Bobco and Ed Miller, K8EHA from the Society of Broadcast Engineers will describe what they have to go through to keep chaos in check, and present many interesting behind-the-scenes photos.

Dave Bobco took on the duties of Primary Game Day Coordinator in 2002. Starting with Ma Bell in 1967 interleaved with a stint with the Navy, he obtained his FCC First Phone and has been Chief of WBWC since 1975. Meanwhile he had a long career with Phil Reddish sound and sold equipment to every Radio and TV station in the area, and continues to work as a manufacturer's rep for audio, video, and lighting gear. Through the years he

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The dinner and meeting are at our 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 at 7:30.** Meetings are open to all interested persons. You may attend without eating, but reser-

vations 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-

OFFICERS

Alex Manuk President	WD8JMM 216-459-8523
Jim Ozello Vice President	N8XDO 216-475-7218
Eric Jessen Vice President	N8AUC 440-734-3146
Bob Winston Secretary	W2THU 216-771-3314
Dave Foran Treasurer	WB8APD 440-942-0618
Eric Jessen License Trustee	N8AUC 440-734-3146

TRUSTEES

Jeff Kopcak	K8JTK k8jtk@arrl.net
Raye Bayun	N8NAP
Gary Zimmet	WA8TJL 440-446-0402
Marv Grossman	W8AZO 440-248-0031
David Noeth	KD8ACO 216-932-8005
Ron Jakubowski	K2RJ 440-498-1512
John Radney	KC8FOC 216-469-4361
Bryan Torok	N8OOF 440-871-5456
Mike Cegelski	K8EHP 216-252-6640
Jeff Garvas	N8YNR jeff@cia.net

TRUSTEES EMERITI

Al Amster	W8TTY
Don Raith	N8DJG
Fred Collins	W8ADW(SK)
Pat Shreve	W8GRG (SK)
Al Severson	AB8P (SK)

POINTS OF CONTACT

Don Raith "Sunshine"	N8DJG 216-921-7546
Ron Jakubowski Radio Officer	K2RJ 440-498-1512
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 (except on months with 5 Sundays and Tuesdays, when the 3rd Sunday will suffice.)

Editor: Ron Jakubowski, K2RJ

E-mail: editor@leara.org

The Prez Says

by Alex Manuk, WD8JMM



With apologies to the ARRL – public service is why LEARA, and amateur radio, exist in their current form. If hams didn't volunteer for emergency duty or participate in public service, there'd be very little reason for the government to continue to allow us to use valuable RF spectrum. With that in mind, there are a number of public service events coming up that could use YOUR help!

This Saturday, May 16th, there will be an MS Walk in downtown Cleveland. The folks coordinating the walk will be using the .88 repeater for their net, and I'm told that several LEARA members are already scheduled to help out. If you're interested, the website is http://walkoha.nationalmssociety.org/site/TR/Walk/OHAWalkEvents?pg=entry&fr_id=9572

Sunday, May 17th is the Cleveland Marathon. Again, if you're not going to be in Dayton (and if you are I'm jealous) please consider volunteering your time to help out. The marathon folks will also be using .88 for communications on Sunday.

In June, LEARA will be helping out with a new event. Saturday, June 13th, there's a Kidney foundation walk in Wendy Park on Whiskey Island. If you're interested in helping out with that one, please email me as I'll be coordinating the RF activities that morning.

My list of public service events wouldn't be complete without the Cleveland Triathlon, which is scheduled for Saturday, August 2nd. I've worked this particular event for the past 5 years or so, and it's a fun one. Interested? Contact Tom, KA8BZB, [kaeightbzb \(at\) att.net](mailto:kaeightbzb@att.net).

And that's not all! Pedal to the Point is in August, and the River Run is in September. Stay tuned for updates on these and other opportunities to help 'pay for' our great hobby.

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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.

DO YOU USE RF DEVICES? WARNING

Prior to operating any radio or television transmitter or any wireless device within this stadium, you should contact the Game Day Coordinator listed below. This coordination obligation includes any and all wireless microphone users as well as any users of portable transceivers.

Operation of radio transmitters within stadium property is a privilege, not a right, and radio frequency interference to coordinated users within the stadium property caused by failure to coordinate transmitter operations will result in eviction of the uncoordinated user from the stadium property.

GAME DAY COORDINATOR
CONTACT INFORMATION: _____

SBE FREQUENCY COORDINATOR
CONTACT INFORMATION: _____

GAME DAY FREQUENCY COORDINATOR E-MAIL: NFLBROWNS@SBE.ORG
DAVE BOBCO CELL#: (216)832-1194 DAY OF GAME ONLY!
EDWARD J. MILLER CELL#: (440)773-5656 DAY OF GAME ONLY!
PRESS BOX PHONE#: (216)828-4877

(Continued from page 1)

has also done extensive remote work for major networks, CBS, ESPN, ABC as well as the Hall of Fame games for basketball and baseball in 1997, and got to work with the legends of sports broadcasting. He also got to do the re-

(Continued from page 2)

Ever wondered how they orchestrate an NFL broadcast so it looks so fluid and professional? Then you want to be at our May meeting on the 26th. Ed Miller and Dave Bobco will provide an insight into just what it takes to coordinate the RF portion of 'NFL Gameday'.

And last but certainly not least, don't forget about Field Day. If you haven't made plans yet to join us for the last weekend in June, please come on out and enjoy some radio, some great food, and some great weather, because everybody knows it NEVER rains on Field Day weekend, right?

73 for now -AR-

mote engineering for the first inter-league game from (the then named) Jacob's Field between the Cleveland Indians and the Cincinnati Red Sox.

Ed Miller, Certified Professional Broadcast Engineer, and "Fellow" of the Society of Broadcast Engineers, retired in 2004 after more than 44 years in broadcast engineering, including Engineering Manager at WEWS, and Major Projects Manager with Patlin Electronics & ProVideo. While serving two terms as National President of the SBE, (1997-99) he helped establish the SBE-NFL GDC operations. He has also spent 27 years as the Northeast FCC/SBE Frequency Coordinator for all Part 74 Broadcast Auxiliary Services, and continues to work on projects brought on by FCC band changes and reassignments.

Ed was given the Governors Citation Award by the National Academy of Television Arts and Science for outstanding individual technical achievement as result of his being the Engineering Manager for the Grand opening of the Rock & Roll Hall of Fame in 1995. That's where frequency coordination became immensely problematic! In fact, we hope to have Ed back to give a talk about that project later this season! -AR-

Football: Fumbles, Field Goals and Frequencies

Football teams have offensive coordinators and defensive coordinators. But did you also know the NFL has frequency coordinators?

S. Khrystine Keane, K1SFA

As almost 78,000 fans watch, New England Patriots quarterback Tom Brady listens to his coach, Bill Belichick, bark out commands to him via the receiver inside his helmet. As the 25 second play clock ticks down, Brady nods in comprehension, getting his team in formation. Before time runs out, center Russ Hochstein snaps the ball to Brady, and the play Belichick called through Brady is in motion.

Late in the third quarter, line judge Jeff Seeman throws a penalty flag and confers with referee Jeff Triplette regarding the previous play. After getting the facts from his colleague, Triplette turns on his wireless mic to announce to the crowd (and the millions of fans watching on television) that the Patriots will incur a 10 yard penalty for offensive holding.

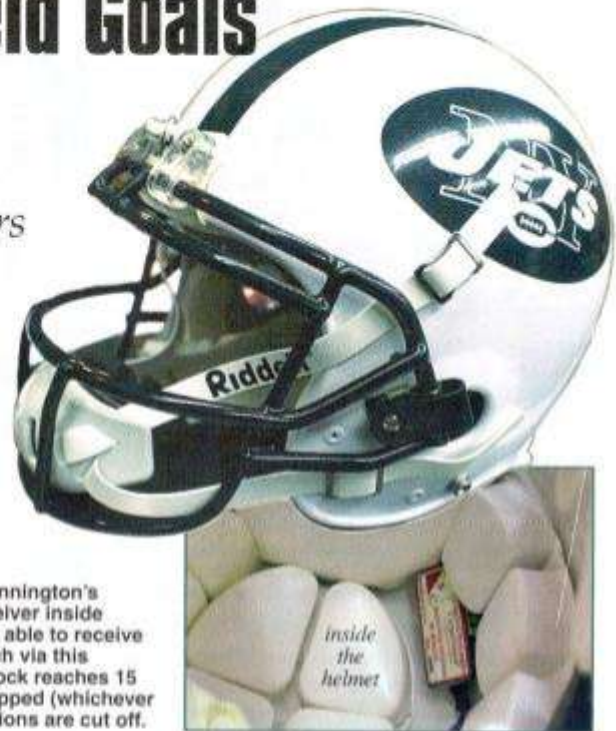
On the sidelines, a television reporter stands in front of her camera crew, giving an update on the game. As she holds her microphone in front of her, the feed is carried back to the production truck outside the stadium and broadcast to viewers all over the country.

Just another day at an NFL game, even if it is one of the biggest divisional rivalries in professional football — the New England Patriots vs the New York Jets — on Sunday, September 9, opening day of the 2007 season — on the Jets' home turf, no less. But with 196 different radio frequencies traveling through this 120 yard universe, the Game Day Frequency Coordinator (GDC) is king. And the king of this universe is GDC Steve Mendelsohn, W2ML.

All in a Day's Work

"My job is to take all the different entities that will be using RF at the game and coordinate their frequencies. This whole stadium is connected through radio frequency, from the security to the parking attendants to the television networks to the blimps to the coach and quarterback — it all runs on RF,"

Jets quarterback Chad Pennington's helmet, with the radio receiver inside (inset). The quarterback is able to receive instructions from his coach via this receiver; when the play clock reaches 15 seconds or the ball is snapped (whichever comes first), all transmissions are cut off.



Mendelsohn, a senior systems engineer for ABC Television, said. "These frequencies all have to be known and coordinated. My ultimate goal is to create an interference-free RF environment by coordinating all Part 74 [the broadcast frequencies] and acting as a clear-inhouse to all Part 15 and Part 90 [Private Land Mobile] devices."

Saying that the number of people in the world who know all the frequencies used in an NFL game number "around 50," Mendelsohn takes his job as GDC very seriously. "If frequencies aren't coordinated, or aren't coordinated correctly, this leads to interference. Coaches shouldn't be hearing anything else except themselves when they're communicating with their quarterback. The

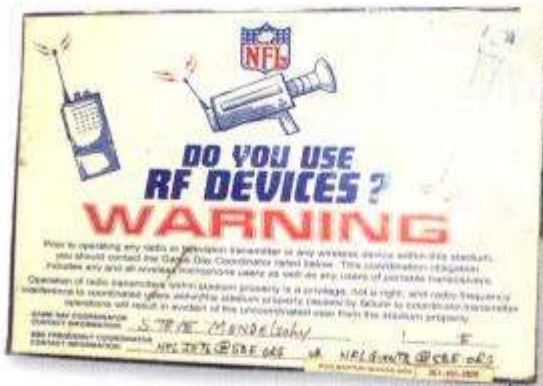
blimp shouldn't be hearing anything other than what it's supposed to."

Transmissions between the coach and his quarterback are encrypted, Mendelsohn can hear them communicate, but he can't understand what they are saying; he likens it to something sounding as if it came from *Alvin and the Chipmunks* — high-pitched and garbled. "There are millions of dollars riding on each and every NFL game, from merchandising to broadcast rights. If these transmissions were not encrypted and could be picked up and heard by anyone, can you imagine what the outcome would be?"

He recalled one incident when a coach reported hearing voices coming through his headset during a game. The officials called a



Patriots quarterback Tom Brady listens to coach Bill Belichick transmit plays via the receiver inside his helmet.



This sign is posted at the entrance to the tunnel leading into the stadium, warning all those that RF-emitting devices need to be coordinated through the GDC.

Steve Mendelsohn, W2ML, and his wife Heidi, KC2LEQ, get their scanner/receivers ready in the press box before the game. The Mendelsohns are the Game Day Frequency Coordinators for the New York Jets.



time-out and Mendelsohn was quickly summoned to the bench to fix the problem. "It turns out that the coach was receiving some ambulance company's transmissions through his headset. In just a few minutes, I had it squared away and the game resumed. We were lucky, because the ambulance company couldn't hear us, and even if they could, it would all have been encrypted."

During another game, some of the receivers were picking up transmissions from the State Police headquarters down the road. "I called a friend of mine who happened to be with that particular barracks," Mendelsohn recalled. "He said his men were just sitting down to watch the Jets game on TV. I said to him, 'No they're

not, unless you change frequencies on that certain repeater.' For the duration of the game, they did, and the game went on as usual."

As the person in charge of all the RF-emitting devices on the field, the GDC has the right to know every frequency in use at any given time. To help with this, the NFL issues each GDC a frequency counter, a scanner/receiver and a directional UHF antenna with a switchable RF attenuator so they can listen and find potential problems.

How the GDC Program Started

The GDC program began with a meeting in 1996; there had been a lot of radio interference at Super Bowl XXIX in Miami, and

the NFL didn't know how to handle it. They approached Jay Gerber, N3AW, then vice president for production of NFL Films, asking for ways to correct the problems from the Miami event, making sure they didn't happen again at Super Bowl XXX in Tempe, Arizona. Gerber called Karl Voss, the Society of Broadcast Engineers' (SBE) regional frequency director for Arizona, and asked if he would like to help. Between them, they coordinated the frequencies at Super Bowl XXX.

"Up until this point, whenever broadcasters would have interference, they just worked it amongst themselves, like 'What frequency are you on? Okay, you're there, I'm here, so I'll change over to this frequency,'" Gerber said. But with the NFL worldwide audience growing larger, and more and more media outlets broadcasting the game, interference was getting to be more of a problem. "The NFL was hearing complaints from broadcasters, saying they weren't able to talk on their radios without interference." Gerber led a team of SBE frequency coordinators at the next two Super Bowls in New Orleans and San Diego. "There was a problem at Super Bowl XXXII in San Diego when we had to reprogram almost 150 radios at the last minute," Gerber said.

In March 1999, through Gerber's determination, the NFL came to realize the value of having frequency coordination at regular season games. Gerber recruited people as GDCs who actually knew something about how RF works — it's no wonder a good number of NFL frequency coordinators are hams (see sidebar). "We started out just doing the Super Bowl, and then we moved on to coordinating the frequencies at regular season games, and then the playoffs. Now we coordinate all games, including the pre-season," Gerber said.

More to Winning than the Score

Today, the NFL and the SBE jointly run the Game Day Frequency Coordinator program. With 32 teams in the NFL, and at least 26 in action each week, a minimum of 4700 frequencies need to be coordinated each week. "Each of the 32 GDCs will coordinate as many as 300-400 frequencies for a regular season game. For Super Bowl XLII in Glendale, Arizona next year, a coordination staff of 35 will use as many as 1500-2000 frequencies," Gerber said.

"And that's where the fun is," Mendelsohn said. "It's great when my team wins, but when I get the report at the end of the game telling me that everything worked fine and there was no interference, that's when I win. To know all the work I put in to allocating these frequencies, talking back and forth with different media, making sure all was smooth — that's when I know I did my job."

All photographs by the author.

S. Khrystine Keane, K1SFA, is the ARRL News Editor. She can be reached at k1sfa@arri.org.

Q5T

These Amateur Radio Operators Serve as NFL Game Day Frequency Coordinators		
Atlanta Falcons Jessica Carter, KF4VKP* Jeff Carter, KD4RFBG	Indianapolis Colts Al Grossniklaus, WD8BUG* Roger Bishop, KB9MEH Tom Weber, KC9GMJ	New York Jets Steve Mendelsohn, W2ML* Heidi Mendelsohn, KC2LEQ
Chicago Bears Jen McCarthy, KB0OPG	Jacksonville Jaguars Clayton Roney, K14FWZ* Dan Weisenberg, KW4T	Pittsburgh Steelers Otto Schelli, NO3U* Rich Newbould, K3RWN Glenn Romsos, N3ROW
Cleveland Browns Ed Miller, K8EHA	Kansas City Chiefs Bob Schneider, KD5CE* Jack McKain, K0LVX Fred Morton, WB5KRD	San Francisco 49ers Sue Sunder, KC6WXO* Ben Carlucci, W2NYC
Dallas Cowboys Johnny Steigler, WA5ZRQ	Miami Dolphins Rick Edwards, N4RSH Ernesto Diaz, KG4LXH	Seattle Seahawks Jerry Hill, K2JH*
Detroit Lions Joe Huk, KA8UUU	New England Patriots Joe Sweeney, K1NCJ*	
Green Bay Packers Joe Kamenick, K9LWL* Tom Leas, KC9HLH	New York Giants Rod Barton, N2UFQ*	

* Primary coordinator

LEARA "On The Air"

Club Net Information

by David Noeth, KD8ACO

The last Saturday night LEARA SSTV net for the season will be on May 23, 2009. After a brief summer vacation, the SSTV net will resume on October 3, 2009. If you haven't done so already, now is the perfect time to give it a try.

Wednesday Skywarn Practice Net

Skywarn practice nets have returned on the 146.760 (-offset, 110.9 PL) repeater and will continue on Wednesday nights at 8:00 PM local time until the last week in October. 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.

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 seventy-nine (79) check-ins. The following were reported by our net control stations to have participated:

Randy K8CLE, Gene K8ECL, Mike K8EHP, Ben K8IV, Jeff K8JTK, Steve K8SAS, John KA8GZA, Lilly KB8MHZ, Greg KB8PEC, Jeff KC8FNK, John KC8FOC, Mark KC8FQV, Jeannie KC8MNW, Jean KC8TJH, David KD8ACO, Eddie KD8FTS, Don KD8ICR, Keith KD8KBL, Ken KG8DN, Eric N8AUC, Howe N8CXA, Linda N8LRS, Rich N8RB, Tom N8UAZ, Bill N8UPZ, Bob W2THU, Matt W8EBB, Stuart W8STU, Ray WA4WGA, Al WA8OZC, Gary WA8TJL and Alex WD8JMM.

Net Control Stations: David KD8ACO, Eric N8AUC, Ken KG8DN, Don KD8ICR, and Bob W2THU.

Upcoming NCS assignments are:

5/21/09	Ken	KG8DN
5/28/09	Bob	W2THU
6/4/09	David	KD8ACO
6/11/09	Don	KD8ICR
6/18/09	Eric	N8AUC
6/25/09	Ken	KG8DN

Saturday SSTV Net

The Lake Erie Amateur Radio Association's weekly slow scan TV net is held every Saturday evening from October through May at 8:00 PM local time on the 146.880 (-offset, 110.9 PL) repeater. Now is the time to get your SSTV station setup and on the air.

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 or to ask for more information about this interesting mode.

During the past few weeks, the following stations were reported by our net control stations to have participated:

John K8BGV, Jeff KC8FNK, Joe KC8RAN, Bill N8IJG, Jon N8MDP, John N8OBJ, Tim NC8X and Claude VE3CRO.

Net Control Stations: John N8OBJ, Terry K8TJM, Joe KC8RAN, and Bill N8IJG.

Wanted! Net Control Stations

We now have five Net Control Stations for the Thursday evening LEARA Club Net. There's always room for more stations who would like to give it a try.

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. 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 or send me an email at kd8aco@leara.org. Hope to talk with you "on the air" soon! -AR-



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!

Hamfest Listing

30 May 2009 Atlantic Division Convention (75th Rochester Hamfest)
Rochester Amateur Radio Assn
—New Management & Venue!—
<http://www.rochesterham.org>
Talk-In: 146.88 (PL 110.9)
Contact: Len Crellin, KC2PCD
c/o RARA
PO Box 93333
Rochester, NY 14692
Phone: 585-671-2424
Email: kc2pcd@rochester.rr.com
Rochester, NY
Barnard Carnival Grounds
380 Maiden Lane

7 Jun 2009 Hamfest and Computer Breezeshooters ARC
<http://www.breezeshooters.net>
Talk-In: 147.300+
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
(next to Roe Airport)

14 Jun 2009 CHAMFEST 2009
Erie Red Cross Amateur Radio Assn.
<http://www.erieredcross.org>
Talk-In: 146.55 Simplex
Contact:
Dan Miller, K3UFG
3515 West 10th Street
Erie, PA 16505
Phone: 814-464-3664
Fax: <http://www.erieredcross.org>
Email: dmiller@erieredcross.org
Erie, PA
Erie Red Cross Chapter House
4961 Pittsburgh Avenue

Welcome New LEARA Member!

Please heartily welcome the following Ham who joined at the April meeting:

Timothy Gates—KC2MLX

Volunteer Exam Dates and Locations

(from the ARRL website)

03-Jun-2009

Sponsor: CUYAHOGA FLS 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
 STOW, OH 44224

06-Jun-2009

Sponsor: LAKE COUNTY ARA
 Time: 12 N (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

06-Jun-2009

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

06-Jun-2009

Sponsor: SILVERCREEK ARA
 Time: 9:30AM (Walk-ins allowed)
 Contact: BARRY J YOUMANS
 (330)925-1706
 Email: KI8B@ARRL.NET
 VEC: ARRL/VEC
 Location: RITTMAN PUBLIC
 LIBRARY
 49 W OHIO AVE
 WWW.W8WKY.ORG (HOME
 PAGE)
 RITTMAN, OH 44270

21-Jun-2009

Sponsor: LORAIN COUNTY ARA
 RED CROSS
 Time: 1:00 PM (Walk-ins allowed)
 Contact: CHARLES HALL
 (216)453-3700
 Email: VE@W8HF.COM
 VEC: ARRL/VEC
 Location: AMERICAN RED CROSS
 2929 W RIVER RD N
 WWW.W8HF.COM (HOME PAGE)
 ELYRIA, OH 44035

27-Jun-2009

Sponsor: 20 OVER ARC
 Time: 10:00AM (Walk-ins allowed)
 Contact: ALLAN AVNET
 (330)549-3051
 VEC: ARRL/VEC
 Location: GATE 1 AT CANFIELD
 FAIRGROUNDS
 FAIRGROUND BLVD.
 CANFIELD, OH 44406

11-Jul-2009

Sponsor: SUMMIT CO AMERICAN
 RED CROSS
 Time: 12 NOON (Walk-ins allowed)
 Contact: BRUCE M FERRY
 (330)929-2766
 VEC: ARRL/VEC
 Location: AMERICAN RED CROSS
 501 W MARKET ST
 HTTP://WWW.AK8B.US/VE
 AKRON, OH 44303

12-Jul-2009

Sponsor: CUYAHOGA ARS
 Time: 9:00 AM (Walk-ins allowed)
 Contact: GARY S DEWEY
 (216)642-8705
 Email: GDEWEY@EN.COM
 VEC: ARRL/VEC
 Location: TOWN HALL
 6652 BRECKSVILLE RD
 STATE ROUTE 21
 INDEPENDENCE, OH 44131

19-Jul-2009

Sponsor: LORAIN COUNTY ARA
 RED CROSS
 Time: 1:00 PM (Walk-ins allowed)
 Contact: CHARLES HALL
 (216)453-3700

MEETING OF THE LAKE ERIE AMATEUR RADIO ASSOCIATION BOARD OF TRUSTEES

(9 May 2009 at the Parma-Snow Branch of the Cuyahoga County Library in Parma, Ohio)

Trustees present: W2THU, K2RJ, N8NAP, KC8FOC, K8EHP, WA8TJL, N8XDO, WB8APD, WD8JMM, N8AUC, W8AZO, K8JTK, KD8ACO

Trustees excused: N8YNR, N8OOF

Guests present: KC8UIX, K8DMT

1. The meeting was called to order at 0905.
2. The minutes of the previous meeting were accepted as published.
3. Treasurer's Report - WB8APD reported on the balance in our checking account.
4. Membership Report - W8AZO reported that we have 214 active members.
5. Programs for 2009 – It was reported that Ed Miller will give a program in May on RF coordination at an NFL game. We still need programs for August and September. K2RJ might do a program on interference tracking.
6. Technical Committee Report – K2RJ reported that he has turned off the voice ID on the 146.76 repeater. It also appears that the controller can only be accessed via telco and not over the air. They had a Technical Committee meeting on 20 March 2009 where they discussed the IRLP. Presently there is a special tri tone when the IRLP is up, but not when a local ham brings up 146.88. They will schedule another Tech Committee meeting.
7. Status of 146.76 repeater site search - N8AUC reported that nothing is new but that he will be attending a meeting next week at the county EMA which might lead to something positive. W2THU reported that he had written a draft letter to Tri-C asking for space on the roof of a classroom building nearby. Other suggestions were made including the new University Hospital under construction near I-271 and Harvard. As an aside, WD8JMM suggested that LEARA install amateur radio in area hospitals which could be turned over to ARES later on.
8. Comprehensive Plan for LEARA's Goals (status of clickable link in Newsletter file) - K2RJ reported that he has gotten some feedback from members in response to the article he wrote in the Newsletter last month. He is waiting for one more response. All links in the Newsletter are now clickable. It was pointed out that LEARA is now 40 years old and K2RJ will write an article in the Newsletter soon.
9. Field Day plans - N8AUC reported that the application for the site is filed and there is no response yet probably because there is a new person at the park. N8AUC and WA8TJL will meet shortly. KC8FOC will be doing the on site PR as in the past.
10. LEARA QSL card status – N8AUC reported that nothing has been done yet but they will try to get something in time for Field Day.

11. Election Committee Report – It was reported that KA8BZB declined to be a member of the committee. Otherwise, nothing new to report.
12. July Picnic Plans – N8XDO will organize the picnic and we will use the same site as last year. K8EHP and KD8ACO will assist.
13. IRLP Problems – WB8APD was asked to reboot the system. There was a discussion regarding limiting access to 9000 nodes (reflectors) because sometimes people bring these up and fail to bring them down, thus preventing access to our node from other IRLP nodes. W2THU stated that preventing access to these reflectors should only be a last resort. N8AUC moved, seconded by K2RJ that the Technical Committee be authorized to impose a time out timer, after a period of inactivity, on our IRLP node consistent with good IRLP practices. The motion passed unanimously.
14. Public Service Schedule – WD8JMM reported the following events: MS Walk on 16 May; Marathon on 17 May; Kidney Foundation Walk on 13 June; Triathlon on 2 Aug.
15. Website – KD8ACO queried whether our website needs to be more dynamic, such as weekly updates by publishing club net activity. He also noted that members are having trouble accessing the membership directory. W8AZO will send a message to the members mailing list reminding them how to do this. K8TJK agreed to be the webmaster.
16. LEARA Net Update and Direction – KD8ACO also queried if the net is satisfying the needs of the club and asked for feedback. Should we publish net activity on the club website? W8AZO said that net activity is already published in the Newsletter which is available on the website. WA8TJL suggested that we use the net information at the holiday party for awards. K2RJ said that hams visiting the Cleveland area would probably search the web to find a club to visit or a net to check into. The discussion also included the solicitation of ideas for new ways to promote the club net.
17. New Business – WB8APD moved, seconded by W8AZO that pursuant to the LEARA sunset regulation that the LEARA Café fundraiser project and the Paypal dues project be terminated for lack of activity. The motion passed unanimously.

K8EHP announced that he and XYL Mary are visiting New England and will operate W1AW on 18 May 2009. He does not know what band yet.
18. Motion to Adjourn was made and seconded and passed unanimously at 1146 Hours.

*Respectfully submitted,
Robert M. Winston W2THU
Club Secretary*



LEARA Meeting Pix
*You miss one meeting...
You miss a Lot!*



Ham Radio Estate Sale

Equipment owned by Tim Culek, KQ8TC (SK)

Items are sold in "As Is" condition. Some units have been checked and found to be in operating condition, but beyond that, no further information is available. Manuals provided for some, but not all, units. Prices negotiable. Contact D.E. "Dee" Logan, WIHEO at delogan@ameritech.net

ITEM	MODEL
Kenwood HF transceiver	TS430
Kenwood power supply	PS-50
Yaesu HT (submersible)	VX-7R 2m/6m/220/70cm
Kenwood 2m/440 transceiver	731-A
Regency scanner	M400
Motorola HT UHF	Visar
Motorola HT VHF	Visar
Uniden Bearcat Scannr	BC235XLT 12-band
Uniden Bearcat Scnnr	BC235XLT 300 chan.
Uniden Bearcat Scnnr	" Trunk Tracker II
Motorola FM HT	STX

ITEM	MODEL
Motorola HT	Astro
ICOM HT	IC-02AT
RadioShack portable Digital trunking scannr	PRO-96
Motorola HT	HT-1000
Wilson UHF HT	HR464-D4
MFJ packet radio TNC2	MFJ-1274
Motorola battery chrgr	NTN4734A
Motorola 2-unit chrgr	AA16742
Motorola battery chrgr	NLN8856
SONY wall cube tnsfmr	AC256 9V 500ma
MFJ cube trnsformer	41D-125 12V 500ma
Microphones (hand)	ICOM, MFJ, Kenwood
Hustler HF vertical	4BTV
Alinco dual bnd mobile	DR-635 (2m/440)
MFJ swtch pwr supply	4245MV (45 amps)

LEARA — The Lake Erie Amateur Radio Association

- 40 Years of Serving Greater Cleveland Since 1969 -

VOICE REPEATERS:

- | | |
|--|--|
| <p>146.76/R-
146.88/R- <i>IRLP</i>
224.90/R-
444.40/R+
444.70/R+</p> | <ul style="list-style-type: none"> • Highland Hills (Use 110.9 Hz tone for remote inputs in Lakewood, Newbury & Willoughby) • Lakewood (Requires 110.9 Hz tone) IRLP Node 4282 • Lakewood (141.3 Hz tone) • Highland Hills (131.8 Hz tone) • Lakewood (131.8 Hz tone) <p>(.76, .88, .90 and .70 offer emergency and member-only autopatch lines.)</p> |
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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.

- | | |
|---|--|
| <p>GENERAL: NBRY
NBRYX
LEARA</p> | <ul style="list-style-type: none"> • 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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