



L.A.R.A. Newsletter September 2017



Lewisville Amateur Radio Association
P.O. Box 292282
Lewisville, TX 75029

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IN THIS ISSUE

From the Prez

My thoughts and prayers go out to those affected by hurricanes Harvey and Irma. Also watching Jose. God bless the ones in their way. On the upside, a woman did find her son though ham radio. When the cell phones didn't work, ham radio got the message through that he was okay and helped to get others out of the flood.

There are some hurricane nets on 14.325 and 7.268.

Hope to see everyone next month for the Lewisville Fire Department's Open House. Come have some fun on the air or just clown around with the clowns. There is something there for everyone. Don't just take it from me, come out, and see for yourself.

It's starting to cool down and so it's a good time to get on some of our projects; reach out to the club if you need a hand with any of yours.

I would like to see the repeater getting more use. It was booming at one time and it can be again. So don't forget 145.170 pl tone 110.9, with a negative offset on

September Business Meeting

Sept. 16, 0800 at Lewisville Central Fire Station, 188 N. Valley Pkwy. Come on out; let's fill the room.

those short trips to the store or the long drive home; someone might be there waiting to have a QSO with you.

See ya on the air.

73' Len KC5MPX

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Upcoming Events:

Oct. 14 – LFD Open House

Oct. 21 – Boy Scout Jamboree on the Air

See Operations Director's Corner

Operations Director's Corner

By: Mike W5EVT

Saturday, October 14 – Lewisville Fire Department Open House. LARA will be operating a Special Event Station 1000 – 1500. Special QSL certificates will be available to all stations making contact with the W5LVC station. Please come out and join us, we will again have stations set up in Mobile Command (Communications 160) vehicle for all to make contacts.

W5LVC



LEWISVILLE AMATEUR RADIO ASSOCIATION

AND

LEWISVILLE (TX) FIRE DEPARTMENT



CELEBRATE THE 17th ANNUAL FIRE DEPARTMENT OPEN HOUSE

Saturday, October 14, 2017



Confirming two-way communication on October 14, 2017, with:

STATION	NAME	TIME (UTC)	FREQUENCY	MODE	REPORT

Thank you for making contact with W5LVC and helping us celebrate our annual open house event.

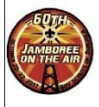
Bring the family along to see all the fire department equipment, clowns, Pipe and Drum Band, live demonstrations, Lewisville Police Department Swat Team and K9 units, PHI and Life Flight helicopters along with free food and drink.

Saturday, October 21 – This year's JOTA will be held at Connor Pavilion at Lake Park on Lake Lewisville. Set up will begin after club meeting at 8:00. Station operation and other activities will be from 10:00 until 5:00pm. We will have two stations set up in Mobile Command vehicle (Communications 160) for on the air contacts both voice and digital.

JOTA is open to all scouts (Boy and Girl) and leaders. Counselors will be available for help with any youth wanting to work on radio merit badge or Girl Scout award. Parking will be beside ball fields so entrance to park is not required. Scouts will be on hand to help with directions.

Each participant will receive a special certificate of participation as shown below.

W5LVC



LEWISVILLE AMATEUR RADIO ASSOCIATION



Congratulates

Name: _____ Unit: _____

For participating in the 60th annual BSA Jamboree-on-the-Air on October 21, 2017 at Lewisville Lake Park

Be it known that this individual participated in various activities associated with the science of Amateur Radio

Signed _____

Contacts Made During 60th Annual Jamboree-on-the-Air

STATION	NAME	TIME (UTC)	FREQUENCY	MODE	REPORT



**60TH ANNUAL BSA JAMBOREE ON
THE AIR (JOTA)**



**THE LEWISVILLE AMATEUR RADIO
ASSOCIATION**

**WILL BE HOSTING TWO ACTIVE RADIO STATIONS
ON SATURDAY, OCTOBER 21,
10:00 AM-4:00 PM AT CONNER PAVILION IN
LEWISVILLE LAKE PARK**

All Cub Scouts, Boy Scouts, Girl Scouts and adult leaders are welcome to join us for our 2nd annual JOTA event. This is your opportunity to explore the science of Amateur Radio. You'll be able to work with experienced radio operators and talk to other scouts around the country and possibly the world. In addition, there will be Radio Merit Badge counselors on site to work with scouts who wish to obtain the Radio Merit Badge. (Please note that it is not possible to complete all requirements during this event.) Each participant will receive a certificate of participation suitable for framing.

Questions? Contact Mike Reitz, 214-535-1368 or w5evt@sbcglobal.net

DIRECTIONS:

From the intersection of N. Mill St. and Lake Park Rd follow Lake Park Rd to Turtle Rd and turn left. Proceed to the north to the end of the last soccer field and turn right into the parking lot. Drive through the lot and at the end turn left and follow the drive to the parking lot adjacent to the ball fields. Park in this lot and follow the path to Conner Pavilion. There will be scouts in the parking lot to provide directions.



Dale's Homebrew

By: Dale WA5WNI

If you were expecting beer, we can talk. However, this topic has a rather more mundane subject.

Homebrew (or D. I. Y.) has always been a part of amateur radio. While very few people these days build their own Single Sideband Transceiver, homebrew is still alive and well in a number of aspects of amateur radio.

Homebrewing at first seems to be a very daunting task, but a number of things have tended to make it much easier. For instance, integrated circuits exist which perform specific functions and can be assembled "Lego Block" style to produce the desired results. Microcontrollers and single board computers exist which can handle functions in software that once required extensive electronic design. Touch screens can take the place of switches and controls. Indeed, the aforementioned SSB transceiver has been reduced to a few chips controlled by a personal computer. The web brings us a plethora of sites with schematics, plans, etc. These plans can be used as is or modified to suit particular needs.

Homebrew can take on many forms, from purchasing kits to designing and building one's own design assembled using DIY printed circuit boards. It is my belief that many hams would like to see some kind of class covering homebrew from those who are merely curious to those who want to build something with their own sweat equity.

I have a number of tools which are useful to the homebrewing ham. Below is a non-exhaustive list:

- Smithy Granite 1340 Max Drill/Mill/Lathe
- Horizontal/Vertical band saw
- 9" vertical band saw
- 5.5 Watt Solid State Laser engraver (CNC)
- Solder Rework Station
- Reflow Oven
- Etching Tank
- 3D Printer

Potential topics are:

- Circuit design.
- Electronic design automation from schematic entry to PCB creation.
- Various design projects
 - Antenna analyzer
 - Antenna Tuner
 - Crank-up mast
 - Satellite antennas
 - Solid State Power Amplifier
 - SWR and Power meter
 - Anything else of interest
- Electronic Microcontrollers and small computers
 - Arduino
 - Raspberry Pi
 - PIC controllers

L.A.R.A. Officers		
Position	Name	Email
President	Len Shipp	kc5mpx@gmail.com
Vice President	Jim Lavin	jlavin@jimlavin.net
Secretary	Tim Monk	timmonk@gmail.com
Treasurer	Ron Ford	rfavcon@verizon.net
Technical Director	Jim Horton	wb8ywa@arrl.net
Operations Director	Mike Reitz	w5evt@sbcglobal.net



ARES

Reprinted from the *DCARA EXCITER*.

By: Guy KC5GOI

In 2014 Denton County ARES requested that all volunteers complete ICS-100, ICS-700, and Skywarn Basic Training Class. We have provided 3 years for existing members to complete this training. If you have not completed this training and have a blue badge, please return the badge to the address on the back of the badge or drop it off at the Denton County EOC. The badges are property of Denton County. Please check <http://denton-ares.org/membership.php> to verify your current status. If the site is not current please reach out to Gerald at wbn5zv@gmail.com. When, or if, you complete the required training your badge will be re-issued.

Ed. Note: Several LARA members appear to be delinquent on the above mentioned list for either Skywarn training, ICS-100, ICS-700 or all of the classes. Following are links where these training elements can be taken on-line. If you no longer wish to maintain your membership in ARES you can give your blue badge to Len, KC5MPX or Ron, KF5OMH and we will see that it is returned to the proper authority.

Skywarn Spotter Training -- https://www.meted.ucar.edu/training_course.php?id=23

ICS-100 – Introduction to ICS -- <https://training.fema.gov/is/courseoverview.aspx?code=IS-100.b>

ICS-700 – Introduction to NIMS -- <https://training.fema.gov/is/courseoverview.aspx?code=IS-700.a>

Various Tidbits

BREAKING NEWS – LARA is now a 501(c)(3) recognized organization. The Determination Letter was received from the IRS on September 1. We have now filed application to the Texas Comptroller for exemption from the Texas Sales and Franchise Taxes. Hopefully, this will be received in the next few weeks.

Corporate Donors – Many corporations make donations to non-profit organizations, such as LARA, that their employees/customers support. Does your company make contributions of this nature? Check it out; maybe there is an opportunity for you and your employer to further support LARA. Here are a few known companies that support non-profit organizations -- Microsoft Matching Funds, Yahoo, Verizon, Network for Good, HP Your Cause, Amazon Smile, Dell, and AT&T. Contact Ron Ford, Treasurer if your employer is willing to make a donation to LARA.

Bike Ride Support -- As many of you know, DCARA provides support for several charity bike rides. This fall they are pretty busy; HOWEVER, on Oct. 14, not only do they have one ride to support, but TWO large rides. This year, they have the Tour de Cure that will be ridden largely in Collin County and the North Texas Bicycle Rally out of Trophy Club. The Tour de Cure decided to move the ride this year to Collin County, however they have asked DCARA to support the ride as in years past. That being said, it's going to take between 45-50 operators to support both rides. They have also been contacted by a new charity for the Emmitt Smith's Gran Fondo bicycle ride to be held on Sept 30. Still working with those folks to see what we will need to support that ride. So please watch the DCARA Google Calendar for updates as they have already started marking dates for rides. Sign up forms will be coming soon as well, but PLEASE mark your calendars if you would like to help during these events.

Local Nets – LARA Information and Help Net every Wednesday at 1900 on 145.170 repeater. LARA General and Extra Study Net every Saturday at 1930 on 145.170 repeater. Digitally Speaking Net every Sunday at 1400 on 146.920 repeater. DCARA Information and Training Net every Monday (except 4th Monday) at 2000 on 146.920 repeater. ARES training Net on the Thursday prior to the 4th Monday at 1930 on 146.920 repeater. Simplex Net on first Wednesday of each month at 2000 on the 147.380 repeater.

HF Radio Nets – Want to participate in some nets on the HF bands? Here is a very comprehensive list that also includes links to web sites for various organizations who operate the nets. http://www.n1yz.com/HFNET_LIST.HTM

Contesting – Have you ever thought about getting involved in ham radio contesting? Here is a link to an 8 day rolling calendar of contests -- <http://www.hornucopia.com/contestcal/weeklycont.php>.

ARRL also has a calendar of their contests here -- <http://www.arrl.org/contest-calendar>.

July Meeting Minutes

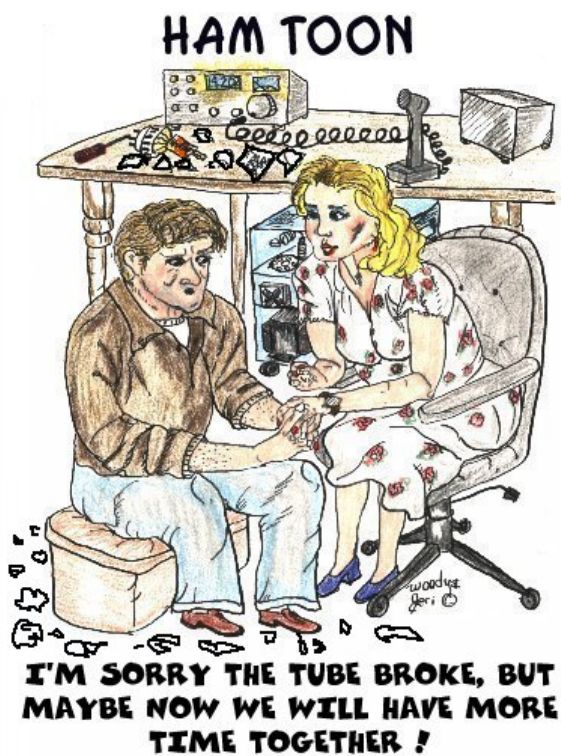
Recorded by Tim, WZ5TM

Meeting minutes were not available at the time of publication. They will have to be read at the business meeting next week.

Upcoming Events

Go to the L.A.R.A. web site – [click here](#)

Scroll down on the home page to reach the Upcoming Events Calendar



July Treasurer's Report

By: Ron KF5OMH

LARA Treasurer's Report - August 2017**Checking Account**

Beginning Balance		\$2,692.41
Income		
Dues		\$25.00
Donations		\$13.50
Raffle Tickets		\$0.00
Shirts		\$25.00
Total Income		\$63.50
Expenses		
Fees		\$276.03
Repeater		\$0.00
Miscellaneous		\$155.88
Total Expenses		\$431.91
Ending Balance		\$2,324.00

Savings Account

Beginning Balance		\$31.66
Deposits		\$0.00
Withdrawals		\$0.00
Ending Balance		\$31.66

CLUB ASSETS

For Sale		\$275.00
Stock (Not for Sale)		\$375.98
Loaner Equipment	\$2,040.00	
Repeater Equipment	TBD	
		\$2,690.98

LARA NET VALUE	\$5,046.64
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Crossword Puzzle

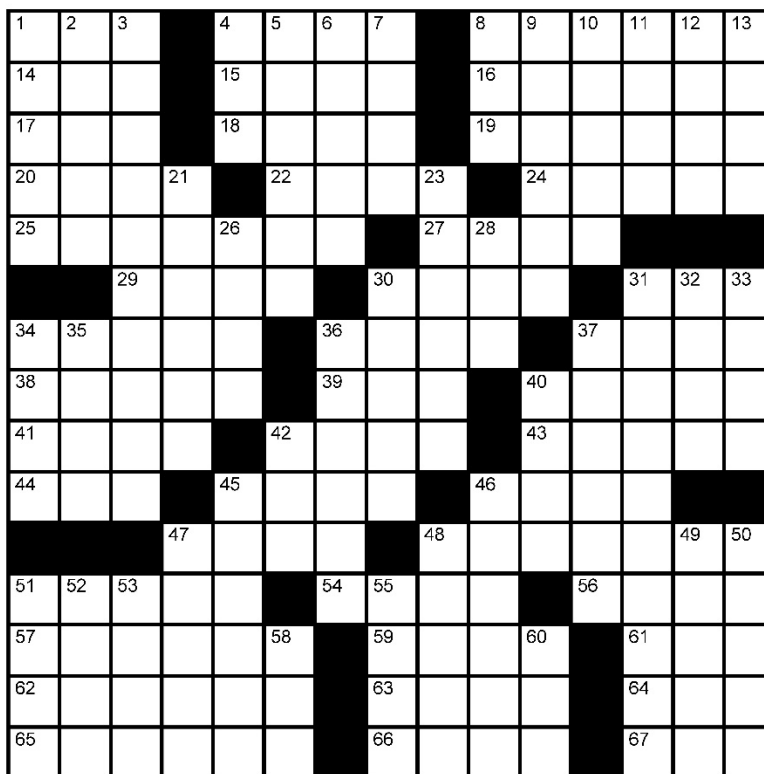
Used by permission of W2PA
Answers elsewhere in this newsletter

Across

1. Cluster cmd
4. Tribander part
8. *10MHz, with 30-down
14. Grammy category
15. Sushi fish (some may generate RF noise)
16. Especially comfortable place for a DXpedition, say
17. Words of understanding
18. Radiation from a "cloud burner"
19. EP city
20. Early radio construction material
22. Part of IARU (abbr.)
24. 5Z
25. Contender, e.g., for ARRL director
27. Copies
29. 160m luminary Perry
30. Polar explorer, early radio user
31. Early radio noise maker
34. WAS item
36. Charge opposite?
37. Spectrum Defense _____
38. With 40-across, a hint to solving the clues indicated with a *
39. Paddle
40. See 38-across
41. Sky hooks, briefly
42. Some HV paths
43. Young's accounting partner
44. Relative of cap. and ind.
45. Bumpkin
46. Wire, from 44-across, say
47. Simple
48. Conclusion
51. Monastery head

54. RF effect
 56. Fly high
 57. Flying high
 59. Used to stabilize a crystal
 61. Owed
 62. VHF antenna measurers?
 63. 59-across product
 64. Before, in verse
 65. *7MHz, with 30-down
 66. Some service hams
 67. Band condition influencer
- Down**
1. *21MHz, with 50-down
 2. Internet cry?
 3. What's needed after barefoot tower climbing?
 4. Doubled, it's a "net"
 5. "Recent Equipment"
 6. 50's Collins
 7. "Hey ... over here!"
 8. Crumb
 9. Stank
 10. Blown resistor remnants
 11. Norse goddess of fate
 12. *3.5MHz, with 30-down
 13. I-land island peak
 21. Mimeographs
 23. E, F and others
 26. ___-do-well
 28. Prefix with -selector
 30. *
 31. Microwave parts
 32. Some gates
 33. W6 summer time
 34. Kind of tissue
 35. Nearly always 9

36. Electromagnetic, and others
37. Coulombs per volt
40. "It's ___ real!"
42. Ether
45. Prefix with -geneous
46. Amplifier type
47. Place to stay at the Hamvention, possibly
48. Libya
49. C2
50. *See 1-down
51. Ethereal
52. *5.4MHz, with 30-down
53. Kind of joint
55. One V per mA
58. UA 73
60. Tfc. org.



Area Repeaters

Courtesy: DCARA *EXCITER* Newsletter

Freq.	Shift	PL	Call	Name
145.1700	-.600	110.9	W5FKN	DCARA-Denton County EOC
145.2100	-.600	110.9	N5MJQ	Metrocrest ARA-Carrollton
145.4000	-.600	110.9	NETARC	Grapevine
145.4900	-.600	85.4	WD5U	Rosston Tower
146.9200	-.600	110.9	W5NGU	DCARA - Denton
146.620	-.600	110.9	N5ERS	Flower Mound
147.3800	+.600	110.9	K5LRK	LAARK - The Colony
224.000	-1.6	110.9	K5LRK	LAARK - The Colony
224.080	-1.6	110.9	W5LVC	LARA
224.920	-1.6	110.9	AF5RS	AF5RS
441.3250	+5.0	88.5	W5NGU	Portable DCARA repeater
442.7500	+5.0	110.9	KA5R	Trophy Club
444.5125	+5.0	123	KE5UT	Celina
442.1750	+5.0	110.9	NETARC	Southlake
442.6500	+5.0	110.9	N5MJQ	Metrocrest ARA-Carrollton
443.3000	+5.0	110.9	K5LRK	LAARK-C4FM only
443.5250	+5.0	118.8	WA5LIE	DCARA - Denton
443.7375	+5.0	141.3	N6LXX	Rosston Tower
443.8750	+5.0	110.9	NETARC	DFW Airport
444.0500	+5.0	110.9	W5NGU	DCARA-Denton County EOC
444.2250	+5.0	110.9	K5CFD	Coppell
444.7000	+5.0	110.9	NETARC	Southlake
444.8500	+5.0	110.9	N5ERS	Flower Mound
927.025	-25.0	D532	N5ERS	Flower Mound
927.4125	-25.0	432	N5LS	Denton
927.6125	-25.0	110.9	W5NGU	DCARA-Denton County EOC
927.1375	-25.0	131.8	W5FKN	Decatur
1253.6000	none	none	W5NGU-G	DCARA - EOC - D*Star "G"
1293.4000	-20.0	none	W5NGU-A	DCARA - EOC - D*Star "A"
442.9250	+5.0	none	W5NGU-B	DCARA - EOC - D*Star "B"
147.4500	-1.0	none	W5NGU-C	DCARA - EOC - D*Star "C"
1259.2000	none	none	KE5YAP-G	DCARA-Rosston- D*Star "G"
1293.2000	-20.0	none	KE5YAP-A	DCARA-Rosston- D*Star "A"
440.7125	+5.0	none	KE5YAP-B	DCARA-Rosston- D*Star "B"
147.4900	-1.0	none	KE5YAP-C	DCARA-Rosston- D*Star "C"
DIGITAL	====	====	=====	=====
144.9100	none	none	W5NGU-4	DCARA Digipeater-Denton
147.970	none	none	K5YX-10	WinLink Gateway
144.990	none	none	KC5GOI	DCARA Digipeater-Rosston
144.990	none	none	KD5EOC-10	DCARA WL Gateway