



L.A.R.A. Newsletter March 2017

Newsletter Editor: Ron, KF5OMH,
rfavcon@verizon.net, 972-742-7839
 Membership items: Sharon, KE5JUI,
ke5jui@arrl.net, 972-900-2899



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From the Prez

Another community service event – Keeping Tradition Alive (KTA) at Wayne Ferguson Plaza on Friday, May 5, 6:00 PM – 10:00 PM. We need folks to sign up; bring your HT's out, man some gates and enjoy some great pipe and drum music. You'll also have a chance to mingle with firefighters from around the world. This event is great fun so come on out; it would be great to see some new faces helping out. A sign-up sheet will be out shortly.

Thanks to all the folks who manned the PIO booth at the Colorpalooza event last Saturday. Special thanks to Dan KE5CIR for setup and take-down of the booth along with spending the entire day manning it. Also thanks to the following individuals for spending time in the booth – Jim K5VZ, Jim WB8YWA, Mike W5EVT and Ron KF5OMH.

How about a Simplex Day in the Park? We're planning one for April 29 at Vista Ridge Park and Athletic Complex located at 2950 Lake Vista. Start time will be after the normal Saturday morning breakfast. In addition, we'll have a "Tail Gate Swap Meet". Gather up the items you want to

April Business Meeting at Lewisville Central Fire Station, 188 N. Valley Pkwy. Come on out; let's fill the room.



1093 W Main St, Lewisville, TX 75067
 Phone: (972) 219-7333
10 percent discount to LARA members

get rid of and bring them along. Who knows you might be able to work out some good deals.

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Silent Key - KF5FOX

John William Lundy Jr., KF5FOX, passed from this life at 9:25am, Monday April 3, 2017. He was born September 17, 1955 in Louisville, KY. He was a U.S. Air Force Veteran and leaves his wife LaDonna, K8DZB, who is also a member of L.A.R.A.

In addition to being one of the original members of L.A.R.A. he was an active member of the Reserve Division of the Lewisville Fire Department. He was retired from Texas Instruments and worked for the City of Lewisville at the Lewisville Lake Environment Learning Area (LLELA).

A Memorial service celebrating his life was held at North Point Christian Church, 101 E. College Street, Lewisville, TX 75057 on Sunday April 9, 2017 at 3 p.m.

**In Memory Of Our Silent Keys
My chair is sitting empty.
My call's no longer heard
My radio rests quietly.
From it comes no words.
On my shack door is a message.
That reads "From Me to Thee"
My frequency's much higher now
I've become a Silent Key**
Judy Hudson KC9CCJ

The preceding poem was submitted by Erick, K00M in lieu of his monthly Technical Director's column.



Information and Tips

By: Jim, WB8YWA

Building a very inexpensive 13.6 - 47 AMP power supply for your station.

Every shack needs a source of low voltage (13.8 VDC) of at least 20 AMPS. Reasons are many, power for your HF rig, your VHF and UHF radios, and then your accessories that require a 13.8 VDC source.

Now to purchase one of these power supplies will cost you at least \$100 for bare bones 20 AMP. Thanks to a fellow ham and friend of mine KT5AL, Alan in Krum, Texas who I chat with on 2 & 6 meter SSB a lot I have learned how to obtain a 13.6 volt at 47 AMP supply for less than \$25. **Do I have your interest?**

Only down side is when ordering they come in pairs. So if you only need one, you need to find a friend that would take the other one; or, do what I did and parallel two for a whopping 94 AMPS.

Here is the WEB site to order. <http://www.garlandcomputers.com/?product=lot-of-2-hp-dl380-g4-575w-redundant-power-supply-hp-pn-321632-501-406393-001>.

Pair for \$24.99



You will also need a package of these wire harnesses. 10 come in a package and you will only need four for your supply. \$4.95 a package.

<http://www.getfpv.com/accessories-188/servo-cables/10cm-male-servo-wire-to-bare-wire-26awg-jr-style-10-pack.html>



Other items needed is a power cord. Same type as used on a desk top computer or monitor, on/off switch, 333 ohm resistor or 1 K Pot, little shrink tubing and some spade lugs. You might want to go as a group and mass purchase supplies and harness. Before we get into the steps of building this supply you need to make some decisions on how you want to package it.

Here are some thoughts:

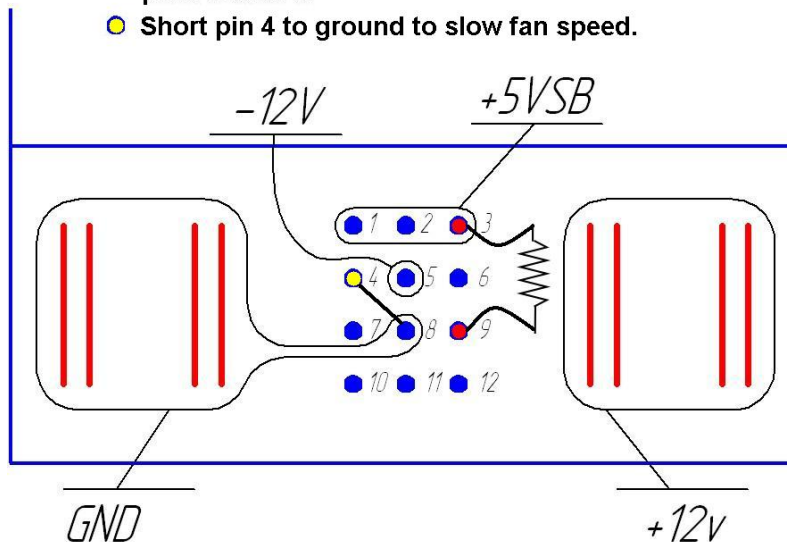
- It is possible to use it as is without putting it in a new enclosure. Here is a link you need for just doing that.
<http://www.ultimaterc.com/forums/showthread.php?t=174225>
 - I do not feel it is necessary to do all the steps listed in this link. For example:
 - Heat shrinking the complete enclosure is over kill.
 - Also removing extra wires in the wire harness that are not used is not needed, just bundle and put heat shrink on them so they cannot short to case or each other.
 - Fig 1 below shows pin out of the wire harness for control.
 - Connect pin 4 and 8 together to slow fan down. Fan will adjust speed for load needed.
 - On/off switch is odd on this unit.
 - It shows to connect pin 6 & 10 together then switch these two to ground pin 8 (which already has pin 4 connected). This needs to be done, but whenever you connect the 120 volt AC cord to power the fan starts weather this switch is on or off. So on my unit I left pins 4, 6, 8 & 10 all connected and switched the 120 VAC for my on/off.
 - Unit now is 12.15 VDC. To change to a more suitable voltage a resistor needs to be installed across pins 3 and 9. As it states in Fig 1 you could put a 1K ohm potentiometer across pins 3 & 9 thus giving you an adjustable supply. A word of **caution** here, the supply is designed to trip on overvoltage at 13.8 so I chose a 333 ohm resistor for mine. This gives me 13.6 and well below overvoltage trip. Resistor values are below along with the output voltage.

250 ohm resistor = 13.8 VDC
 290 ohm resistor = 13.7 VDC
 330 ohm resistor = 13.6 VDC
 370 ohm resistor = 13.5 VDC

FIG #1

DPS-600PB Voltage adjustment
 Use a 1k ohm potentiometer between pins 3 and 9.

- Short pin 4 to ground to slow fan speed.



- Last thing to do is find a way to bring the 13.6 volts out so you can easily connect your equipment.
 - You can see you have four spade type lugs for ground (GND) and four for the 12 + Volts.
 - Wire size is important. I would use two #12 THHN for each side and go to terminal block that can handle the 47 AMPS.
 - One might want to purchase a Rigrunner or MFJ Outlet panel to allow easy connection and fusing.

If 47 AMPS is not enough you have the option to parallel two of these supplies together for a total of 94 AMPS. Same steps as above except pin #11 of each supply is connected together. This allows both supplies to share the load evenly.

- I plan on putting my supply in an enclosure that matches the ALS-500M Solid State Amplifier. It requires 60 amps to run at my base station.
 - I am planning to use the power on / off switch to power AC.
 - Install fuses in back even though this unit has over voltage and current protection.
 - Install a panel meter that shows voltage and amps on a digital display. See the figure below



- This meter is only \$8.95 at this WEB site -- <http://www.ebay.com/itm/100V-100A-DC-Digital-Voltmeter-Ammeter-Amp-Volt-Meter-Current-Shunt-Motor-Solar-/400979479584>

This is a great package, cost is very low and feel this is within everyone's ability.

Various Tidbits

The city is looking for about 6 volunteers to be gatekeepers at the Keeping Tradition Alive Pipe and Drum concert, Friday May 5, 1700-2200 hrs. Gatekeepers would just be required to make sure that no one leaves the venue with alcohol. This is one of the events we do to pay back the city for our free booths at other events, so it would be great if we could fill the 6 spots they are asking for. A link to a sign-up sheet will be available shortly.

Special Events

The Navajo Code Talker Special Event

August 13 – 16, 2017

Check out N7C on QRZ.com

Sunday, April 16, Rookie Roundup (SSB) is a contest aimed at Amateurs licensed for three years or less. This six-hour event is held three times per year (April, August, and December). Rookies can contact anybody, while "Old Timers" make contact with only Rookies. Mentoring is a big part of this event! If you qualify and would like to participate but are not equipped, contact the Newsletter Editor and we'll get you setup with a station and mentor. Check the ARRL web site [here](#) for more info.

Summer Field Day – mark your calendars for June 24 and 25. Dan KE5CIR and his committee have been hard at work making plans for this year's event. More information will be forthcoming in a future issue of the LARA Newsletter.

We're planning one for April 29 at Vista Ridge Park and Athletic Complex located at 2950 Lake Vista. Start time will be after the normal Saturday morning breakfast. In addition, we'll have a "Tail Gate Swap Meet". Gather up the items you want to get rid of and bring them along. Who knows you might be able to work out some good deals. Look for additional information in and email blast.

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



Have you been cleaning out your shack and have some items you would like to sell? Post them here and give other club members the opportunity to enjoy your goodies. Send the description, price and contact info to rfavcon@verizon.net.

C	P	S		H	A	I	T	I		C	A	R	A	T
A	R	M		E	N	D	E	D		O	M	E	N	S
D	U	E		A	T	L	A	S		I	S	P	A	R
E	N	T	I	T	I	E	S			O	N	A	L	L
T	E	E	N	S						M	U	S	T	Y
S	D	R	S		D	O	H	C	I			I	G	Y
				E	M	A	S	T	M		C	O	N	U
	D	X	C	C	C	H	A	L	L	E	N	G	E	
W	A	T	T	S		A	D	V	I	S	E			
P	T	A			U	P	S	I	X		T	O	S	C
M	A	L	T	E	S	E				M	E	S	C	O
	R	O	W	A	N		B	A	L	A	N	C	E	D
R	A	V	E	R		M	O	D	E	S		A	N	D
S	T	E	E	L		G	R	E	A	T		R	T	L
T	E	N	T	S		B	A	N	D	S		S	S	E

Cross Word Puzzle of the Month

All puzzles are published with the permission of the author.

Answers on another page.

by Chris Codella, W2PA

1/10/2008

Chasing DX

Across

1. Old freq. units
4. HH-land
9. Fourteen ____ (weight)
14. Enable, as a weapon
15. Over
16. Signs
17. Expected
18. John Glenn's ride
19. "that ____ for the course"
20. With 22, 55, 56, and 61 across - What you collect for 35 across
22. See 20-across
23. The 18 and 21 MHz bands?
24. "Is that really necessary?"
26. New fangled rigs (abbr.)
27. Work on GUIs and others
30. This began, the July after 24-down
31. An ARRL section official, in 1-land (abbr.)
33. All but K1I6 and KL7
35. You need more than 999 for this award
38. Power units
39. One of the things Elmers do
40. School org.
41. One place where the DX might be listening?
42. Heading 180 from NC
46. 9H operator, probably
49. Early radio parts manufacturer
50. 1960's TV host, with Martin
51. Open wire (line)
54. Equipment reviewer, sometimes
55. See 20-across
56. See 20-across
57. What many towers are made of

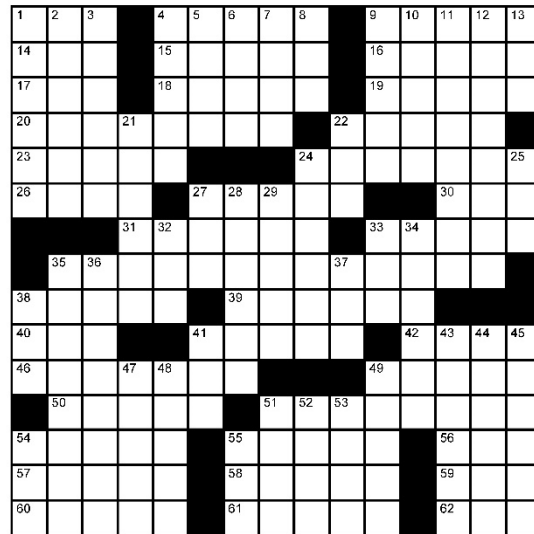
58. The word that explains a UK prefix assignment
59. Digital ckt. family
60. Hamshacks, on Field Day
61. See 20-across
62. Beam heading to work PY from W2

Down

1. "... no space ____."
2. Trimmed, as a dipole (if not a bush)
3. It moves with a signal
4. What an amp also does in the shack
5. Prefix with VOX
6. What an un-keyed transmitter is
7. Some are green, some black, some orange
8. Gives a call sign
9. Nickels and dimes
10. Org. in charge of 43-down
11. What a DXpedition station spends most of the time doing
12. Non-digital, in G-land

13. DOS background job (remember?)
21. Non-ham pesky visitor on FD
22. C in F-land
24. A peak year in cycle 19
25. Some Ukraine prefixes
27. It's between the DSP and the speaker
28. How some DF antennas look
29. Listings for selling small VHF xcvr's
32. MHz predecessor
33. Those in Chile
34. House current, familiarly, if imprecise
35. Like 38-down, but for (other) digital modes
36. Keeps your rig's rock steady
37. A good signal report, in ancient Rome
38. Speed on CW
41. Biggest non-amateur user of radio in the early days
43. Awards for performances by hams in space?
44. Warm tubes and solder resin, among others

45. Pamper
47. What a birdie in your RX sounds like?
48. G-land noblemen
49. Tower-top antenna supports
51. Repeated, it's part of FO0-land
52. 70 city
53. The part of a part you solder
54. Use 3-Down to give out one of these
55. Cute 1960's mobile hamshack



March Meeting Minutes

Recorded by Allyssa, KG5DAS

LARA Meeting Minutes 3/18/17

President Len Shipp, KC5MPX, called the meeting to order at 0808

Officers in Attendance:

President: Len Shipp KC5MPX

Vice President: Jim Lavin K5VZ

Secretary: Allyssa Shipp KG5DAS

Attendance:

Members:

Clark Highsmith K5LWX

Benjamin Highsmith KG5NIN

Mike Beck WX5MAB

Tim Monk WZ5TM

Mike Rietz W5EVT

Bryan Jarvis KD5LBK

Marty Wells KM5OI

Steve Kline W5JK

Ron Ford KF5OMH

Lee Norup K5WXR

Guests:

Ralph Beck

New Members Joined:

Scott Boutwell KG5RJR

Meeting Minutes from Last Meeting: Past meeting minutes were approved as posted on the website.

Motioned by: Ron Ford KF5OMH

Seconded by: Mike Reitz W5EVT

Approved by the Members

Treasurer's Report was given by Sharon Howard KE5JUI: Current Balance \$2237.44

Motioned by: Allyssa Shipp KG5DAS

Seconded by: Jim Lavin K5VZ

Approved by the Members

Technical Report as given by Len Shipp KC5MPX:

145.17 working good.

W5LVC220 is working good

Motioned by: Mike Beck WX5MAB

Seconded by: Jim Lavin K5VZ

Approved by the Members

New Business:

St. Paddy's Day Event - need people to work the gates from 3:45 - 9:00

Len Shipp, Mike Reitz, Jim Lavin, Walter Logan

Repeater Site - Kealy Tower. In negotiations with City of Lewisville to assume use of 2 antennas that will be taken out of service and replaced with 2 tri-banders for club use. Need to purchase 2 tri-band antennas. Will get space in the radio shack for the repeater. Looking to move 220 repeater and future second repeater to space.

Motion to Purchase 2 Tri-Band Antennas and have them ready for Install:

Motion: Mike Reitz W5EVT

Second: Ron Ford KF5OMH

Motion to appropriate the necessary funds, not to exceed \$600 to purchase the Antennas - All in Favor

Mike Reitz - Means to notify members: Treasurer sends out emails when their dues are up. If you think your membership is up please reach out to the Treasurer

Has the Club filed for Tax Exempt Status? Useful when purchasing equipment for the club?

Change membership to expire in a single month to make due collection easier? Prorate dues based on when they join for those who join throughout the year. Suggested to bring back up after elections so new officers can run with it.

Requests for more Tech, General, and Extra Classes. Looking to have a 2 Day Tech class in April. Interest in starting the General and Extra Study Net back up. Offered to Tim Monk WZ5TM, said he'd get back to us.

Old Business:

Officer Elections coming up - March 22

HF Day in the Park - Swap meet and mobile setup comparison to see what works best

Junk Box Pass off

Upcoming Events:

Medal of Honor Ride coming up on the 1st Wednesday in April. Sign up on the DCARA site if interested.

Presentation on JT-65 by Tim Monk WZ5TM

Motion to Close Meeting Made by: Jim Lavin K5VZ

Seconded by: Mike Beck WX5MAB

All Members Approved

Meeting Closed at 9:30

L.A.R.A. Officers

Position	Name	Email
President	Len Shipp	kc5mpx@gmail.com
Vice President	Jim Lavin	jlavin@jimlavin.net
Secretary	Allyssa Shipp	allyssashipp@gmail.com
Treasurer	Sharon Howard	ke5jui@arrl.net
Technical Officer	Erick Guzowsky	zaphod1@swbell.net

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
147.300	+.600	114.8	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