

Longview East Texas Amateur Radio Club

Serving Ham Radio Enthusiasts in East Texas

2012

LETARC Propagation

Longview East Texas
Amateur Radio Club

LETARC.ORG

groups.yahoo.com/group/LETARC/

Club Repeater
K15UA/147.34
(+ 136.5Hz tone)

Program January 21st



The first part of the program for January 21st reviewed the volunteer efforts by many people who helped install the new repeater. The photo at the left shows Jim Rogers, Dean Patterson, Tom Wilbeck [on tower] Jim Quinn [younger] and Rod Bartlett.



LETARC especially wishes to thank **Van Bullcock** for allowing LETARC to use his tower!! This new location provides coverage for the entire

Longview area and beyond.

The second half of the program focused on how the Board of Directors can better serve the membership. The Board members presented a list of projects that they want to accomplish this year. The membership made a number of suggestions.

Basically, here is the key list of projects that the Board of Directors proposed:

Projects that are More Visible to Membership include:

1. Transformation of Radio Room by Field Day
2. Tower/antenna work at Red Cross
3. Form steering committee composed of LETARC board and two non-board members to guide transformation efforts
4. Programs focusing on various aspects of the hobby.
5. More emphasis on digital modes prior to Field Day.
6. Activities: contesting, fox hunts, tailgate sales, etc.
7. Better utilization of web site functionality

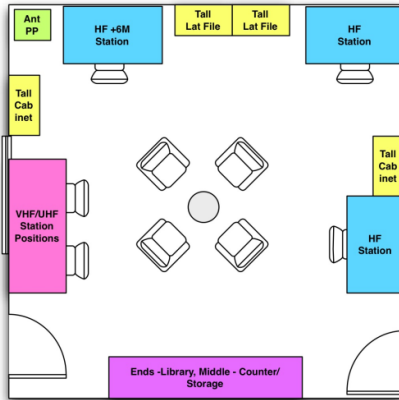


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January 21, 2012 Meeting—continued

The LETARC radio room located in the Red Cross building is in need of updating and reorganization. Thanks to Dean Patterson, we now have four new radio work stations on rollers. Each station will have a radio working a particular band and/or mode. The transformation will include redecorating [paint], additional lighting, reorganization, etc. to improve functionality and appearances. The Board will call upon the membership to help with this project. One possible design is shown below [thanks to Gary Lewis for this] important contribution. We look forward to having an improved radio room dedicated to Amateur Radio for everyone's benefit. It can become a show case for Amateur Radio!



More proposed ideas from the Board:

Less obvious will be several points of focus from the Board of Directors. These include but are not limited to:

- 1 Convert financial books to a standardized system
- 2 Board members to write position manuals which will assist with transition from year to year.
- 3 Obtain 501c3 status with IRS which will enable donations that are classified as tax deductible.

The members of the Board are: Gary Lewis, President; Tom Wilbeck, Vice President, Terry Johnson, Secretary/Treasurer, Jim Rogers, Communication, and; Todd Hoover, Media/Newsletter. Please let us know what you think, do you have suggestions? We welcome your ideas.

Announcements



EmComm ARRL EC-001 Course starts Feb. 21th [Contact Terry Johnson, KG5WO or Gary Lewis, WG5L]

- ◆ 8 week course at Red Cross
- ◆ ARES Training Net will be temporarily suspended during the course

Skywarn Classes on March 3rd [Tom Noe, W5TDN]

- ◆ Basic and Advanced at LFD Fire Academy

These instructional sessions will be top flight and we highly recommend that you participate. The EmComm ARRL EC-001 course will enable you to participate actively in ARES hence, emergency communications. When we have a weather situation emerging, you may want to help. You need to attend the training sessions.

February 2012 Edition, QST

Did you happen to see the latest edition of QST? Several very good articles are presented. Here is a brief list:

Avoiding Problems in the RF Chain. From the radio to the antenna, will your system produce the maximum radiation?

Going Totally Green. How about setting up your radio station so that you use renewable energy.

Characterizing Solar Panels for Amateur Radio Applications. Price competition has begun to make solar panels viable for the Amateur Radio Operator.

And, of course, look for the usual News and Features found in edition of QST.

Constructing a Tape Measure Yagi Antenna

144MHz EME with a WB2HOL Tape Measure DF Yagi!

by Joe Leggio, WB2HOL

Parts List

- 3 feet of 1/2 inch schedule 40 PVC pipe
- 3 - 1/2 inch schedule 40 cross connectors
- 2 - 1/2 inch schedule 50 caps
- 1 - inexpensive tape measure (I used a 5/8 inch wide tape, but a 1 inch wide will be better)
- 4 feet coax cable with a connector on one end (UHF, BNC, SMA, etc.) and the other end prepared for soldering
- 6 - #12 (11/16 inch to 1 1/4 inch) hose clamps (You may buy a bag of 10 and save money)
- Black electrical tape
- 5 inch piece of solid wire for hairpin tuning component (12 to 18 gauge will work)

Tools required

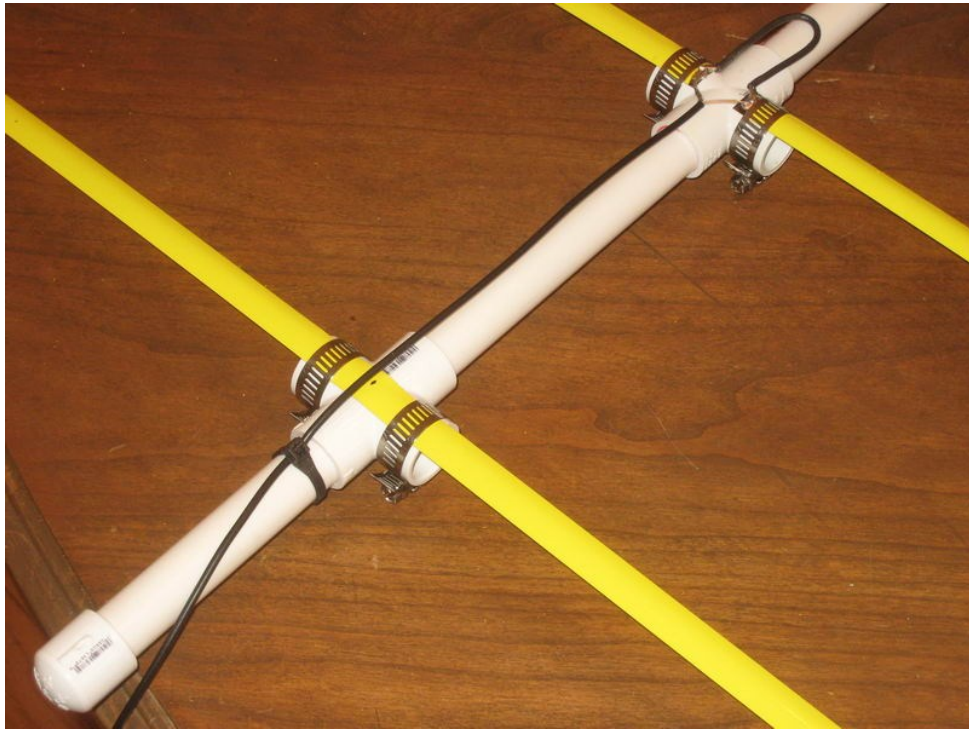
- Hacksaw or PVC pipe cutter
- Soldering iron or gun
- PVC cement
- Electronic solder
- Wire cutter
- Flat blade screw driver or 5/16 inch nut driver (to tighten hose clamps)

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3 Element Yagi—continued



The image provides a close up view of one finished product.

This antenna design was used with Satellite contact. See the following link:

<http://www.youtube.com/watch?v=ogU7ZjljKKY> ← Explains setup

<http://www.youtube.com/watch?v=LBVT-3BwYI8> ← Contact made

144MHz EME with a WB2HOL Tape Measure DF Yagi

<http://www.g4dvc.co.uk/dfeme.htm> ← EME setup

This antenna design was done by Joe Leggio, WB2HOL. Joe provided permission to use this information in our newsletter. For a more complete presentation, visit the club web page , LETARC.ORG. The additional information will be available in its entirety which provides many photos. Check middle of next week.

Please let Todd Hoover, N5TJH, know your views regarding this newsletter. You will notice that he changed the color to correspond to a new year and to coincide with the LETARC.ORG web page header. Send your comments to: HOOVER_TJ@YAHOO.COM

Thanks in advance and we look forward to another great year of Amateur Radio!!!!

Important!

Membership Application

LETARC MEMBERSHIP APPLICATION

PO BOX 5613 LONGVIEW, TX. 75608-5613

Membership: *New or Renew [Circle One]* Calendar Year: 2012

DATE: _____

CALL SIGN: _____ LICENSE CLASS: _____

LAST NAME: _____ FIRST NAME: _____ MI: _____

ADDRESS: _____

CITY: _____ ZIP: _____

TELEPHONE: _____ CELL PHONE (optional): _____

E-MAIL ADDRESS: _____ DATE OF BIRTH: _____

ARRL MEMBER? YES NO

=====

TYPE OF MEMBERSHIP (check one):

FULL MEMBERSHIP: \$25.00 per year. A full member shall be an FCC licensed Amateur Radio Operator.

FAMILY MEMBERSHIP: \$35.00 per year. A family membership is available to members of the same family, provided they reside at the same residence. Each member has the same privileges and same membership requirements as full members.

Privacy: Member names, addresses (including email addresses) and other personal information shall not be supplied to any third party without expressed consent of the individual.

SIGNATURE: _____ DATE: _____

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Please list all of your Amateur Radio Interests: [Examples: Contesting, CW, 6 Meter, 1.2 ghz, Kit building, ISS, AMSAT, Emergency Communications]

Entered master database: __ Confirmation letter sent: __ Entered master email list __

For use by LETARC

Revised: Nov. 2011