THE DELAWARE-LEHIGH AMATEUR RADIO CLUB, INC.

NEWS

RD #4
GREYSTONE BUILDING
NAZARETH, PA
18064

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** DECEMBER 1 ** 1988
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December 1====December 1===December 1===December 1===December 1===December 1====December 1

WAIT FOR THE BEEP BEFORE YOU SPEAK WAIT FOR THE BEEP BEFORE YOU SPEAK

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BIG CHRISTMAS WISH LIST AT THIS MEETING

With a program that will even beat a "Can you Top This?" TV special, a special demonstration has been arranged by Program Chairman Bill, K3ANS.

.A hands on demonstration of the new ICOM 781, the new $6000. all band transceiver will be given by representatives of Ham-tronics, Inc of Trevose. This is the radio with the built in Spectrum analyzer and many more goodies. It is hard to describe. Come play with it. In addition they will bring with them many other pieces of the latest amateur radio gear.

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GET READY FOR OUR CHRISTMAS PARTY
FRIDAY DECEMBER 16th

Our Christmas party committee has done its thing. Plans are all made and it is time to make your reservations.

To be held at the Cedar Club, 1135 Broadway, Bethlehem beginning at 6:30 for a attitude adjustment hour, with dinner being served at 7:30.

The sit down dinner will include Appetizer, Baked Ham and or Turkey, Filling, Salad, vegetables, beverage and desert.

The committee consisting of KA3MNY,N3FWU and KA3PZI, have arranged for music by the DLARC players.

Get your money and/or reservations to Roy, KA3MNY for $12.50 per person as soon as possible. Seating is limited to only 50 people, so don't be disappointed. It will be a bash.

CLUB RAFFLE ON THE WAY

Led by committee members, W3CJI and KC3CR, tickets should be in your hands by the time your read this newsletter.

Remember this is the only fund raiser we have all season and it is necessary to meet many of the expenses of DLARC.

The prizes are great, they include the following:

1st Prize.....VHS Video Recorder
2nd Prize.....Remote Telephone
3rd Prize.....Sony Walkman.

This year in order to make it more interesting, there will be prizes as well for those that sell the most tickets. Prizes will include the following:

1989 Callbook, USA
1989 ARRL Handbook
$40.00 Credit towards QSL Cards
Free Dues in Club for one year.

So when you get your tickets, SELL, SELL, and help keep us in good financial condition so that we can upgrade our repeater and our club station.

The drawing will be held at the meeting on February 2nd. Make sure that all money and tickets are turned in to Brownie, W3CJI before that time.

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REMEMBER! MEMBERSHIP IN THE ARRL IS NOT ONLY A SUBSCRIPTION TO A MAGAZINE, IT IS A FIGHT FOR OUR SURVIVAL AGAINST OUTSIDE INTERESTS FIGHTING FOR OUR FREQUENCIES.

A FEW MINUTES WITH NQ3D
by Mike NQ3D

The November meeting of the DLARC was held on November 3rd at the Greystone building in Nazareth. the meeting was called to order by outgoing president Bob, KU3K. the meeting was then turned over to president-elect Clarence, W3PYF. Sixty five members and guests were present.

The minutes of the October meeting were read and approved. The treasurers report was read by KA3MNY and approved. Total monies on deposit is $1388.27.

New members welcomed: NZIOF, Charles Read; KO3M, Anne Kaiser; KA3TIU, Bruce Navarre; NS3I, Richard Frisby; KBZFMZ, Walter Hnot; KA3TEO, Marvin Navarre; WB3HSZ, Edward Heiser; KB3IF, Ronald Hontz and N3GMI, Allen Blair.

Under old business, the Annual Raffle, tickets will soon be mailed to members; ticket cost will remain $1; the drawing will be held at the February club meeting. PA QSO Party logs were collected and W3TDF reported the DLARC should break the 1,000,000 point barrier. Field Day chairman KU3K reported that the DLARC finished 23rd out of 310 Class 3 entries.

President, W3PYF announced a possible dues increase for 1989.

Under new business: Volunteers are needed; the October antenna problem on the .70 machine has been rectified; the club's old defective antenna is being donated to the 146.775 machine; members were urged to "Listen for the Beep" before transmitting on the .70 machine. Members were also urged to keep .70 available for others by QSY'ing to another less busy machine for long contacts. USE IT, DON'T ABUSE IT!.

The House committee KA3MND and KA3RBH volunteered to set up the sound system prior to meetings.

On the Membership committee, NC3P agreed to assist W3PYF and KA3MNY with the club roster, autodial numbers, etc.

On the club station, KU3X will continue to familiarize members with the club equipment; W2SPK and K6QDT also volunteered their services.

On the Social activities committee report, KA3MNY, KA3PZI and N3FWu will plan the club Christmas party.

The banquet committee, W3TDF will chair and K3ANS will assist. Program committee chairman K3ANS announced the plans for the following meetings.

Field day '89 KU3K, KA3EED and KW3W will lead the event.

Members were reminded that K3YD had a very good article on repeater protocol in the November Newsletter. W3PYF is still in need of help with the club Newsletter. Let's all help to keep our Newsletter first-class! W3PYF called for adjournment.

de Mike, NQ3D

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THE PREZ SEZ
by Clarence W3PYF

First let me thank all of you who came to the first meeting I have led since 1952 when I last was president of the DLARC. The 65 members and guests made it feel as though we have a great year ahead.

My thanks to all who volunteered to help with the many projects we have in mind for the coming year. K3CP has volunteered to write a complete manual for servicing the .70 repeater during the course of the coming year. All the documentation will be in one place, this however does not mean that all members will be servicing it. The chairman, Ron, K3LPR will continue to, at least I hope, do his thing.

My thanks to Ron and Don, W3LR for getting the Id'er going on the W3PYF repeater on 145.11. This will make it a lot easier to use.

I will at this time make no promises for the coming year. I will just try one thing and if it works, we the 250 members will have what is becoming one of the leading clubs in the state. That thing is to make all members a part of the organization. There will be no cliques, no special people, all will be the same, and I hope that if I make a mistake in some of the things I do, you will contact me, and tell me about it. If I can do it, I will try my best to clear up any misunderstandings.

Why not try to join us on Sunday mornings and Wednesday nite for the EMA nets. Club news is given at every session. 73 for this month...de W3PYF, Clarence

A WORD FROM THE LEHIGH WHEELMEN
by KB3UD

Msg # 1138 Type:B Stat:$ To: ALL
@LEHPOC From: KB3UD Date: 26-Oct/2221
Subject: L.W.A. Century KooDoos
Bulletin ID: 32120_KB3UD
Path: KB3UD

The following is an excerpt from the October issue of QUICK RELEASE, the newsletter of the Lehigh Valley Wheelmen. It was imbedded in an article reviewing the recent Century ride.

"The Delaware-Lehigh Amateur Radio Club provided the vital radio communications that enables us to run our event so smoothly. They have performed this function for every Century that I can remember. They also provided personnel at each checkpoint to record the number of each rider as he or she arrived, and personnel in the sag wagons to handle communications. My special thanks go to Bob Kratz, KU3K who coordinated the club's assistance, and to Bob Mulrooney, KB3RI who provided and drove a sag wagon."
signature:

Paul Bednarczyk, LWA President

Speaking as one who participates as a cyclist in the Century, it is indeed a warm feeling to know that our club members are out there. (I only wish KB3RI wouldn't blow his horn at me on the back roads!) This year, I had no doubt in my mind that somewhere none us can could truly identify, Herb, K3CIS was checking up on each of us, rider and worker alike.

Tom, KB3UD

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FOR SALE

YASEAU FT726R with 6 meter module. Advanced Research Gasfet Preamp, Heath 2 meter SWR & Wattmeter, Kenwood TS520 just returned from factory alignment 2 meter antenna tuner plus Long John 23 element antenna. Call Charlie, K3BCV at 432-2805.

SMOKERS-BEWARE
by Ralph, N3FFW

I have enjoyed being a cigarette smoker forty eight or fifty years. I decided that I would just quit in January of this year and go cold turkey as the saying goes.

I felt real good and had no complaints of any sickness, although my family kept telling me that I was losing too much weight according to what I was eating, so I made an appointment to see a doctor for a physical.

After the doctor examined me and told me that my sugar was high and made arrangements for a blood analysis and a chest x-ray at the hospital, I was told that a small nodule shoed up on my left lung. The doctor stated that it could be something or it could be nothing. He made the arrangements for a cat scan and the scan showed the nodule to be a mass.

After arrangements were made for further tests at the hospital it shoed that the two lymph nodes that were removed were negative in nature and were not connected to the tumor in the left lung.

I was readmitted to the hospital for a major operation on the left lung to remove the upper lobe of the lung, but when they started the operation they found that the bottom lobe was cancerous. They removed the entire lung.

All these years I thought that smoking wouldn't hurt me, but I was wrong. The moral of this is to try to let others know that in time it will hit you when you least expect it. So now fellow smokers don't you think it is time for you to quit too. The doctor told me that smoking had caused the development of the tumor. I have three sons that smoked and I can say that they quit cold turkey and haven't returned to smoking. I was lucky in that the Cancer was of the slow moving type and it was only in the left lung, no lymph glands were effected. I hope that in some small way these comments will help some to finally give up their smoking habit.

de Ralph, N3FFW

Editors Note: This story from Ralph was sent to me by Ralph and I feel that it may help someone continue to pay dues.<W3PYF>

JAMBOREE ON THE AIR
JOTA
by Bill KA3RBH

I am sitting here at Evergreen Lake Campgrounds with Skip, K3ZTJ and Roy, KA3MNY on a brisk Sunday morning, not long after sunrise. We have about 65 Boy Scouts and 30 leaders for the Jamboree on the Air. (JOTA)

It has been a fantastic weekend with them. Highlighting some of the fun, Skip, K3ZTJ remarked about the first contact to Russia, the boys were amazed that they could talk around the world as easy as talking on short distance radio.

Later on in the day, they contacted Holger in Germany and one of the boys asked him how many kids he had, the replay "no we do not have any goats here."

As I am writing this with one ear on the radio and one half of what I am writing, I hear "Hello" from Chippenham England, we are 10 Boy Scouts greeting from a Jamboree Camp over there. Gareth, the amateur radio operator goes on with the QSO, also remarking about the fun they are having.

IN my travels around the camp I heard comments that this was one of the best camporees they had been to.

The boy Scouts of Minsi Trails Council, South Mountain District 3, would like to give K3ZTJ a special thanks for making this a great event. They would also like to thank the Delaware Lehigh Amateur Radio Club for use of it's call W3OK and Roy Buss, KA3MNY; Meryl Turzanski, W3LPB; DAvid Marsh, N3FWU; and Alan Strauss K3USV for all their help.

de Bill KA3RBH

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CQ CQ DE CUB SCOUT PACK 31
by Mike, NQ3D

On the evening of October 7th and the afternoon of October 9th, I had the pleasure of welcoming members of Cub Scout Pack #31 (Williams Township) into my shack. This was done to coincide with the 1988 JOTA,Jamboree On the Air, an annual event to help familiarize scouts with ham radio.

W2UY, Bud, happens to be the grandfather of one of the boys, and he was more than willing to set-up a sked for a 40 meter fone/CW QSO. The boys really enjoyed talking to someone in Rochester, NY. Bud's daughter got into the act on this end and his XYL joined in on his end for their first-ever QSO.

On Sunday afternoon, two groups of Cubs stopped over and we managed QSO's with N5KJJ in Port Arthur Texas, X#3UXO in Yucatan, Mexico and KB0ADG/m, in his car in Lakewood, Colorado. These contacts were all on 10 meter fone. I'm planning on bringing the boys over earlier in the day next year and working into Europe.

The Cubs really enjoyed themselves and, hopefully, learned something. Thank goodness my HW-101 survived the PA QSO PARTY so that I could make some contacts for them. In the near future, I'll be giving a talk to the entire 50 member Pack and members of their families about this great hobby of ours. This may be done with Larry, K3LZ, and 50 copies of Archie's Ham Radio Adventure have already been received from ARRL. Any suggestions would be appreciated.

de MIKE, KQ3D

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Editors note: The club thanks those of our members who participated in this great activity. I hope next year more will join in with visitors to their homes.

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NOVEMBER VE TESTING
by Don KC3II

The November 4th VE testing session at the Northampton County EMA headquarters sponsored by the DLARC had only two candidates.

One club member, N3DXQ, Bob Smith upgraded to Advanced.

Next session will be held on Dec 2nd at 7Pm in the meeting room at Gracedale. Team #4 doing the testing.

VE's are needed to help with the testing. Please contact me to fill openings on the VE teams.

de Don KC3II

ELECTRICITY

author unknown

Today's scientific question is: What in the world is electricity?

Here is a simple experiment that will teach you an important electrical lesson:On a cool, dry day, scuff your feet along a carpet, then reach your hand into a friends mouth and touch one of his dental feelings.Did you notice how your friend twitched violently and cried out in pain?

It also teaches us how an electrical circuit works. When you scuffed your feet, you picked up batches of "electrons," which are very small objects that carpet manufacturers weave into carpet so that they will attract dirt. The electrons travel through your bloodstream and collect in your finger, where they form a spark that leaps to your friends filling, then travel down to his feet and back into the carpet, thus completing the circuit.

AMAZING ELECTRONIC FACT: If you scuffed your feet long enough without touching anything, you would build up so many electrons that your finger would explode!

But this is nothing to worry about unless you have carpeting.

Although we modern persons tend to take our electric lights, radios, mixers, etc. for granted, hundreds of year ago people did not have any of these things, which is just as well because there was no place to plug them in. Then along came the first Electrical Pioneer, Benjamin Franklin, who flew a kite in a lightning storm and received a serious electrical shock. This proved that lightning was powered by the same force as carpets, but it also damaged Franklin's brain so severely that he started speaking only in incomprehensible maxims, such as, "A penny saved is a penny earned." Eventually he had to be given a job running the post office.

After Franklin came a herd of Electrical Pioneers whose names have become part of our electrical terminology: Myron Volt, Mary Louise Amp, James Watt, Bob Transformer, etc. These pioneers conducted many important electrical experiments - - Among them, Galvani discovered (this is the truth) that when he attached two different kinds of metal to the leg of a frog, an electrical current developed and the frog's leg kicked, even though it was no longer attached to the frog, which was dead anyway. Galvani's discovery led to enormous advances in the field of amphibian medicine. Today, skilled veterinary surgeons can take a frog that has been seriously injured or killed, implant pieces of metal in its muscles, and watch it hop back into the pond just like a normal frog, except for the fact that it sinks like a stone.

But the greatest Electrical Pioneer of them all was Thomas Edison, who was a brilliant inventor despite the fact that he had little formal education and lived in New Jersey. Edison's first major invention in 1877 was the phonograph, which could soon be found in thousand of American homes, where it basically sat until 1923, when the record was invented. But Edison's greatest achievement came in 1879 when he invented the electric company. Edison's design was a brilliant adaption of the simple electrical circuit: the electric company sends electricity through a wire to a customer, then immediately gets the electricity back through another wire, then (this is the brilliant part) sends it right back to the customer again.

This means that an electric company can sell a customer the same batch of electricity thousands of times a day and never get caught, since very few customers take the time to examine their electricity closely. In fact, the last year any new electricity was generated was 1937; the electric companies have been merely re-selling it ever since, which is why the have so much time to apply for rate increases.

Today, thanks to men like Edison and Franklin, and frogs like Galvani's, we receive almost unlimited benefits from electricity. For example, in the past decade scientists have developed the laser, an electronic appliance so powerful that it can vaporize a bulldozer 2000 yards away, yet so precise that doctors can use it to perform delicate operations to the human eyeball, provided they remember to change the power setting from "Vaporize Bulldozer" to "Delicate."

FACSIMILE RECEPTION ON HF

by

Joel, K9TBD, Digital Editor

The modern all mode RF MODEMs (Modulator, Demodulator) called in the Amateur world TU (for terminal unit) can receive and transmit all of the modern modes from CW, RTTY, Packet - but this issue is about WEFAX (standing for Weather Fax.

You can copy not only weather (no gray only black and white - best for us Amateurs) but wire photo's. Here is a list of frequencies from my AEA PK-232 documentation:

Wx-USB: 3357, 4268, 4975, 6946, 10865, 12125, 20015 kHz. Photo's-LSB 10680.7, 17673.9, 18434.9 kHz. Other: 4271, 9890, 10536, 13510 kHz Halifax, Canada 4793.5, 10185, 12201,14671.5 kHz WDC etc. - Hopefully someone will be kind enough to put up some of the current frequencies for FAX on a local BBS for the rest of us to print.

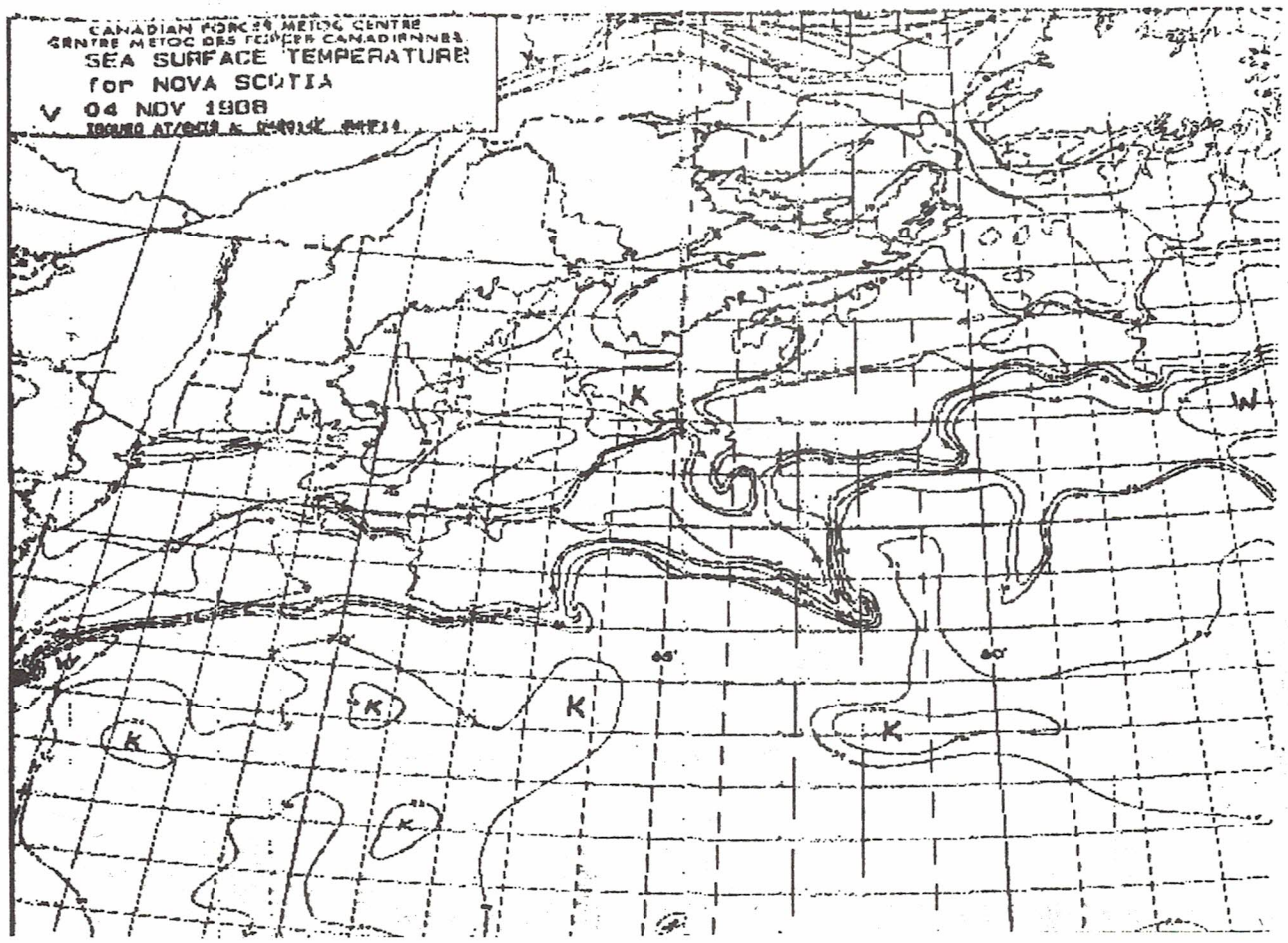
I copy Halifax on 10.540 (actually 10.536 mHz) for RTTY and FAX alternating 1/2 hours since my receiver can get that frequency. It comes in very strong (20/9) during the daytime, and a good place to practice as well as being interesting.

Weather FAX does not have commercial resolution but it is good enough for us Amateurs to read and have fun. My settings for the PK-232 are ASP (Z-3), PRCON ON, PRFAX ON, FAX. The RTTY section is 100 wpm (75 Baud) Baudot, up-side-down, 850 Hz shift. If you get it right you don't have to tweek your receiver between FAX and RTTY WX.

A sample of the RTTY 1/2 hours is as follows: ABE SA 061852 45 SCT: 30/003/63/40/1816G22/954 This reads: The Allentown Surface Aviation Weather on the 6th day of the month at 18:52 Z is - 4,500 feet Above Ground Level (AGL) Scattered clouds, the visibility is 30 miles (statute), the millibar barometric pressure is 1000.3 mb, the temperature is 63 degrees F, dew point is 40 degrees F, the winds are 18knots at 160 degrees Gusting to 22knots, and the mercury barometric pressure is 29.54 inches. (std pressure at sea-level is 1013.3mb which is 29.92" of mercury).

Enough text on this exciting mode. Look at the FAX pix and see if you want to get interested. 73's Joel

skwaak skwaak thwwst thwwst qust qust qust theepa theepa bdrbdrbdr



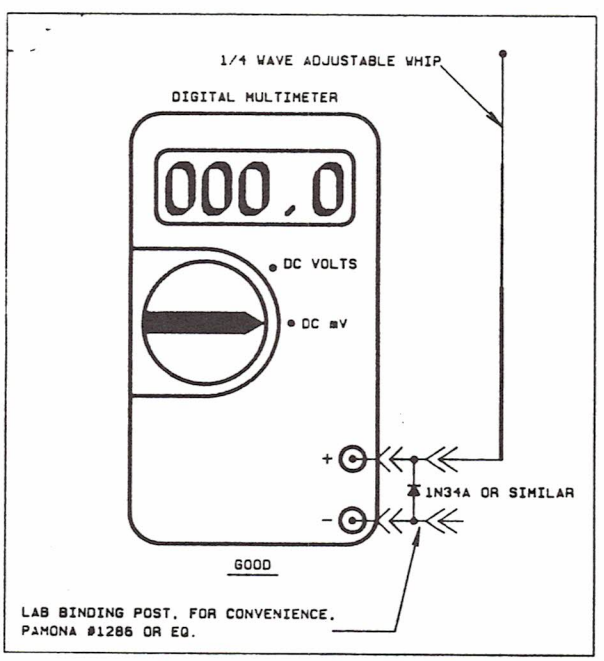
SO YOU WANT TO FIND HIM OR IT

The following article was submitted by N3IK and was written by Bob West, a division communications officer in the Coast Guard Auxiliary and Bill Wallace a pilot with the Civil Air Patrol. It is printed here for experimentation by amateurs, who wish to find the source of interference.

One of the most commonly occurring tasks in the Civil Air Patrol and to a certain extent in the Coast Guard Auxiliary is the locating of ELT's (Emergency Locator Transmitters) and or ERIRB's (Emergency Position Indicating Radio Beacons).

The Search and Rescue Satellite System can detect these problems amazingly well and give an approximate location, but accuracy is only "city or county wide". A ground party or search aircraft can usually narrow the area down to a football field sized area, but from that point on location can be come a problem.

The unit illustrated in Fig. 1 has proved to be a top notch performer for close-up work that is still beyond the range of a Grid Dipper or analog Field Strength Meter. The authors using this set up have detected a 450 MHz 100 watt ERP commercial transmitter at a distance of 1200 feet. A five watt handheld on 150 Mhz can be detected at approximately 200 to 250 feet. Fluorescent light noise and TV screen radiations easily detected when the unit is held close to the source.



If you know what frequency you are looking for tune the antenna by adjusting the length to one half wavelength. If you don't know the frequency just extend the antenna to maximum practical length until detection is achieved. Then maximize the reading by adjusting antenna length.

Use an auto-ranging Digital Voltmeter if available, as strong signals can produce readings as high as 30 volts.

Diode performance varies, so experiment with several diodes and use the most sensitive.

The setup in Figure 2 shows a better way and more sensitive set-up, in addition it gives a chance to test directivity by turning the dipole.

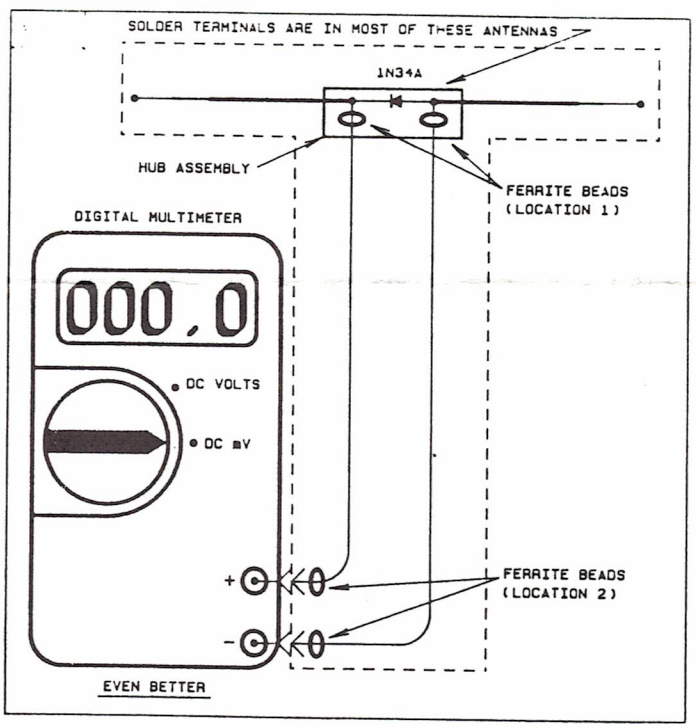


Fig 2.

A slightly better one is shown in Fig. 2 and if ferrite beads are placed at the base of antenna the feedline can be replaced with a tougher wire.

Installing a loop in place of the dipole makes for a very compact narrow bandwidth unit for checking in real close.

Reprinted from Monitoring Times



THE LONG ISLAND DX BULLETIN

DE AJ3H

Need the latest news from the DX world? There are several bulletins but the following seem to be the most popular.

The Long Island DX Bulletin
P. O. Box 173
Huntington, NY 11743-0876
(Published bi-weekly - $16/yr)

QRZ DX
P. O. Box 832205
Richardson, TX 75083
(Published weekly - $30 for 50 issues)

The ARRL has a DX bulletin on Friday. Check QST for details.

DX NEWS

VP8 - South Georgia - VP8BRR is active on 14.175 MHz at 2245 UTC and is also found on 14.236 MHz with the INDEXA Net at 2200 UTC. QSL via G4YLO.

3D2 - Rotuma Is. - Early indications are that the recent operation from Rotuma Island will count for DXCC.

FT/X - Kerguelen - FT2XE is active on 28.532 MHz around 1100Z.

FT/Z - Amsterdam - FT5ZB can usually be found near 14.220 MHz most days from 0030 UTC. Also try 28.532 Mhz or 28.027 Mhz between 1100 and 1300 UTC. QSL via F6ESH.

FR/J - Juan de Nova - FR4FA/J near 28.560 MHz most days from 1500 UTC. QSL via F6FNU.

BY - China - BY1PK on 28.475 MHz and BY4SZ on 28.600 MHz weekends from about 2330 UTC.

J5 - Guinea-Bissau - J52US on 28.456 MHz at 1700 UTC; 21.280 MHz from about 0030 UTC. QSL via WA8JOC.

3W - Vietnam - Although the Hungarian team operating 3W8CW and 3W8DX leaves 2 Dec., a US-USSR team will be signing 3WØA from 20 Nov. to 9 Dec. QSL route to be announced. A real case of DX feast or famine!

CEØ - Juan Fernandez - CEØMTY is active several days each week on 28.495 MHz about 2330 UTC.

A4 - Oman - A4XGY meets K2RU, his QSL manager, each Sunday on 28.450 MHz at 1200 UTC or 21.345 MHz at 1600 UTC.

XF - Revilla Gigedo - XF4C is scheduled to operate in mid-December.

SØ - Sahara Dem. Rep. - SØ1A on 28.600 MHz from 1800 UTC. QSL via EA2JG.

VP2 - Anguilla - VP2ET likes 28.580 MHz around 2100 UTC. QSL via K5RX.

RTTY - 20m RTTY (UTC) except as noted: CN8CC (1120) ... KD7P/NH2 (0110 - 15m) ... OD5SK (1335 - 10m) ... V31AB (1845 - 10m) ... 9J2KA (1120 - QSL: Box 350103, Chilanga, Zambia) ... 9K2JS (0620) ... SU1ER (1140 - 10m) ... YI1BGD (1025-1200 on 15m; 1330 on 10m) ... 5B4MD (2035) ... ZC4NC (1050 - 10m) ... UM9MWA/UL6T (0300 - QSL: POB 240, Frunze, 720055 USSR) ... A39SA (2235) ... FM5FA (0100 - QSL: AJ3H)

YANKEE DOODLING

SPECIAL EVENTS SEASON

Most of the fall contest will be behind us by the time that you read this . . . CQ WW, Sweepstakes, and the PA QSO Party among others. If you got involved in the contests in a "big way" I'm sure that you had a great time. Even getting in for an hour or two to give out a few points to the avid contesters can be a lot of fun. The hard-core contesters **need** lots of new stations to talk to; don't be afraid to show up late Sunday afternoon to give out contact #1.

With the big contests behind us and three months or more till the ARRL DX test and WPX, what is there to do on HF? Well, there are some real nice little contests, and a lot of special events stations to be chased. A few suggestions:

TEN-METERS has been really HOT lately, and this is a band available to all U.S. licensed amateurs, with both voice and CW privileges for everybody. Several DLARC members have been "working the world" from their cars with 25 watt SSB rigs; I talked with a fellow in New Orleans the other weekend--he was using the curtain rod in his mobile home for an antenna! The ARRL 10-meter contest is the weekend of 10-11 December, from 0000Z Sat., till 2400Z Sun. (That's 7 P.M. Fri. til 7 P.M. Sun. on your Mickey Mouse watch) W/Ve stations send signal report & **state**; DX send signal report & serial # starting w/001. Everybody works anybody in this one, but there is a bonus for Novice/Tech's worked on CW between 28.1 & 28.3.

On the other end of the HF spectrum is 160 Meters, and winter is a great time to work this band. The QRN is gone and with lawn maintenance at a minimum lots of folks are able to spread out lots of radials for vertical antennas. That contest is from 2200 UTC on 2 Dec till 1600 UTC on Dec 4th. W/Ve send signal report and ARRL section, DX sends only report. I understand that honest signal reports are sometimes given in this contest, not just the standard 59(9).

SOMETHING DIFFERENT for New Year's Eve is Straight Key Night. If riotous partying, and excessive drinking are something you avoid, torture your body another way. Get out the old STRAIGHT KEY and work somebody with it! This isn't a contest--you ragchew. (Send SKN### instead of RST###) If you care to, send a card to ARRL nominating the best fist heard/worked. Time is 7 P.M. EST 31 DEC TILL 7 P.M. ON JAN 1. Most activity can be found about 10KHz up from bottom of CW bands on 80, 40, and 20, or up 10KHz from the bottom of Novice CW sub-bands. (Try it, its a nice break from a steady diet of football Bowl games on the holiday.

IF YOU'D RATHER CHASE CERTIFICATES, December is the month for Special Events Christmas Stations. (In years past, DLARC operated W30K, either from Nazareth or Bethlehem.) This year you can hunt:

1. Bethlehem, CT, all month, all bands, W1FHP
2. Bethlehem, Ind, Dec 10 -11, W9WWI
3. Christmas, Fl, Dec 23-24, W1TRB
4. Albany, NY, Number One Christmas Carol (N1CC) and K2 Christmas Tree (K2CT) on 1.850 3.907, 7.238.
5. Pasadena, CA.(as in ROSE BOWL) Dec. 29 to Jan 2 on 7.260, 14.260, 21.335, and 28.450; KG6AX

. All of these stations issue a QSL or Certificate.

SPEAKING OF STATIONS, KU3X, KA3MND and KA3MTY (hope I didn't forget somebody) recently did some work on the Antenna and Kenwood Antenna Tuner at W30K. The 160 Meter traps have been installed, the antenna resonated on the higher bands, and the tuner is working again. I haven't had a chance to really "wring-out" the antenna but it sounds better and tunes a lot easier. Got a couple of "Big Signal" comments, too. Give the station a try and see what you think. THANKS TO EVERYBODY WHO HELPED!

THE DLARC ANNUAL FUND RAISER is coming. Like last year, the first prize is a VCR, and that makes tickets easy to sell. Nearly everybody watches TV and wants a/another VCR. There will be second (cordless phone) and third (walkman) prizes, too. The fund raiser is real important to DLARC 'cause thats how we bought the repeater, control system and HF station. Your dues just pay for the newsletter and club operating expenses. A few tickets will be sent to every member of the club. If you can, please sell them. If you need more, JUST ASK! If you can't sell (or buy) the tickets, please return them as soon as possible so that someone else can use them. The drawing will be held at the ~~JANUARY 5th~~ MEETING. FEB. 2

ARRL IS ATTEMPTING TO RAISE $450,000 to upgrade the W1AW station and building. If successful, the station will be a "state of the art" facility with communications crisis center, better facilities for sending Code Practice and Bulletins, and will be a super Forum for Amateur Radio Public Relations. I know the W1AW code practice is the reason that I was able to earn an amateur license and upgrade to Extra. I'll bet that most of us have used W1AW code practice--either to develop our own proficiency or to teach CW. As long as there is a CW requirement for US amateur licenses, we'll need a code practice station like W1AW. For the future good of Amateur Radio, and to say thanks for what we've received (literally), let's all put the **W1AW Renovation Fund** on our personal Holiday Gift list this year! The address is: 225 Main St., Newington, CT 06111.

HAPPY HANUKKAH, MERRY CHRISTMAS, & HAPPY NEW YEAR de **K 3 Yule Decorations.**

All Amateur Radio Operators are invited to participate in the DLARC Nets on 146.70 W3OK/rpt.
The Nets are held on Sundays at 9:30 AM and on Wednesdays at 7:00 PM.
The alternate repeater for these Nets is 145.11 W3PYF/rpt.

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The DLARC NEWS is the Official Publication of the Delaware-Lehigh Amateur Radio Club Inc.

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1989

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CLUB MEETING NIGHT

All regular meetings of the D.L.A.R.C. are held on the first Thursday of each month at 7:30 PM in the Greystone Building at Gracedale.
Phone....759-2600

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Any comments or articles contributed to this newsletter should be addressed to
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THE DELAWARE-LEHIGH AMATEUR RADIO CLUB, INC.

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