THE DELAWARE-LEHIGH AMATEUR RADIO CLUB, INC.

NEWS

RD #4
GREYSTONE BUILDING
NAZARETH, PA
18064

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** SEPT 1988 **
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NEW LOOK TO THIS MONTHS NEWSLETTER

PERHAPS AN EXPLANATION IS NOT NECESSARY, HOWEVER I JUST WANT EVERYONE TO REALIZE THE IMPORTANCE OF A FEW. OUR FINE EDITOR W3PYF WAS NOT ABLE TO "EDIT" THIS MONTHS NEWSLETTER, AND SINCE WE DO NOT HAVE AN ASSISTANT, ALL OF THE WRITERS HAD TO PITCH IN, GRIN AND BEAR IT!

FORTUNATLY CLARENCE WILL BE BACK IN THE EDITORS CHAIR NEXT MONTH AND ALL OF THE GOODIES THAT WE ARE USED TO SEEING WILL AGAIN FILL OUR PAGES!!

YOU SEE, OUR EDITOR IS WORKING ALL MONTH GATHERING THIS STUFF, FROM THE PACKET BOARDS, COMPUSERVE, YOU NAME IT! THIS ACTIVITY TAKES LOTS OF TIME AND EFFORT. THIS IS PROBABLY A GOOD TIME TO REMIND YOU THAT ITS YOUR NEWSLETTER..SO PLEASE DO NOT HESITATE TO JOT DOWN AN ARTICLE OF ANY SIZE AND SUBMIT SAME FOR PRINT.

SO I GUESS THE NEW LOOK TO THIS MONTHS LETTER IS ITS SIZE...MUCH SMALLER YOU WILL NOTICE..

PLEASE FORGIVE US...

HEY!!...THE ELECTIONS ARE COMING, AND I UNDERSTAND ON GOOD AUTHORITY THAT WE WILL ACTUALLY HAVE AN ELECTION..THAT IS, TWO OR MORE RUNNING FOR SOME OFFICES..WOW!! WONT THAT BE SOMETHING...MUCH BETTER THAN BUSH AND QUAYLE WHO SHOULD BE RUNNING FOR OFFICE IN A ROD AND GUN CLUB!!!

DE KU3K

SEPTEMBER PROGRAM - PART 1

The Anatomy
of An Audio Amplifier
Presentation for W3OK
by Joel, K9TBD

The September 1988 meeting of the DLARC has as a speaker, Joel, K9TBD who will talk about amplifiers. This discussion will start with audio and mention some considerations for RF work, but the main emphasis is on the design considerations for class "B" amplifiers, audio to RF.

The design discussed is a modern one which has no transformers. It is short and open circuit protected. you cannot fail the circuit short of letting it get hit by lightning.

Do you need an audio amplifier for your riding mower? How about a little more oomph for your station speaker? Is your old Hi-Fi a little weak (or a little fuzzy)? Do you need something to jack up your levels so you can read the levels with your DVM?

This presentation is from a practical point of view covering topics from Pre-amplifiers, input stages of Op-Amps, Reference Tables, Current and Voltage Sources, Buffer Stages, Class B Amp Pairs, Class - B migration (simple to fully protected systems),Things to think about, and finally(!) a Design Example.

See you at the September meeting! Looking forward to your comments!

73's Joel, K9TBD.....

SEPTEMBER PROGRAM - PART 2

ANTENNAS
by Ray, W3TDF

This presentation will be geared to design and construction of makeshift or make - do antennas, without benefit of an engineering degree. Real hands - on practical information for the do - it - yourself ham.

73's Ray, W3TDF.....

1988 - PA QSO PARTY
Thoughts on Prospects & Past

The 'Pennsy Party' this year will be Oct.8-9. Times are the same, but let me remind everyone, this is a gentlemens (gentleladies) contest in that it does not go all night. Hours are - Sat. 11AM to Mdt. & Sun. 8AM to 5PM local time. Complete rules & logs & dupe sheets will be available at Oct. 6th meeting.

Last year our club had 25 entries, for a total of 524,130 points, and we placed 9th in club agregate. Now if we can get another 100 members active for just 5 or 6 hours, (making about 150 Q's and 50 or so mults), we could move up to 2nd or 3rdplace! Can you get on for 6 hours, (or maybe just a little more)? Wouldn't it be fun just getting on to help the other members a little?

I suggest we choose our own freqs and times just to work each other. But remember, you should spend several hours on the contest freqs just to build up the mults. My proposed are: SSB-3870/7220, cw-3610/7110 and times 8am to 1pm Sun.

Did you ever think you would like to go on a DX-pedition? How about taking top honors in a rare county?? My score last year: 614 Q's, 96 mult for 65,856 pts. Not particularly impressive, but, if you could make 500 Q's & 80 mults., or about 40,000 pts you could take top honors in no less than 36 counties. In fact the record is less than 40K for 15 counties.

If you cannot make it to the Oct. meeting to pick up logs etc., send a SASE with 50¢ on it to Doug Maddox, W3HDH, 1187 S.Garner St., State College,PA 16801.

Too late for this year, but something to think about for next year, Cambria Co. has a state park with housekeeping cottages, 110AC, etc. Fri-Mon rentals, but by lottery for them, Applications in before Jul. 15 each year!!

Some other unusual stuff from last year:- Schuylkill Co. only had one entry (21 Q's = 794 pts), Phila. Co. only 3 entries with high 19,764 pts. Wayne Co. 2 entries = 21,793 pts. for the top entry. The record for Indiana Co., set in 1975, 16,086 pts!!! All9 entries for Jefferson Co. are mobiles, W3HDH/Mobile, operated from 25 different counties, taking top honors in Fulton, and made 797 Q's, all except one on CW. Dauberville DX Assoc. with only 33 members, had 17 entries, for 52% participation; just imagine what we could do with 240 members and that kind of participation!!! New Novice Technician rule provides an additional multiplier to final score of X3, but all operation must be in Novice freqs only!

Some tips to make operation more comfortable:- Have a county abbreviation chart and contest freq. charts posted in front of your operating position, If running less than 100 watts stay at least 5khz away from suggested contest freqs., Study and become completely comfortable with your dupe sheet, remember - you lose 100 points for each dupe that you don't catch and cross out; this can be done later of course.

What is W3TDF going to be doing this year? Well, I'll be in Bradford Co., using only one antenna, (instead of separate dipoles for each band) as last year. I'll be using generator to supply power, even though there is no extra credit. My nearest commercial mains are over a mile away. Next year I'll be in Cambria, Carbon, Indiana, Fulton or Union County. See how I'm planning ahead already!! The antenna for this year is a three band dipole for 160/80/40, which loads upnicely on 20, 15 and 10. I'll be giving some info on it at this (Sept) meeting.

Last year we had at least 2 members whose logs didn't get counted, one of which had a very tidy score. The logs must be in before deadline, usually Nov. 15, with 50¢ for printing and postage. I send a dollar bill, easier than 2 quarters taped to cardboard! If you want to bring to Nov. meeting we will get them in for you.

More on the contest at meetings in Sept. & Oct. Best wishes and good luck.

de Ray, W3TDF

D.L.A.R.C. GOLF OUTING

For all interested hams - - no pro's please!!! Just a fun outing with no big prize money. It will be held on Sunday, September 18 at the Green Pond Golf Course just off William Penn Highway between Bethlehem and Easton. Tee - off time is at 8:00 A.M.. We need to know how many are going to come out as we have to get enough starting times reserved. Call me at 346 - 7313 or let me know at the meeting!!

73,s Ray W3TDF.....

LOST AT FIELD DAY

Ray, W3TDF is still looking for a black fine - lead mechanical pencil.

Bob, W2CCE is still missing an ICOM microphone.

PLEASE CHECK YOUR FIELD DAY JUNKBOX FOR THESE ITEMS!

FOR SALE

Kenwood TS - 520, DG - 5 Digital display, MC - 50 Mike, SP - 520 Speaker
$400
Joe, K3VKD 439 - 8386

FOR SALE

ICOM IC - 2AT, DC - 1 Adapter
Asking $100
Bill, NC3P 865 - 6234

FOR SALE

Apple Imagewriter II Dot - Matrix Printer
Norm, K3NZ 799 - 4044

YANKEE DOODLING

HAMFESTS

While the hamfest season is drawing to a close, some of the best are still on the schedule. A few of the better one's within a reasonable drive include:

SEPTEMBER 11th--GAITHERSBERG, MD., at the Montgomery County Fairgrounds (just off I-270 on MD Route 355.) Gates open at 7 A.M., talk-in on 146.52/146.64 rpt.

OCTOBER 2d WARRINGTON, PA. Warrington Drive-In, Route 611. Talk-in? Usually opens about 7:30 A.M. Always a great one, and not in conflict with the Pa QSO party this year.

ELECTION TIME

The DLARC is run by a small, select group of people--the 50 or so members who actually nominate and elect the officers and directors of the club for the next year. Wanna join this select group? All you have to do is show up at the next couple of meetings to nominate some good members in September, and again in October to vote for the candidates of your choice. A nominating committee is hard at work right now making sure that there is at least one candidate for each office. That doesn't mean selecting the officers/directors, it just means that all vacant positions will have at least one candidate. You can talk to any member of the nominating committee (K3ANS, KU3X, or KA3MND) to suggest someone or volunteer yourself. You can also make a nomination for any office from the floor during the September meeting. Then, in October, we'll vote! This is your best chance to help make this club what you want it to be for the next year.

PA QSO PARTY

You'll hear more about this from W3TDF in this newsletter and for the next several meetings, but, please, GIVE A LITTLE FOR YOUR RADIO CLUB. This is one of the club's major activities each fall. The date is October 8 & 9. If you have any HF capability at home, you don't have to leave your house; just get on the air for a few hours. No HF gear? Try 146.52 simplex, or go up to the W3OK station, or just help a fellow club member in a multi-operator effort. If 50% of this club operated and each station had 100 QSO's we'd have a score which would beat every other club in the state--by a couple of million points. Sounds good to me!

SICK ROTOR?

Have an old rotor around the shack that you haven't gotten around to fixing 'cause you need a service manual or parts and don't know where to get them? Maybe your neighbor, you know, the guy who was real active in CB, has offered you his old HAM-M with the caveat "I'm not sure that it works anymore." Here's a solution to your problem. C.A.T.S Rotor Repair Service & Parts has a good inventory of "new old" and direct replacement parts for rotors, offers a rebuilding/reconditioning service, and even sells re-built rotors. He services Alliance, Channel Master(TV-type), and CDE/HYGAIN. He charges $35 + parts to rebuild. Example reconditioned prices: HD-73 $75, Ham IV $200. Address is 7368 S.R. 105, PEMBERVILLE, OHIO 43450

A REALLY NEAT CATALOG

Is offered by EGE, 14803 Build America Blvd., Woodbridge, VA. 22191. What makes it different? Each major equipment listing (i.e. HT's, HF X-ceivers, antenna) is listed in a grid for easy comparison of features. There are lots of subjective features that are important in a rig, too, but at least the major technical features are all compiled in a single document. These charts remind me of the antenna comparison I did a few months ago. They represent a LOT of work and the catalog is worth having for that reason alone.

FOLLOW-UP

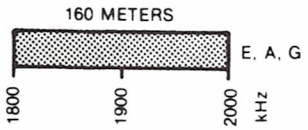
I've been getting quite a few foreign stamps in the last couple of months for the Boy Scout Troop that was mentioned a couple of newsletters ago. They say that they can use more! How do they use them? They relate the stamps to the location of the country for a world geography project. Maybe the next generation will be able to locate France, Germany and the U.S. on a world map! DX'ers of DLARC, keep those stamps coming!

A few of you have called with some good clues about house sales near large antenna arrays. Thanks! Over the next few months, some data will be collected and analyzed to see if we can prove that a nearby amateur antenna doesn't destroy neighborhood property values.

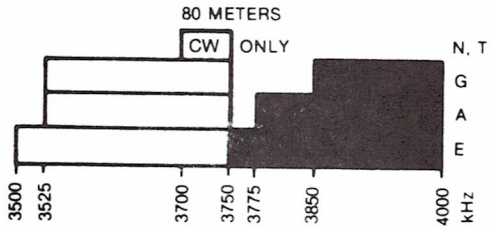
See you at the September meeting.

73 de K3YD

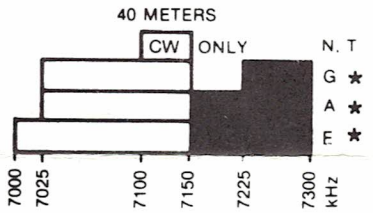
US Amateur Frequency and Mode Allocations



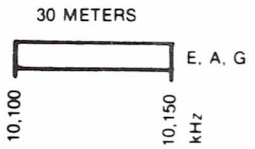
Amateur stations operating at 1900-2000 kHz must not cause harmful interference to the radiolocation service and are afforded no protection from radiolocation operations; see January 1986 Happenings for details.



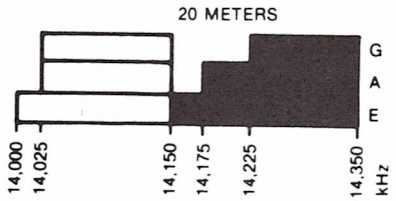
5167.5 kHz Alaska emergency use only. (SSB only)

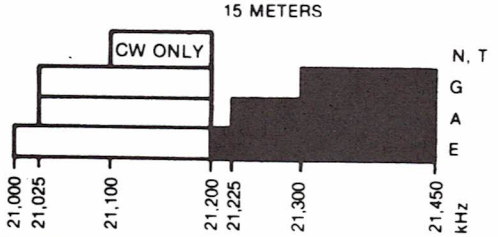


* Phone operation is allowed on 7075-7100 kHz in Puerto Rico, US Virgin Islands and areas of the Caribbean south of 20 degrees north latitude; and in Hawaii and areas near ITU Region 3, including Alaska.

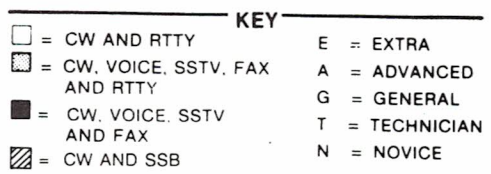


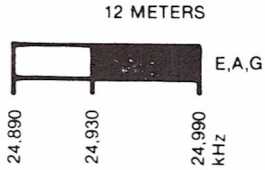
Maximum power limit on 30 meters is 200 watts PEP output. Amateurs must avoid interference to the fixed service outside the US.





Consult *The ARRL Repeater Directory* for information on recommended operating frequencies and band plans for the bands above 50 MHz.





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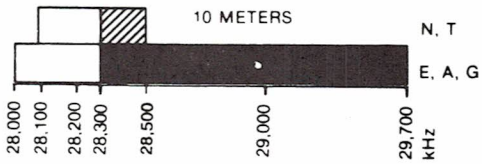
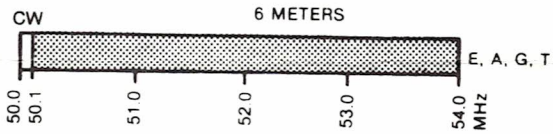
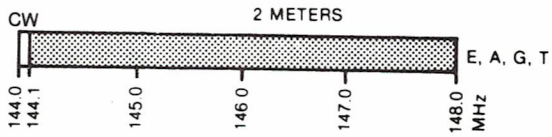
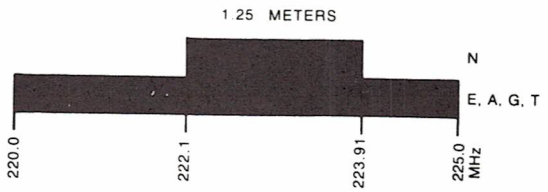


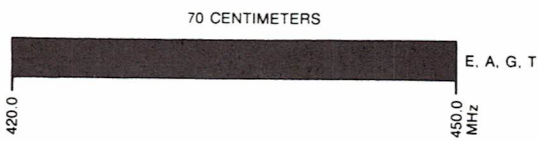
Novices and Technicians are limited to 200 watts on 10 meters.

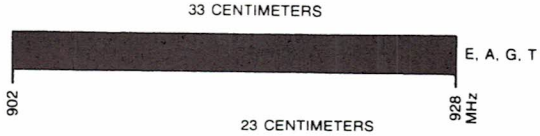


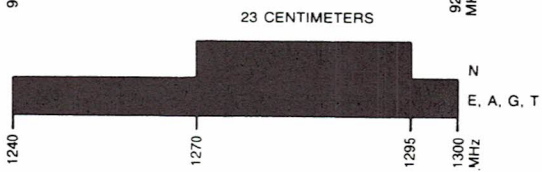




Novices are limited to 25 watts PEP on 222.1 to 223.91 MHz







Novices are limited to 5 watts PEP on 1270 to 1295 MHz.

8FSD122 4/87

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COLOMBIA - Celebrating the 450th Anniversary of the City of Bogota, Special Event station 5K3B will be on all bands daily thru 31 August with cw and ssb. QSL to LCRA c/o HK3NTI, P.O. Box 584, Bogota, Colombia, So. America.

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GEORGIA - Now to 31 August. RB4JWS/UF1O emphasizes cw in the lower 40 KHz of 10, 15 and 20 meters. This QTH is in the very rare So. Ossetian Oblast 015. QSL via Box 88, Moscow or directly to RB4JWS, Box 37, Alushta 334270, Ukraine, U.S.S.R.

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IRAQ - YI1BGD, although frequently active on other than fixed schedules, has announced regular Thursday operations near 14,180 KHz from 2300 to 0300 UTC. Each op has his own P.O. Box, so listen for the QSL route.

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KALININGRAD - UZ2FXD is invariably near 10,117 KHz from 0200 to 0300 UTC. (This is presumably the only 10 MHz activity in Kaliningrad. QSL via Box 88, Moscow.

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KOLGUEV I. - UA1PAS, usually near 14,130 KHz throughout each day, is not on Franz Josef Land. This Island is in the Barents Sea (Obl. 114). QSL via UZ1OWA.

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MALDIVES - 8Q7MT likes 14,016 KHz QSX up, from 2330 UTC. QSL via JI1DBQ.

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MAURITANIA - 5T5DX on 14,200 KHz from 1030 UTC. QSL Hans via W4JVU.

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"NORTH POLE - 30" - 4KØF is the new drifting Polar station just activated in the Arctic Ocean for a 1-year scientific expedition. They promise cw and ssb on 10-160. QSL via UAØQBO after February '89.

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N. YEMEN - From about 20 Aug. The Lynx DX Group has announced receipt of all of its Passports and Visas and is prepared to air 4WØEA. The number of operators had not been finalized at presstime but they plan to be on all bands with cw and ssb, emphasizing 15 and 20m. QSL via EA5CTP. ... Several sources now say 4WØCRC is legit! ?

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ST. PAUL I. - 12-19 Aug. If not signing CY9SPI, the team of VE1AL, VE1AWG, VE1BHR, VE1XT and W5KNE will probably sign VE1DXX/CY9 and W5KNE/CY9, 10-160, QSX up from the following planned TX frequencies: cw - 1801 and 1827 KHz plus 1 and 20 KHz up from the low ends of 10-80; ssb near 3795, 7065-85, 7170, 14,145, 14,195, 21,245, 21,295 and 28,545 KHz. QSL VE1DXX/CY9 via the '88 CBA of VE1AL & W5KNE/CY9 via W5KNE.

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SAN MARINO - T77T on 14,240-245 KHz from 0200 UTC. QSL Pier to his '88 CBA.

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SOLOMON IS. - H44MB is nearly always in the 14,165-185 KHz area from about 1000 UTC. (Try Long-Path for a possibly-improved signal path). QSL Mike to his '88 CBA.

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SOMALIA - T5GG has been switching between 14,024 and 21,024 KHz QSX up a few KHz from about 1600 to 0230 UTC daily. QSL via I2MQP.

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SO. ORKNEY IS. - VP8BRT finds a clear spot between 21,150 and 21,250 KHz and shares the frequency with VP8BQE in Antarctica from 1800 to 2000 UTC.

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UZBEK - Now to 25 Aug. UW3WU/UI8L with cw and ssb on 10-40 in Bukhara (Obl - 048) QSL via Box 88, Moscow or via UA3W c/o DOSAAF QSL Bureau, Sumskaya St. Nr. 5, Kursk - 305007, U.S.S.R.

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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1988

CLUB OFFICERS

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Vice President - Rivo Bartolocci.W2SPK..454-5028
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****

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Clarence Snyder.....W3PYF..252-2109
Ray Bilger.....W3TDF..346-7313
Blair Bates.....K3YD...865-0687

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NEWS STAFF

Editor - Clarence Snyder.....W3PYF..252-2109
DX Column - Norm Zoltack.....K3NZ...799-4044
Circulation - Dick Peischl.....KC3CR..759-0294
Digital Editor - Joel Elston.....K9TBD..252-1515
Mailing List - Robert Mulrooney..KB3RI..759-2674
Printer - Norm Zoltack.....K3NZ...799-4044

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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
CLARENCE SNYDER W3PYF
717 PORTER STREET
EASTON, PA 18042-1548

THE DELAWARE-LEHIGH AMATEUR RADIO CLUB, INC.

NEWS

RD #4
GREYSTONE BUILDING
NAZARETH, PA
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01/01/89

SEP 88

Raymond Bilger W3TDF
R.D.# 1 Box 178 State Road
Coopersburg Pa. 18036