THE DELAWARE-LEHIGH AMATEUR RADIO CLUB, INC.

NEWS

RD #4
GREYSTONE BUILDING
NAZARETH, PA
18064

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* MAY 1988 *
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MAY 5=====MAY 5====MAY 5====MAY 5====MAY 5=====MAY 5====MAY 5====MAY 5=====MAY 5=====MAY 5

K3LZ TO SPEAK ON RECEIVER SYSTEMS AND SENSITIVITIES

DLARC ANNUAL BANQUET
FRIDAY - MAY 20, 1988

Club banquet chairman, Ray, W3TDF announces the annual banquet for the Delaware-Lehigh Amateur Radio Club will be held on May 20th at the Candlelight Inn, 4431 Easton Avenue, Bethlehem beginning with a cash bar at 6pm.

The dinner which will begin at 7:00 pm will be a super one with three entrees available,

1. Eye Round Roast
2. Broiled Haddock
3. Stuffed Chicken Breast

The dinner which will be preceded with a special Fruit Cup made by Ray's XYL Gloria containing no sugar. Just plain good fresh fruit. A tossed salad, baked potato, and vegetables served family style of Baby Peas & Onions and Broccoli with Cheese Sauce. This will be topped off with pie a la mode, either Apple or Cherry. (All Calories removed)

The speaker will be a surprise, one who will entertain all, amateur and friends alike.

Send your check for $15.00 per person payable to DLARC to Ray Bilger, W3TDF, RD#1, Box 178 State Road, Coopersburg, PA 18036. On your check mark your entree choice.

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Don't forget the trip to the AT&T Satellite Station on June 4. All meet in Belfast and Carpool to the Hawley location.

LARRY, K3LZ TO SPEAK AT MEETING
THURSDAY - MAY 5, 1988

K3LZ, Larry Zuckerman, who operates the 443.70 repeater on Gaffney hill, and a member of the Delaware Lehigh Amateur Radio Club will be the speaker at the meeting on March 5. His talk will be on "How to better judge receiver sensitivity". His talk will involve not only the built in sensitivity of the electronics of the receiver but also the feed line effects and the threshold sensitivity.

This is a continuation of Chairman Bill Goodman's program committee's attempt to make all of us more knowledgeable in the technical side of radio.

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THE 1ST RULE OF INTELLIGENT TINKERING
reprinted from American Flyer Magazine

1. After a rig is assembled, parts will be left on the bench.
2. A twenty-dollar power transistor will protect a fifty-cent fuse by blowing first.
3. Sooner or later, you will ground the B+.
4. You will ground an RF supply too. You won't notice it until you power up and touch the chassis.
5. The tube substitution handbook is never wrong. It's supposed to be bright cherry red.
6. Someone will use the same type of connector for power and signal. You know what will happen.

MNY TALKS
by Roy Buss, KA3MNY
Secretary

The April 3rd meeting of the DLARC began with a two month treasurers report which was approved as read.

The second action was the presentation of applications for 6 new members. They include, Tim Turco KF5WB; doug Stack, N2ZJ; Mark Cowan N3FNH; George Isleib W3CPR; Dave Porter, W3BPP; and Wayne Kline KY3N. They were approved for membership and welcomed to the club.

President KU3K then informed the membership that at the Board Meeting, the decision was made that in the next year, beginning in 1989, dues will have to be increased some, the amount to be determined later. Any comments on this should be given to the president, in writing. The increase in postage and printing as well as the cost up an upgrade to the repeater make the increase necessary.

A review of the membership plan to help any member, with a work party needed, to notify him and help will be requested in this newsletter.

A sample of the new club badges was passed around and all members will within the next few months receive one at no cost, however, if any are lost they will cost $1.50 to replace. Members will be expected to wear them to meetings and other public gatherings.

Blair, K3YD then reported on his activities with regard to PRB1. The ruling which deals with antenna heights. Municipalities not properly informed on this ruling are now making rulings regarding antenna heights of amateur antennas. Blair is working with these communities in order to educate them on the FCC and Federal rulings.

Ray, W3TDF reported on the progress of the banquet plans. He asked that all who send their checks to him, write on the check the meal choices. The speaker, a good one, will be a surprise.

The clubs letter to the coordinating committees in charge of this area as well as the Delaware area, regarding the move of the Wilmington area repeater on 70, received a favorable reply. No increase of power or height is planned for this repeater.

An announcement for the board of directors to the club indicated that the law suit against the DLARC resulted in a decision in our favor. Unless it is appealed to a full court before a jury, the case is considered closed.

A motion was made and seconded and voted top again sponsor the placque for the PA QSO party and the treasurer was asked to forward the check for it.

A report on our repeater, indicated that plans were going ahead to update the software to include a larger vocabulary. The yearly reminder to the membership with regard to the autopatch, recommended that it not be used needlessly.

A request was made by the president for help in Northampton Community College's Spring Expo. Members last year furnished communications and we again were asked for the same cooperation.

The Rochester Hamfest was announced, and Bill, K3ANS reminded the club that he was going to Dayton with his camper. He invited anyone who wishes to go along to share expenses.

Several guests attended the meeting including N3DFB, Dave WanAllen, who promises to become an amateur and a member of the Lehigh Wheelmen.

Program Chairman, K3ANS announced that the May meeting would feature, K3LZ who will be speaking on linked repeaters. In addition, a field trip to Hawley on June 4 will feature a trip to the AT&T installation at Hawley will be held. Members will meet at Belfast exit of Route 33 and go as a group to the installation. Tour guide will be new member, K2BPP, Dave Porter.

The meeting was adjourned and turned over to Bruce Goodman, who spoke on the new system of communications on the Sub-Carriers of commercial FM stations.

de KA3MNY

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WANTED!

Used Icom IC-4AT HT in working condition at a reasonable price. Contact Jim, N3EYJ at 215 253-7086.

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Kratz's Law: Remember If it looks too good to be true, it is!

THE PREZ SEZ
by Bob KU3K

Hibernation is over! Summer is here! With the summer months the DLARC is a bit more active than during the colder weather. Its the time that all members should think about getting involved in some activity and "meeting for an eyeball" some of those members that you have only heard on the air! The activity for the season includes Field Day and the communications help we give the Red Cross during the "Derriere in the Delaware" tube float in Easton. We also have the annual banquet and picnic for those with an appetite! WE are also trying to get together work parties for antenna or shack projects and hope this can be developed into an ongoing thing. Volunteers are the key, of course, and without them, everything folds up and blows away!

The board of directors have decided to spend the money necessary to upgrade the repeater software..this will enable a few more control functions and additional vocabulary for the "speech maker!" I'm not sure this club should sponsor a repeater anymore since I have personally heard folks get a "hangup" when trying to make an autopatch, carriers on top of carriers and general baby play. I guess that since this thing is really and expensive toy we've got to expect it..but sometime someone will try to make an emergency patch or call for help when life and death is in the balance. I hope the baby will be on the potty at that moment!!!

See you at the banquet or Field Day or Both. de KU3K

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FOR SALE

Heath HW16, 80,40,15 meter CW transceiver. Great for the new novice. Heath VFO HT10 with matching speaker and all manuals. Contact WB3FXG at 691-6027. Asking $75.00, but negotiable.

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NEWS LETTER DEADLINE IS THE 15TH OF THE MONTH PRECEDING THE MEETING..GET ME YOUR FOR-SALE ITEMS OR ARTICLES BY THEN..
THANKS..W3PYF

THEY AND ME
(reprinted from QST July 1963)

Ever hear a member say -- "THEY ought to run our club this way!
Ever wonder who are THEY, who get the brunt the live long day?
THEY are the ones some call a clique, who plan the work so thing will tick.
THEY fix the lights, sweep the floor;THEY handle ever needed chore.
THEY line up speakers, pictures too, and the people who will work for you.
THEY do the leg work, write the mail, provide a program without fail.
Directors meetings THEY attend, committee meetings without end.
On evenings THEY could spend at home, on your club's repeater they must work.
THEY take new members into hand; THEY run instructions sessions and....
THEY must manage all the works other members prefer to shirk.
Some pay their dues and think they may stand and smirk.
THEY pay the same dues, it's true, but gain no more than YOU and YOU.
Is paying dues your duty's end, or can a helping hand you lend?
As true as "God can make a tree," YOU ought to change the THEY to we.

--SCARA News, WA2OZQ, editor

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FOR SALE

Heath H-9 Video Terminal (May even work)
Kantronics RTTY/CW TU interface with Atari Software.
Kenwood 2 mtr Txcver TR-7200A with local xtals.
Xerox 820 Computer with 2 - 8" drives & monitor w/ keyboard. R\S
Color computer W/Software for RTTY and Flesher TU-170.
Hallicrafters S38-B Receiver
R/S Model 100 portable computer w/internal modem and some software.
Quazon 300 Baud Phone Modem/Keyboard.

Contact Bob, WB3DTG at 215 837-9071

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With no Digital Column this month, I am reprinting a story I found on Compuserve on the SunSpot Cycles and its effects. <W3PYF> editor.

EXPERTS DISCUSS THE SUNSPOT CYCLE

LOS ANGELES (AP) Scientists say they found the earliest and most detailed signs of solar jet streams that will produce sunspots by about 1997, bolstering a theory that upsets traditional notions about the sunspot cycle.

"We're seeing the very earliest stage of the next sunspot cycle, not the one that is producing sunspots now, but that one that will produce them when this cycle is over," said astronomer Roger Ulrich of the University of California, Los Angeles.

Ulrich and his colleagues were able to "see the jet streams at higher latitudes (on the sun) and earlier than we were ever able to before," said astrophysicist Herschel Snodgrass of Lewis and Clark College in Portland Ore.

Snodgrass said understanding the sunspot cycle is important because the spots and related explosions called solar flares disrupt radar and radio and other communications on Earth and, in extreme cases, are believed to help spur ice ages and major droughts.

Ulrich said solar flares make Earth's outer atmosphere expand, so learning more about sunspots is important in deciding when to launch satellites, since atmospheric expansion produces orbit-altering drag on spacecraft.

Snodgrass said Ulrich's observation of the jet streams, which are east-west currents of gas parallel to the sun's equator, supports a theory developed independently by Snodgass, Air Force astrophysicist Richard Altrock and California Institute of Technology astronomer Peter Wilson.

Last year, they proposed that the 11-year sunspot cycle during which the number of sunspots reached a maximum, then a minimum and then another maximum is merely part of a previously unknown 18 to 22 year cycle that produces visible sunspots only during its last 11 years.

The theory says that during the earliest stages of this longer cycle, jet-stream-like gas currents appear near the sun's poles like smoke rings, which then "grow in size and roll down the outside of the sun toward the equator," Altrock said.

Only when the jet streams reach a solar latitude of 30 or 35 degrees about equivalent to Southern California do they produce sunspots, Ulrich said by telephone from Tuscon, Ariz., where he planned to present his findings at a solar physics meeting.

He said he detected the jet streams at a latitude of 70 degrees on the sun, equivalent to northernmost Alaska.

"These jet streams eventually will migrate into the region where sunspots form, probably about 1997," Ulrich said.

"But the current batch of sunspots "is rising much faster than any other we've seen," he added. "There is evidence to suggest it's going to be unusually strong and perhaps the maximum will be reached earlier than usual, in 1989 or 1990," with the minimum following in 1995 or 1996."

Sunspots are relatively cool spots, 1,200 to 60,000 miles across, that each appear for three to seven weeks where the solar magnetic field is about 1,000 time stronger than in other locations. Up to 30 appear at one time.

Ulrich and his colleagues were able to see the solar jet streams closer to the sun's poles in more detail than ever before by measuring the speed of gases on the sun's surface 20 times daily using the 150-foot-tall solar observatory and 75-foot-deep spectrograph on Mount Wilson, in the San Gabriel Mountains northeast of Los Angeles.

Sunlight passes through a lens near the top of the observatory tower, The lens focuses an image of the sun on a hole that lets the light enter the spectrograph.

The spectrograph breaks the sunlight into a rainbow of component colors. That allows the scientists to measure the speed of solar gases and detect jet streams.

"It's the same way a radar gun on the highway measurers the velocity of a car", Ulrich said. The jet streams may help scientists understand why the number of sunspots varies, Ulrich said.

FROM THE OLD MAN
by Clarence W3PYF

The VE testing of the DLARC continues to go at full speed. A look at the upgrades to both members of our club and others is I am sure a great satisfaction to Don, KC3II and his great team of VE's. I think all of us should be thanking these dedicated teams of test teams.

After looking over the reports from Northamptn County EMA for the past months, Amy, KA3IJL still is taking the award. I count at least 5 calls to *1 by her. Everything from trucks running into houses to disabled vehicles and tires on the roadway. In all for February and March, the latest available shows 27 calls that county has received from amateurs in our group. In some cases they have not recorded the calls correctly, but, they sure have recorded the nature of the calls and made the necessary requests of the officials envolved. One call even was with regard to a horse on the highway, "loose". Never know do you?

As I write this column, Bill, K3ANS just reported a field fire, that was within site of his home, and apparently, it was the first indication of problems. Blue Mountain and County quickly dispatched units to the scene.

Apparently, some do read the stuff in this column. On the request for information on the antenna farm along Route 78 near Bethel, PA, I had at least 5 calls from members, mostly with the same information. The antenna is used by the Assemblies of Yawah, a church group, for short wave broadcasts on approximately 6 and 10 MHz. One frequency given by K3CQY, Joe was 9445 with the call letters, WMLD.

When I made up the directory that was included in last months newsletter, I forgot to enter the Autodial number for Ray, W3TDF, if your are interested it is 107. One more thing, our thanks to Harry, W3TEB for printing the tickets for the club banquet. I hope that all who read this will be making a reservation. Details on page 1 of this issue.

Bill, NC3P is making plans for the raising of his new tower and antenna. Look out DX!. Bill, W3RYE joins Bill, K3ANS with the new look in the ARRL "We the People" certificate, and Barry, KU3X informs me that K3OO is number 3 in the DLARC Century Club.

I appologize to anyone I may have missed in the last directory issue, I will try to keep my data base up to date in the future.

The gang are getting ready for the PA QSO party, to be held on October 8 and 9, lets get our club higher on the list this year. Even I will try harder. With Field Day plans already in the works, Prez Bob KU3K and Kenny, KA3EED will chair the event but much help will be needed. This is one of the big things of the year, we need your help and that of your friends with licenses. Lets make this the biggest ever.

Turnout for the Flemington Ham Fest and it is one of the best I have attended. It looked as though at least 40 of our members were there. I'm not going to try to say who, last time I missed at least 5 people, and I don't need the abuse of missing anyone.

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APRIL VE TEST REPORTS

The April testing was held at the Northampton County EMA Headquarters with 9 candidates.

According to VE chairman Don, KC3II, there were 6 upgrades and 2 credits given. Of the upgrades, only one was a club member, Steve, KC3WX made Extra.

The next session will be held on May 6th with VE Team 1 in charge.

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FOR SALE

For those who have Icom Handi talkies and want a ICOM 3AT (220) hand held, with standard Rubber duck, Larson Cool Duck and AEA Hot Rod, case and charger, but <u>NO</u> Battery. Contact Rick, K3WPI at 717 629-3840. Asking $225.00.

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QUESTION:

Is a slide rule an analog computer?

SATELLITE PRIMER # 2
by John, WB3ELA

In the first of this series I gave you a couple of examples of things you can do to enjoy the satellites without spending money, but I didn't mention one that is really impressive. When MIR (the Russian space station) is over the horizon, you can frequently hear the cosmonauts talking to their ground station. While I don't speak Russian, It's still a kick to hear them and another way to impress the "civilians". O K, I promised to tell you what all those numbers in the "SATSKED.DAT" file mean. This is what the first few lines of the file look like:

SCHEDULE FOR SATELLITE oscar-10

DATE	AOS	MAX	LOS
16NOV87	043101	092321	145658
17NOV87	034248	084217	141510
18NOV87	025606	080114	133236

FROM EPOCH 15NOV 210656

EPOCH	DX/EL	AZ	ORBIT
16NOV87	14717	270	3329
17NOV87	13910	263	3331
18NOV87	13070	256	3333

This is the schedule for OSCAR-10. The "epoch" is the starting date and time for the computations. All times are Zulu or UTC. You must remember that the math was done using the Latitude, Longitude, and Height above Sea Level for the QTH of the Bulletin Board station (right now, my home). This may mean a slight difference in the times for your actual location; but probably not enough to matter. For the record, my station is located at Latitude 39.9752 deg Longitude 75.3501 deg and it is 101.8 meters above sea level. You can figure if there is much difference to your location.

AOS means "Acquisition Of Signal"
LOS means "Loss Of Signal"
MAX is the time that the satellite is at its highest point in the sky.
DX/EL gives you just that, distance or elevation. you can tell which by the size of the number.
AZ is the direction from the BBS location that the satellite is located at the MAX time (essentially the same for you).

You will notice that some satellites are overhead much longer that others. this is because of the type of orbit they are in. Next time I'll give you some frequencies to listen to, and we'll discuss the different types of orbits. 73, John WB3ELA

Editors note: The reports are now available on the KB3UD Packet BBS and will probably be forwarded to WB3DTG as well.

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FOR SALE

Knight KN2510 voice compressor....$20.00
Heath HD-11 Q-Multiplier..... 10.00
Trans-Pro TM-CW Monitor..... 1.00
Micronta Transist sig tracer..... 5.00
RCA Volt-Ohmyst WV-77E..... 15.00
MFJ 752 Audio Filter/115v ps..... 20.00
Heath Station Control SB630
Phone Patch/SWR/24hr clock/timer. 35.00
Heath Signal Monitor SB610..... 65.00
Johnson Phone Patch..... 20.00
Lafayette Mic/ with mic boom..... 10.00

All in good to very good condition with manuals.

Custom operating position. Especially designed. Consists of 2 pieces. Right-Hand unit is a "Bookshelf" format with 3 shelves and 5 compartments; measures 50" wide x 63" High and 16" shelves. The left-hand unit is a desk with hutch of 3 shelves; measures 63" x 30" x 31" wide. Will hold most all your gear. Designed for a corner. Requires a van or pick-up truck. Yours for best offer over $35.00...

Call Les Lohrman, WA3ENE
(215) 253-8584

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Heard on the party line:

This man was a super-expert salesman. He could sell anyone anything. This farmer he was calling on had one cow. He sold the farmer two milking machines! Then he took the cow for the down payment.

<ARNS>

REMEMBER, JOIN OR RENEW YOUR MEMBERSHIPS IN ARRL THROUGH OUR TREASURER. MEMBERSHIP IS NOT JUST A MAGAZINE SUBSCRIPTION!.

I am reprinting the following story as it appeared in a Packet story on March 18th. It is interesting to see that once again it was the ABC network which condems amateurs as Ted Koppel did in his newscast several months ago.

de W3PYF

RADIO TALK HOST BLASTS HAMS
by Bill NX2P

On March 18 at 0025 EST on his late night/early morning talk show, Tom Snyder, (WABC radio locally) radio program, Tom Snyder unleashed an attack on a amateur operator based upon a comment made by a caller that there was a local ham operator which is wiping out radio and television reception in the neighborhood. Tom Snyder then assumed that the ham operator was transmitting on the radio and television frequencies and was intentionally jamming!

Snyder then said that what the ham operator was doing was illegal and that the caller should call the FCC to complain and have the operator shut down. Tom then gave out a Washington DC phone number over the air for the caller to call and get the number for the FCC office. A couple of calls later another caller came on and gave out the FCC number. Tom did not even mention the fact that the interference could have been caused by the legal operation of the amateur operator (front end overload). Hence the conclusion that most non-amateurs will draw is that all interference from an amateur is caused by illegal operating and that they should complain to the FCC and have the amateur station shut down. Tom also told the caller to have the others in the neighborhood to call, and keep calling until the amateur station is taken off the air.

The caller also made a reference to the local cable company. When it comes to cable, I have to ask these questions: Who is using whose frequency? And, Who is responsible for RF leaking in or out of the cable?

Unfortunately the assumption that the amateur operator is doing something illegal when any interference is caused, creates a conflict rather than creating a cooperative effort to solve the problem. At least this was not on prime time. I will try, and hopefully others will try calling the program to get on the air and set the record straight. Letters would probably help, but I don't know where to send them except WABC radio. de N2XP, Bill

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"FREEZE" SHE SHOUTED!

According to Tom, N3EBH, he is going to have to stop his XYL Daun from watching too much television.

On Monday April 4th, he and Daun were up early and looked out the window and saw the two boys who deliver the morning paper, two which Daun did not recognize, preparing the papers for delivery. As she was watching the one boy walked over to where the neighbors' bicycles were parked, picked up a new set of handlebars, slides them under his jacket and starts walking away. With that, Daun opened the front door and tells teh boys to "FREEZE"!!!!. (She watches a lot of Cagney and Lacey).

Tom, grabbed his HT and went out to watch the boys while Daun used the phone to call the newspaper office.

When Tom saw the boys getting ready to run he call (*1) and requested Police assistance, three squad cars and a Police van arrived in short order.

The neighbor filed a Police Incident Report against the newsboy and as Tom says "*1" came thru again.

<W3PYF>

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FOR SALE

Cushraft R3 vertical antenna (for 10-15-20 meters).....$95.00
30 ft (3 ten foot sections) of Light duty Ham tower with hinge base.....$30.00

Contact Bill, N3CP at 215 865-6234 evenings....

PRB-1

We've all heard something about the Federal preemption of State and Local restrictions regulating amateur radio antennas; the magic PRB-1. Have you ever read any of the commission's actual text, though? Shown below is the text of FCC Private Radio Action, PR-9, dated September 18, 1986.

"FCC DECLARES A LIMITED PREEMPTION OF STATE AND LOCAL REGULATIONS CONCERNING AMATEUR RADIO FACILITIES.

"The FCC has declared a limited preemption over state and local regulations concerning amateur radio facilities, holding that there is a strong federal interest in promoting amateur [radio] communications.

"The ARRL asked the FCC to issue a declaratory ruling preempting all local ordinances which provably preclude or significantly inhibit effective reliable amateur radio communications. The ARRL conceded that the local authorities could enact ordinances designed to ensure the safety and health of persons in the community, but argued that such regulations could not preclude effective amateur communications.

"While recognizing that there are certain general state and local interests which may legitimately affect amateur radio facilities, the FCC said that state and local regulations which preclude amateur communications are in direct conflict with federal objectives and must be preempted.

"The commission declared that local regulations which involve placement, screening or height of antennas based on health, safety or aesthetic considerations must reasonably accommodate amateur communications and represent the minimum practicable regulation to accomplish the purpose of the local authority."

OPINION

PRB-1 is one of the better things which has happened to aid amateur radio in the recent past. There still is a requirement for us, as amateurs, to maintain our guard to prevent the enactment of new and restrictive anti-antenna ordinances. Its easier to stop a proposed ordinance, than to remove one already in force.

I recommend that we get into the habit of reading our local newspaper, and watching for "proposed changes" in zoning ordinances, comprehensive plans, and development ordinances. There are 73 municipalities in the 2-county Lehigh Valley region alone, with hundreds more in adjacent counties. No one person can keep track of all of these governments. Even if you already have the best antenna system you'll ever want, a restriction may limit your ability to modify, repair or replace it.

"THAT UGLY ANTENNA

will lower the value of my house!" Is a frequent cry of anti-antenna forces in the community--your neighbors and mine. I need your help to prove them wrong! If you have or know of a conspicuous amateur antenna (i.e. tri-bander at any height, large VHF array, or a tower of any height) and any nearby homes have sold within the last two years, will you let me know. I know of one home, 2-houses away from a typical tri-band, installation which sold in 4-days for $10,000 over asking price. A few more sales like this can refute the "depreciation" claim and help amateurs here and around the country. Please get this information to me ASAP. **de K3YD**

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BRUNEI - V85BA is regularly aboard the Family Hour on 14,226 KHz from 1600 UTC. QSL to Ahmad's '87 or '88 CBA.

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CAMEROON - TJ1BP on 14,180 KHz at 2200 UTC offering 10 and 15-meter skeds to all who made those requests. QSL Peter via VE3NPL.

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DOMINICAN REPUBLIC - Now thru 16 April. K2BS/HI8 with cw and ssb on 10-80. If you need HI8 on a particular band, Shelly will be happy to oblige. QSL to his home CBA.

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EASTER ISLAND - CEØZIG on 28,035 KHz from 2000 UTC and YL CEØGHO on 14,191 to 14,210 KHz from 0030 UTC. QSL to their respective CBAs.

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GUINEA-BISSAU - J52US on 1827 KHz from 0115 UTC with an outstanding signal. QSL via WA8JOC.

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ISRAEL - 4X4NJ, responding to innumerable requests for top-band QSOs, is now regularly near 1840 KHz from 0300 UTC. QSL via WA4WTG.

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JAN MAYEN I. - JX8KY on 14,176 - 180 KHz at 1500 and again at 1800 UTC. QSL to LA8KYV via the LA Buro.

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KENYA - 5Z4JB and 5Z4PT share the honors on 21,345 KHz from 1900 UTC. QSL 'JB' to: Jules Beaudoin, American Embassy, P.O. Box 391, APO NY 09675. QSL 5Z4PT directly to Gerard Petiot, P.O. Box 30197, Nairobi, Kenya.

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KINGMAN REEF - 23 - 29 April. K9AJ/KH5K on cw, ssb and RTTY by F6EXV, JA5DQH, KP2A, WA2MOE, K9AJ and WØRLX. Most operations will be "split", QSX up for North America and QSX down for all other Countries. CW - about 25 KHz above the low ends of 10-80. SSB near 3775, 7085, 14,195, 21,295 and 28,595 KHz. RTTY will be near the 090 slots of 15 and 20. QSL with s.a.s.e. (and hopefully a donation to help cover their huge expenses) via WA2MOE.

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KIRGHIZ - UM8MAE is almost always near 14,030-035 KHz from 0100 UTC with a good signal. QSL via Box 88, Moscow.

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MALDIVE IS. - 19 April to 11 May. DA2ER will receive his 8Q7 callsign upon his arrival. He plans cw and ssb on the usual DX frequencies of as many bands as he is able to erect antennas. QSL for all of DA2ER's operations since 1 Jan '88 via W8IMZ.

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MAURITANIA - 5T5EV on 14,215 KHz from 0030 UTC. QSL via DL3KCE.

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NIGERIA - 5NØWRE QSYs between 21,280 and 21,300 KHz from 1700 UTC as he responds to calls adjacent to his last transmitting frequency. QSL via K4JZQ.

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RODRIGUEZ I. - 3B9FR alternates between 21,335 and 14,183 KHz every day from about 1830 UTC. QSL via DJ9ZB.

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SO. ORKNEY IS. - Now thru June. VP8BNC on 14,205 KHz at 2345 UTC, describing the Island and relating his interesting experiences as a member of a British Antarctic Survey Team. QSL via the RSGB Buro.

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UZBEK - RI8BN, in much sought-after Zone 17, has a potent signal in his daily schedules near 14,020 KHz from 2330 UTC. QSL via Box 88, Moscow.

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GREYSTONE BUILDING
NAZARETH, PA
18064

01/01/89

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

MAY 88

LEHIGH VALLEY, PA
PM
MAY 2
1988
18001

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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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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