THE DELAWARE-LEHIGH AMATEUR RADIO CLUB, INC.

NEWS

RD #4
GREYSTONE BUILDING
NAZARETH, PA
18064

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** NOVEMBER 1987 **
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NOVEMBER 5======NOVEMBER 5=======NOVEMBER 5=====NOVEMBER 5======NOVEMBER 5======NOVEMBER 5

ELECTIONS OF OFFICER TO FEATURE THIS MEETING..ELECTION OF OFFICERS TO FEATURE THIS MEETING

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Election of Officers will feature this months meeting. The following were presented by the Nominating Committee headed by N3EBH.

President....KU3K...Bob Kratz
V-President..W2SPK..Rivo Bartolocci
Secretary....KA3MNY.Roy Buss
Treasurer....KB3RI..Bob Mulrooney

For the Board of Directors

W3PYF....Clarence Snyder
KA3EED...Ken Field
K3NZ.....Norm Zoltack
W3YXS....Wally Green

NB3L, Diane was nominated on the original list by the Nominating committee for the Board of Directors, but asked to be taken from the list. When nominations were opened, there were no others nominated for the President, V-President, Secretary or Treasurer. When nominations were opened for the Board of Directors, (5 TO BE ELECTED), the following were nominated from the floor.

K3YD.....Blair Bates
W3TDF....Ray Bilger
W3CCE....Bob Dickensen
N3EOF....Mark Koplin

Remember, it's your club, come vote for the board of directors who will do what you wish. This is not at board of directors club it is your club, lets keep it that way.

WHAT HAPPENS TO YOUR OVERSEAS CALLS?

It is doubtful if many of us amateur radio operators make many overseas phone calls but, through the cooperation of KW3W, Bob, we will see a video presentation at this meeting after the election of officers.

The video tells of the construction of the cable which spans the Atlantic ocean, and the electronics which are involved, such as amplifiers and other equipment, much of it built at the Allentown Facility of AT&T.

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BUSY MONTH

When it comes to public service, we really had it during the month of September. Although it was too late for the last news letter, 10 of our members participated in the 100 mile bicycle race in the Lehigh Valley on Sunday September 20th. The preceding day, 7 of our members acted as communications for the Pfizer Five race in Easton.

Once again our abilities as professional communicators was well appreciated by the organizations who requested and received our services.

The emergency Autopatch to county showed how well our *1 works. During the last month, 3 accidents were reported, one medical emergency and two reports of other emergency nature.

FROM THE PRESIDENT
by Bob KU3K

Well if you missed the October meeting it was a most enjoyable and informative affair with honors given Bill, W3FYK and interesting speeches by Kay Cragie, KC3LM and Hugh Turnbull. The attendance for this special night was "fantastic"!

Prior to the meeting, yours truly, Veep W2CCE, W3PYF, W3FYK and his wife, Kay, and Hugh had a wonderful discussing our "favorite hobby" over dinner at the Newburg Inn.

I am happy to report that a new slate of officers have been presented with voting to take place at the November meeting. Several of the nominees have been elected by acclamation including yours truly and I can say with authority that I have learned a great deal this past year, and I hope I can put some of that experience to work. I have always maintained that a club is only as strong as its weakest president..which loosely translated means..I NEED YOUR HELP!

We are STILL looking for someone to assist W3PYF in writing material for this newsletter. We lost our regular editor and Clarence picked up the ball but he can't write everything himself. AS an assistant editor you may write yourself, compile from other sources or simply get on the air and gather reporters! DON'T BE AFRAID..You will not be thrown into the snake-pit. We need help forever and have no intention of scaring off any volunteer!!

Novice/General classes have started and are going very well. This area of club activity is one of the most important events we sponsor and I am proud to be involved. If any of you would like to volunteer as a one night teacher to talk about your particular area of expertise, please contact me..a group of eager students are waiting.

The Board has decided that this year our December fund raiser will NOT be the old "basket of cheer". We decided on a more family oriented prize package with an RCA video cassette machine as the top prize. Tickets will be available either at the November meeting or will be mailed directly to you as in the past. This is the only fund raising project we have all year so please SELL,SELL,SELL....KC3CR will chair the sale. Heeeeeellllllllllpppp de KU3K

CHRISTMAS PARTY COMING

With KA3MNY leading the pack again the annual Christmas party for our families will be held on Friday night, December 18 at the Moorestown Inn, located at the intersection of 946 and 512.

The party will begin at 6:30PM and will be served family style with Chicken and Roast Beef as the menu. Tickets will be only $12.00 each and checks should be made out to DLARC and get the money to Roy. It is important that we get all reservations in by December 14. Lets not procrastinate, make your reservations early.

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WIN A VIDEO RECORDER

As you all know, we cannot exist on just the dues collected. The raffle to be held by the club with KC3CR as chairman will begin at this coming meeting. Tickets will be mailed to those who do not attend. It is important in order that we continue to run the repeater, have the news letter, the Field Day activities and other club activities, we must have the income from an extra activity such as this. Lets all try to pitch in.

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JOTA A BIG SUCCESS

Once again, DLARC came through with activity in the Jamboree on the air on October 17-18. During Saturday evening members of our club had 13 scouts, both boy and girl scouts at homes and at the Club stations W3OK.

With the club station "manned" by WA3COU, Carol and WD5BRP with three girl scouts and K9TBD with 6 scouts at his home and Bill K3ANS with K3RBH at his place had 2 Boy Scouts and 1 Cub Scouts, the talk was from coast to coast and Canada. The scouts at K3ANS's heard him contact a station on Robinson Caruso Island. Joel, demonstrated everything from SSB to RTTY. Consensus was from all the operators that once the scouts got to talking, they had a ball. Turning them on was the problem. The scouts talked to others in Texas, Nebraska, Minnesota, Iowa, Oklahoma, Missouri and California, as well as the entire East Coast.

THE ARRL BULLETINS, WHERE DO THEY COME FROM?
by Tom, KB3UD

Have you ever wondered where the ARRL bulletins come from that Les and Clarence share with us on the Wednesday and Sunday Nets? Have you ever tried to copy the ARRL Bulletins yourself on one of the many modes they are now available? Do you know where and when they are transmitted? If you have a picture in your mind of a HAM sitting hunched over his CW rig, cans clamped to head, pencil in hand, scowling at the receiver dial as he tries to pick up the bulletin word for word as it is transmitted by W1AW, then your picture is a little aged. Although CW Bulletins are still sent, and I myself find them good CW practice, the newer forms of digital transmission make bulletin distribution a lot easier. Consider the following. A station on Long Island (admittedly a computer "nut") has an AMTOR station set up and controlled by a computer in such a fashion that it automatically copies the W1AW AMTOR Bulletin. This auto-station then takes the text of the Bulletin and retransmits it onto the packet system. It uses the "flood" method where any Packet Bulletin Board Station (PBBS) station within his reach gets the Bulletin. One of those PBBS' is in North Jersey, within reach of the KB3UD PBBS. Shortly after the NNJ station receives the Bulletin it is retransmitted to another set of stations, of which KB3UD PBBS is one. From KB3UD PBBS it is auto-routed to several stations in the Eastern Pa Section as well as across the state into Pittsburgh. At each of these PBBS' the Bulletins remain for any and all to read. The entire list of bulletins sent in 1987 including DX Bulletins, Propagation Forecasts, Keplerian Elements, Satellite Bulletins as well as the regular ARRL Bulletins are available on most major PBBS' in the section. This makes it easier for those Official Bulletin Station who are Packet equipped to take down the bulletins and re-distribute in a timely fashion on whatever local means is preferred.

Digital Bulletins are available from W1AW on the following modes: 45.45 Baud Baudot, 110 Baud ASCII, 100 Baud AMTOR, FEC mode. Baudot, ASCII and AMTOR are sent in that order during all 1500 UTC Bulletin transmissions and 2200 UTC on Wednesday, Thursday, Friday and Sunday. AMTOR is sent at other times only as time permits.

Oh, by the way, the other digital mode, CW, is sent at 18 WPM...good practice for that so-called elusive 20 WPM milestone.

de KB3UD

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CONTEST CALENDAR
by Barry, KU3X

Nov 7-9	ARRL November Sweepstakes C.W.
Nov 13	W1AW Qualifying Run 10-35 WPM
Nov 14-15	European DX Contest RTTY ARRL International EME Competition.
Nov 15	SOWP High Speed Certificate Test. (40 to 60 WPM)
Nov 21-23	ARRL November Sweepstakes Phone. AOEC 160 Meter DX Contest.
Nov 28-29	**CQ World Wide DX Contest CW.**

FOR SALE

10 Meter Ringo Ranger, $15.00 good condition also 2 sections of tower, you take it down. Contact Jack Newhard, WB3BAO at 253-0555.

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2 Scopes, both need a little work. 1 Conar 250, 1 Heathkit Laboratory type..Best Offer..Contact Kurt, KA3MOB at 759-2600.....

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DAYTON HAMFEST
April 29,30, and May 1, 1987

Join me in camping -- A low cost alternative to hotels. Caravan leaves Easton early April 28 and returns May 2, 1988. We'll select starting time and spot later. I have sent for information from the Hamfest. I am probably taking my tent camper which sleeps four (2 couples) so I have some room. Maybe you have something better. Have you any recommendations for a campground. Call me if you want to join up. Home (215) 258-5063 Office (215) 253-2745 or on 70..de Bill, K3ANS.

FOR THE 440 Mhz ENTHUSIASTS
by Larry, K3LZ

A new facility has been added to the UHF repeater on Gaffney Hill. This machine is now linked with several other repeater covering portions of northern Pennsylvania, New Jersey, Upstate New York, Connecticut and western Massachusetts.

Operating this local (Easton, PA 443.700 K3LZ/R/A) repeater allows instantaneous and reliable (plus or minus a 20 inch early October snowstorm!) voice communications with your buddies located in all of the regions serviced by the repeaters in the network. In addition as you travel hundreds of miles in your car, you can talk to your friends back home.

You can access this ("Seven State Repeater") network in the following manner.

1. With a good UHF mobile installation, you will reach the Gaffney Hill UHF repeater reliably within a 30 to 70 mile radius depending on direction.
2. The High Point New Jersey, Sussex County (440.450, K2KQZ/R/A) provides mobile coverage to northwestern, NJ, northeastern PA and southeastern New York (except NYC).
3. The Shohola, Pa (146.715, K2KQZ/R) covers the northeastern Poconos, as far west as Scranton.
4. The Chataham, NY (449.100, 146.67 WA2PVV/R) repeaters overlap the High Point node and cover the Albany/Schenectady region.
5. The Great Barrington, Massachusetts-Repeaters (145.27, KA2OA/R) covers most of Western Mass.
6. The Seven States Repeater club, founded by Bob Newhaus, K2KQZ has as its goal to solve the technological problems of linking together as much of the eastern U.S. as possible. For the immediate future, agreements have been made to link the Gaffney Hill, Easton facility, with the 443.800 (K3VAN/W3HKZ) repeater in Staten Island, NYC. 443.8 blankets the entire center Philadelphia area and the 447.225 (KA2YBF) repeater in Staten Island, NY. covers all of NYC into Connecticut and down the Jersey coast to Atlantic City.

de Larry, K3LZ

FROM THE OLD MAN
by Clarence, W3PYF

I'm begging, I'm pleading, and I don t know what else to do. With my editing the news-letter now, I need your help. All of you have some type of expertise, why not put it on paper, you don't even have to type it, just write it so I can read it, and I'll put it on paper.

Lets make this a club paper, with your contributions, it can be.

What a week-end it was for the PA QSO party, I heard quite a few of our members working hard to build up the club records, I am sorry, that I could not put all the time in it that I should have but I did make over 150 contacts, but when I heard some of the numbers flying on the air, one was over 1000 Q's, I felt very inadequate. W3TDF, the "Tired Dirt Farmer" went on a DXpedition to Sullivan County, and it bothered me how good his signal was from there, he never had that good a signal from home. The rain, apparently didn't hurt too much on the Pack Rats Hamfest, quite a few of our members were there, and I will not try to mention them again as I blew it last time and missed several.

It is great to hear that Roy, KA3MNY is now a MARS member, and is trying hard to get so he is completely involved as he is with anything he works on, even to getting on RTTY with his Commodore. The Sunday Allentown Sunday call had a nice story on Larry, K3LZ and his company Viatek in the October 11 issue.

For those interested, there will be a LV Micro Computer Show & Flea Market at the George Washington Motor Lodge in Allentown on November 29th..I have no other information as to admission or what, but I am sure it will b available as time comes near.

Don Holmes announces that VEC testing will take place on November 6 and December 4 and January 9 at the Gracedale complex, so if you know of any one who needs to update, let them know.

The social director of our club, KA3MNY told me as I was writing this column that the Club Christmas party will be held on December 18 at the Moorestown Inn..It will be a great family style dinner. More to follow at the meeting and on the air.

2 METERS TO THE RESCUE

by Dane, N3FSR

It all started as a peaceful canoe trip to Assateague Island National Seashore for a three day camping outing. Five of us started out from Pennsylvania Saturday morning in a fine drizzle. By the time we arrived the sun was shinning and the temperature was perfect. Sunday the weather was beautiful, several of us even went swimming in the ocean. The mosquitoes were fierce and insect repellent was the order of the day. After a fun day on the beach, we walked back to the camp which was two miles from civilization. A group of nine canoes that had come in that morning were the only other people around. These campsites were called backcountry campsites because the only access (other than four wheel drive vehicles used by surf fisherman) was by hiking or canoeing. The famous Assateague ponies were abundant and bold enough to come into camp looking for food.

Sunday evening the sun disappeared into the clouds never to be seen again. As strong northern wind suddenly blew up (and when I say suddenly, I'm not chiding). The insects instantly blew away, to our relief and the temperature dropped. Every one scurried to put on heavier clothing and a campfire was quickly lighted. The rain held off that night and everyone turned in relatively early. The next morning one of the early risers (and a very cautious one at that) came pounding on our tent ranting about small craft warnings and being trapped or walking out. After a suitable amount of time and a cup of coffee we were able to ascertain that a small craft warning had been declared, the water in the bay was very choppy and white caps were abundant. To top it off the wind had shifted from being a tail wind for the return trip, to a strong head wind that was gusting to 25 miles per hour. The fact that we were in open canoes and a few hundred pounds of gear to take back put us at odds with both paddling and walking back.

Conversations with the other group of canoeists revealed that several were unable to return due to disabilities,precluding a battle with the elements. I had brought my 2-meter HT along, packed away in plastic bags to keep the salt air from getting to it. I generally don't listen to any kind of radio when I get out in the open. My friend had told the folks that I had my "CB" along so they were naturally curious when I got the transceiver out. My first attempt failed to bring up the Ocean City Maryland repeater was unsuccessful. I tried several others but of no avail. We have all found that shifting a few feet helped and standing on top of a picnic table did it. My call for help was answered by an amateur in Ocean City. He said he would be home in about ten minutes and would call the ranger for me. During his absence several other hams came back to me, one of which lived about ten minutes from the visitors center. He drove to the park office and reported our plight to the rangers in person.

Meanwhile several other hams, ranging from about 45 miles south of us to others in Ocean City, came back to us with weather reports from the Weather Service.

When one of the local amateurs, who did not hear of our plight came on frequency to tell of his fishing trip over the weekend, he was quickly asked to keep the frequency clear in order to help the emergency in progress.

The ranger showed up about that time and told us to have all of our gear packed and he would be back with a maintenance man and a trailer. He then went off to locate other stranded campers. About an hour later we were loading our gear and canoes into the trucks and were whisked off to our cars. All in all the event lasted about two and one half ours.

The canoeists offered the hams that had aided us their thanks and one CB enthusiast asked me how he could become an amateur radio operator. I gave him the name and address of a club near his home in New Jersey. the non-hams were impressed with amateur radio and got to see what it is all about. I was glad that amateur radio was able to aid us in our plight. Even though most of us probably would have been able to get out without a struggle, it was definitely the prudent thing to call for aid. As a parting shot, it started to rain as we reached our cars.

de N3FSR

YANKEE DOODLING

by Blair, K3YD

PENNSYLVANIA QSO PARTY

It's all over but the paperwork (logs) but what a WEEKEND! Just in case you've been vacationing in Revilla Gigedo (XF4) and missed it, I'm talking about the Pennsylvania QSO party--1987 version. If anyone missed working Northampton County or DLARC members in the contest they must have been on 2304 MHz--working MOONBOUNCE. I've never before heard such activity from the DLARC gang. Even Clarence was heard making some contest QSO's.

Who did we miss this year? Of course the super signal and super score from K3ZUF. (Tony, you will win South Jersey for DLARC next year, won't you?) And Bill, N3BIB was nowhere to be heard--at least on Saturday, BUT--was there ever activity from every other direction. Bill, K3ANS, a recent convert from inactivity was well over 500 contacts on Saturday evening, Charlie, KJ3R, was tearing up the band with his Big signal. Ray, W3TDF, must have grown some great antennas on his Sullivan county dirt farm, too. Nice signal and big numbers. (Ray, what a treat to hear your bug-sent CW Saturday evening--shades of the old W4KFC fist.) Mark, N3EOF, what's your secret--over 300 contacts with a 5-watt Ten-Tec Argonaut? I could go on all night and still not mention everybody--so let's just say that ALL of us did a super job.

Now, before the logs get lost, let's send them in. There was so much activity from DLARC this year that we may be second or third place overall! After you've checked your logs, please send them to DOUG MADDOX W3HDH, 1187 S. GARNER, STATE COLLEGE, PA 16801 OR bring/send the logs to the November DLARC meeting,. The club log checkers (KU3X,KA3MND, & K3YD) will review and score and mail all legible log sheets. If you worked over 100 QSO's you'll need a dupe or cross-check sheet for each band/mode, too.

SEND LOGS BY NOVEMBER 15TH, PLEASE.

SWEEPSTAKES

Just in case you've caught the contest bug and want to try another one, the ARRL Sweepstakes will be held the first and third weekends in November; different weekends for phone and CW. Sweepstakes is one of the oldest Amateur Radio contests and has been held each fall since the mid-'30's-- except for the WWII years. Something new this year is a QRP (under 5 watt) category. Sweepstakes exchange is:

Serial#,Power, YOur Call, year first licensed, and ARRL Section. As an example: 162,Q,K3YD,64,EPA. For power level, send A for under 200 watts, B for over 200 watts, and Q for QRPp(Under 5 watts). For the rest of rules, check October QST or CQ or any other Radio Magazine.

WHY CONTESTS?

The best explanation of contests that I ever heard was:"Normal operating speeded up." Why would anyone want to spend a weekend exchanging nearly identical information with dozens or hundreds of other stations? Well, I can think of lots of reasons. Suppose you want to evaluate a new antenna system, let's say on 40 meters. If you don't work anybody closer than 1200 miles you probably have a great DX antenna. If you only work people with 600 mi. the antenna is a great local ragchew wire. You can also evaluate the directivity of the antenna by checking the sections you work and miss. You can also evaluate the directivity of the antenna by checking the sections you work and miss. Other applications of contest data will probably come to mind.

What kind of station do you need to participate in a contest? **Anything** which is capable of transmitting and receiving! Contrary to popular belief, you don't NEED a KW and beams at 120' to compete in a contest, even tho' you'd need that set-up to win. Big-Gun contesters NEED to work lots of little-pistols to run up a big score. Just tune up and down the band and call the LOUD ones--you'll be surprised how many come back on the first call!

A BONUS! Many inactive or rare locations come to life for contests. Are you looking for the last seven states for the DLARC WAS award? They'll be on the air for Sweepstakes contest--GUARANTEED! How about a few more continents for WAC or countries for DXCC? Just be on the air during the COWW(World Wide), or ARRL DX contests. Unless you have the WTA award (WORKED THEM ALL). Try it you may like it. de <K3YD>

DIGITAL COMMUNICATIONS
ref: GMT.NSL
K9TBD - Joel A. B. Elston

The following is a program I wrote for an IBM compatible and the C-64 computers. Line number 20 sets your local time zone and is currently set for +4 hours from England which represents EDT. Change it to 5 for EST. Line 30 selects which computer you are using and is currently set for IBM compiled BASIC. The program prints a handy table. I keep a copy of this table above my ordinary 12 hour clock so I don't have to think about the conversion. This solution costs much less than a 24 hour clock! Compiled BASIC doesn't understand line 60 the CLS statement and gives a warning message, but, you may ignore the warning as the compiled version runs just great.

```
10 REM GMT clock JABE, K9TBD, 4/87
20 AD = 4:REM change to local zone from GMT
30 CS = 1:REM computer switch 1=IBM compiled, 2=IBM interp, 3=CBM
40 SS$ = "    "
50 IF CS=1 THEN PRINT CHR$(27)+"[2J":REM clear screen (ansi)
60 IF CS=2 THEN CLS:REM clear screen (for interpreted basic)
70 IF CS=3 THEN  PRINT CHR$(147):REM clear screen (c-64)
80 IF CS=3 THEN SS$=""
90 IF AD > 12 THEN AD = AD - 24
100 IF AD < -12 THEN AD = AD + 24
110 PRINT SS$+"          K9TBD GMT Converter"
120 PRINT SS$+"            Add Hours = ";AD
130 LO = 15*ABS(AD):EW$="W"
140 IF AD < 0 THEN EW$ = "E"
150 SP$ = ""
160 IF AD = 0 THEN SP$ =   SS$+"          (Prime Meridian)"
170 IF LO = 180 THEN SP$ = SS$+"      (International Date Line)"
180 PRINT SS$+"           Longitude ";LO;EW$
190 PRINT SP$
200 PRINT
210 PRINT" Local am","GMT"," Local pm","GMT":PRINT
220 FOR I = 0 TO 11
230 X1 = I + AD : F1$ = STR$(I)
240 X2 = I + 12 + AD : F2$ = STR$(I)
250 Z1 = X1 : IF X1 > 23 THEN Z1 = X1 - 24
260 IF X1 < 0 THEN Z1 = X1 + 24
270 Z2 = X2 : IF X2 > 23 THEN Z2 = X2 - 24
280 IF X2 < 0 THEN Z2 = X2 + 24
290 IF I = 0 THEN F1$ = " Midnight"
300 IF I = 0 THEN F2$ = " Noon"
310 PRINT F1$,Z1,F2$,Z2
320 NEXT I
330 PRINT:PRINT
340 PRINT SS$+"          Enter new Add Hours"
350 PRINT SS$+"          for new time zone";
360 INPUT AD
370 GOTO 50
380 END
```

K9TBD GMT Converter
Add Hours = 4
Longitude 60 W

Local am	GMT	Local pm	GMT
Midnight	4	Noon	16
1	5	1	17
2	6	2	18
3	7	3	19
4	8	4	20
5	9	5	21
6	10	6	22
7	11	7	23
8	12	8	0
9	13	9	1
10	14	10	2
11	15	11	3

Enter new Add Hours
for new time zone

K9TBD GMT Converter
Add Hours = 5
Longitude 75 W

Local am	GMT	Local pm	GMT
Midnight	5	Noon	17
1	6	1	18
2	7	2	19
3	8	3	20
4	9	4	21
5	10	5	22
6	11	6	23
7	12	7	0
8	13	8	1
9	14	9	2
10	15	10	3
11	16	11	4

Enter new Add Hours
for new time zone

The BASIC program is shown above with two sample output tables. The left hand table "Add hours = 4" represents EDT and the right hand table "Add hours = 5" represents EDT. The bottom of each table is a user prompt to change time zones and any number in the range of your machine is valid. This means that you can use it for multiple passes around the world. The only difference in the IBM BASIC and C-64 BASIC is that CBM remembers your last input (nice for reducing multiple passes around the world) whereas IBM BASIC sets the input to zero. Zero input will display (Prime Meridian) and +/- 12 (hours) will display (International Date Line).

SOME REWARDS OF AMATEUR RADIO
by Charlie, WA3RSQ

On Monday September 28th, I was sitting in front of my amateur radio gear in my shack listening to a maritime mobil net on 20 meters hoping to hear a KL7 or a KH6 as I am working towards the club WAS certificate. Sitting there hearing the various stations call in I heard a K6 from California call for Allentown-Bethlehem-Easton Area, well, I about fell off my chair reaching for the mike and without giving the net control a chance to ask if someone was on frequency from this area, I replied with great excitement, ABE area!..Well the K6 responded with, "My God I don't Believe it." he was as surprised and excited as I was. We moved off frequency and made contact further down the band. AS it was, his XYL is from Bethlehem and had flown from California to Bethlehem the day before and he asked if I could make a patch for him. I have a phone patch, but you know where it is, in some box somewhere, just like at W3PYF's place, I made a call for him and passed the information for them back and forth, however, they were quite able to hear each other by me holding the phone close to the mike and speaker.

The story doesn't end there. On Friday in October, Bob, K6DUY and his wife Kitty stopped by the Weather Office and we had an eyeball. On Monday night we got together at my QTH and my wife Gini and I later went out to dinner with them.

Its just a great feeling to help someone some 3000+ miles away and in the same week get to meet them in person. Its one of my best rewards since I am in amateur radio some 28 years.

I am living a dream. When I was 12 to 13 years old my parents owned a three story older home in Scranton area. I would dream of sitting up in the attic on ham radio with a pair of headphones on talking to the world, well I am living that dream now, from my ham shack in my basement of my home sitting in front of my gear with my phones on working the world.

HAM RADIO TO ME THE BEST AND MOST REWARDING HOBBY IN THE WORLD!<WA3RSQ>

DUES ARE DUE!

It is time again for your dues to be sent to treasurer, Bob Mulrooney, KB3RI. On **FEBRUARY 15th** the autodial access code will be changed and anyone who has not paid his or her annual fee will be removed from the autodial locations. In addition, the mailing list will be changed and your name will be removed from the newsletter mailings. The fee for renewals remains at $12.00. Family membership, with one news letter is $15.00. News letter alone, $5.00 per year.

Lets keep Mulrooney smiling, send him MONEY...I think we will change his name to "Mulmoney" instead of his given name. If you do not bring your dues to the meeting this month, send it to:

Robert Mulrooney, KB3RI
2402 Butler Street
Easton, PA 18042

Checks should be made out to the Delaware Lehigh Amateur Radio Club Inc.

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FOR SALE

1 Century 21 Ten-Tec Transceiver.
1 Hal Keyboard with B&W Keyboard
1 Paddle Key
1 Kenwood R300 Transceiver.

Books and other accessories. Contact Chuck Diebold KA4JZM at Good Shepherd Home 821-0143.

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1 Rohn 35 Tower, 50 ft including Base plate and House bracket. Includes top section, Made for Motorola industrial use. Asking $200., delivered.
Contact Bill, K3ANS 258-5063 or at this office, 253-2745.

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IF IT IS TIME FOR YOU TO RENEW YOUR MEMBERSHIP IN ARRL, BE SURE TO RENEW THROUGH OUR CLUB. GIVE YOUR CHECK TO TREASURER KB3RI. NEW MEMBERS IN ARRL CAN ALSO JOIN THROUGH THE CLUB...TALK TO BOB MULROONEY AT THIS MEETING. LETS MAKE THIS A CLUB WITH 100% MEMBERSHIP IN ARRL.



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ARUBA - 14-27 Oct. P4ØV, there especially for the CQ WW DX SSB Contest on 24/25 October, will be on all bands before, during and after the Contest. The team includes: W6OAT, W6SZN, N6KT, N6TR, N6TU, NU6S and AI6V. QSL with s.a.s.e. via WA6AHF. ... Also there for the Contest: K2SS on 20 and K4UEE on 75 signing P4ØR. KB2HZ on 15 as P4ØT and his xyl KB2TB as P4ØZ.

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BARBADOS - 8P9HR, in the CQ WW SSB Contest, will be active on 10-160 as a Single-Transmitter, Multi-Operator entry. For the week before the Contest, the team of K3KG, K3ZR, K4FJ, W4NL and N4TX will be signing 8P9HQ, HR, HS, HU and HV on 10-160 plus 10, 18 and 24 MHz. The Contest QSL Manager is K4BAI.

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BELAU - KC6CS by JE1JKL on 10-40 with ssb and RTTY. QSL to his home CBA.

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BOTSWANA - A22RB is regularly near 21,255 KHz from 1900 UTC. QSL via KA3OYY.

***

CENTRAL AFRICAN REPUBLIC - TL8HB meets the troops on 14,236 KHz most days from 2000 UTC. QSL via WB8TGP.

***

COCOS KEELING I. - Now thru 22 Oct. VK9AB on 10-160, cw and ssb. QSL: ZL1AMO.

***

CROZET I. - FT8WA, Jean Michel, on 7070-80 KHz QSX 7164 or 7168 or 7197 KHz (as announced), daily from 0300 UTC. QSL via F6FNU.

***

GALAPAGOS IS. - HD8CQ on 28,445 KHz at 2000 and 14,200 KHz at 2330 UTC. QSL Roy via KT1N.

***

JAN MAYEN I. - 16-26 Oct. JX1UG plans cw and ssb on 10, 15 and 20. QSL: LA1UG.

***

MADEIRA I. - 19-26 Oct. WA4TLI/CT3, teamed with AA4VK, on all bands before and during the CQ SSB Contest on 24/25 Oct. QSL to their respective CBAs.

***

MALI - TZ6VV likes 21,271 KHz from 1400 UTC. Larry said his new 3-el tri-bander should be up and operating right about now. His QSL Manager, NØBLD, has a new address: 5831 S.E. 53rd St., Tecumseh, KS 66542.

***

MAURITANIA - 5T5RA is where you'd least expect him - around 21,440 KHz, from about 1900 UTC. QSL to Robert Wagner Ackerman, Box BP-14, Kaedi, Mauritania.

***

MIDWAY I. - NP4JV, presently on Guam appending /KH2 on all bands with cw and ssb, will be a /KH4 entry in the CQ WW SSB Contest. Ken advised that he is planning a 3-day weekend - soon - in the Mariana Is. where he will append /KHØ. QSL via N2AU.

***

PACIFIC ISLANDS TOUR - OH1RY, presently in the Fiji Islands signing 3D2RY on 10 to 80, will open from Nauru (possibly as OH1RY/C2) on 18 October. Then, from 21 to 28 Oct., Peter will be on W. Kiribati where he is prepared to be an entry in the CQ WW SSB Contest (hopefully signing his requested T3ØRY). QSL to QTH listed in previous Issue.

***

SAO TOME - S92LB is regularly on 21,300-330 KHz from 1900 UTC. QSL Luiz to Box 147, Sao Tome, Africa.

***

SVALBARD - 16-28 Oct. JW5NM by LA5NM and JW7FD by LA7FD will be on 10-80 with ssb. They will be a Multi-Op entry as JW5E in the CQ WW SSB Contest on 24/25 Oct. QSL both via LA5NM.

***

TOGO - 5V7SA is usually near 14,160 KHz daily from 2100 UTC. QSL via WB4LFM.

***

TUNISIA - 17-30 Oct. 3V8RFA by WB7RFA with ssb on 10, 15 and 20. QSL to his CBA.

THE DELAWARE-LEHIGH AMATEUR RADIO CLUB, INC.

NEWS

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GREYSTONE BUILDING
NAZARETH, PA
18064

01/01/88

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

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 145.110 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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1987
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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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Amateur Radio News Service