THE DELAWARE-LEHIGH AMATEUR RADIO CLUB, INC.

NEWS

RD #4
GREYSTONE BUILDING
NAZARETH, PA
18064

* * * *

LETER FROM THE PREZ

TIME PASSES SO QUICKLY..ITS APRIL ALREADY AND TIME TO THINK ABOUT THE GREAT SPRING AND SUMMER OPERATING ACTIVITIES. MANY OF YOU WILL BE ASKED TO VOLUNTEER.. TO HELP SUPPLY MUCH NEEDED COMMUNICATIONS FOR MANY PUBLIC EVENTS. SINCE THE CLUB IS NOW IN POSSESSION OF TWO HANDIE TALKIES (KB3LF MEMORIAL) YOU CANT SAY "GEEZ..I DONT HAVE A WALKY-TALKY..MAYBE I'LL PICK ONE UP AT A HAMFEST..IN 1994..." NO EXCUSES FOLKS! SPEND A DAY WITH US AT A BIKE RACE (WE DO SEVERAL OF THESE), OR PERHAPS HELP THE RED CROSS WITH THEIR DERRIERE IN THE DELAWARE..OF COURSE CLARENCE, W3PYF, CAN ALWAYS USE YOUR EXPERTISE DURING A WEATHER ALERT EXERCISE OR OTHER EMERGENCY DRILL! ANYWAY, JUMP IN AND DONT BE SHY GUYS AND GALS. ITS FUNNN!!

SPEAKING OF FUN, PROBABLY THE BIGGEST EVENT WE HAVE DURING THE HOT WEATHER MONTHS IS FIELD DAY!! THIS EVENT IS COMBO PICNIC AND OPERATING MARATHON THAT JUST CANT BE TOPPED FOR GREAT FELLOWSHIP. FIELD DAY IS MORE THAN A CONTEST. IT TELLS US JUST HOW "READY" WE MIGHT BE IF AN ACTUAL "EMERGENCY" WOULD OCCUR. HOW MANY OF US EVER THINK ABOUT IT..TORNADO..EARTHQUAKE..FLOOD, RIGHT HERE IN THE LEHIGH VALLEY! WHAT WOULD WE DO..WHAT WOULD YOU DO. DO YOU HAVE OPERATING SKILLS TO COVER THIS KIND OF THING. DO YOU HAVE EQUIPMENT THAT CAN BE OPERATED PORTABLE! FIELD DAY TESTS OUR EMERGENCY PREPAREDNESS, BOTH AS A CLUB AND AS INDIVIDUALS. THIS YEAR MAKE YOUR COMMITTMENT TO HELP. NOT THE CLUB SO MUCH AS YOURSELF. BECAUSE WHAT YOU CAN LEARN WILL BE INVALUABLE AND THE FUN BECOMES JUST THAT MUCH MORE ENJOYABLE.

THE NEW DLARC..WORKED ALL STATES.. AWARD IS RUNNING AS OF 5 MARCH. BARRY, KU3X, HAS PUT TOGETHER A WINNER. NORM, K3NZ, MADE A CERTIFICATE, COMPLETE WITH CLUB LOGO, THAT SURPASSES EVEN THOSE COMMING FROM A.R.R.L. TO THOSE WHO DID NOT ATTEND THE MARCH MEETING AND SEE THIS CERTIFICATE. THIS AWARD IS ONE YOU ABSOLUTELY MUST HAVE!!! THANKS GUYS FOR A JOB WELL DONE! THINK SPRING .. COILS .. WIRE .. ANTENNAS!!

73-88 de ku3k

And the answer is...

A Cray-2 supercomputer processed a new algorithm requiring 138 million words of memory, 12 trillion arithmetic operations, and 28 hours of processing time. Result: a new value for pi that has been computed to 29,360,128 digits.
Popular Science

****

MINUTES
March 1987

Forty members and guests attended the March meeting. Heres what happened.

Barry, KU3X reported for the Activities Committee showed off the DLARC WAS Certificate. It will be a welcome addition to any Ham Shack wall. The plaque which will be given to the first recipient of the WAS award was also shown. It certainly is somthing to get us operating - and fast. Barry also told of a local tragedy involving a Bethlehem woman and a CB antenna. The woman sustained very severe injuries resulting from electrocution. It should serve as a reminder to all of us to take extra precautions to insure safety when working with antennas, especially around power lines.

The IC-2ATs and and accessories have arrived and memorial plates are being engraved in memory of Bruce, KB3LF.

From the technical committee, Don W3LR reported that the new repeater antenna had arrived and would be put up soon. (Was installed on March 7)

Ken, KA3EED reported from the Public Relations/ News/ Jack of all trades/ Committees that we received a thank you note from the Nittany Amateur Radio Club for again sponsoring a trophy in the 1986 PA QSO Party. A motion, second and approval was given to sponsor a trophy in the 1987 PA QSO Party. He also announced that the suggestion box is now operational and located in the radio room. Suggestions may be placed in the top drawer slot. The drawer will be kept locked.

From the Social Committee: Spouse Appreciation Night will be held March 21. Roy KA3MNY will be the organizer and main chef. The time for the annual club banquet is fast approaching. A chairperson was being sought.

From the Program Committee/VE Program: Bob, W2CCE reported a new VE schedule is being made. An attempt to have examiners attend only 2 or 3 times a year is being made. With a larger pool of examiners, (which means we need more examiners to register) the same examiners would not need to be present every month.

Other Business: Blair, K3YD reported having received $50.00 in contributions for the "SARA Fund". Contributions were being accepted after the meeting also. Twelve Road Atlases were sold resulting in a $60 deposit to our treasury for the effort. Thanks to Blair!

A discussion was had on the possibility of having the monthly programs before the

business meeting. No vote was taken. Any thoughts? Let us know!

A motion was made to allow our newsletter staff to join Compuserve for an average of $10 a month. The motion was seconded and approved, after some discussion.

A new ARRL pamphlet is available for friends and neighbors explaining "What is Ham Radio?" We had 25 copies. Ask for one at the next meeting. If more are needed, you may send to the ARRL for additional copies.

Bob, W2CCE reported that during 1986 only 6 complaints were received nationally on cable leakage. If we want the cable companies to clean up their act, we have to let them know it! ARRL form letters will be available at the next meeting for anyone interested.

That's it for this month.

de Diane NB3L (exVP2MW)

SPRING
by Charlie, WA3RSQ

Spring is the season of the year comprising the transition from winter to summer: the vernal season, during which the sun is approaching the summer solstice. Astronomically, spring is the period extending from the vernal equinox, (the time the sun approaches the opposite hemisphere, from northern to souther, this occurs approximately on March 21). to the summer solstice around June 21. Some of the signs of spring are: the days are progressively becoming longer, with the earth continuing its journey around the sun, the sun appears earlier each morning and sets later each evening. Spring is a beautiful time of the year, a time for renewal, awakening, rebirth, the winter is over and now we can look forward to milder weather, or can we? Unfortunately, along with spring come severe weather in the form of thunderstorms, tornadoes, high winds, heavy rains and spring floods brought on by the spring thaw of winter snow. Remember your Severe Thunderstorm and Tornado Safety Rules... also relay your severe weather reports to the National Weather Service, and stay tuned to the NOAA Weather Radio, 162.400 mhz, broadcasting from the ABE Airport 24 hours a day with the latest weather information on watches and warnings. Have a great Spring...

Editors note: Charlie is a member of the National Weather Service Station at the ABE airport.

FROM THE OLD MAN
by Clarence W3PYF

The returns of applications to the new EMA organization has been superb. Over 125 have been received at Northampton County EMA headquarters and in a short time, cards will be mailed to all who applied. If you did not get an application, or lost the one you received, contact me and I will see that you get one. There are now a new set of NET CONTROLS added to the network which of course meets on Sundays at 900 hrs. and Mondays at 1900 hrs. This summer we will not cease operation, but will continue the call ups. Make it a habit to call in and find out what is going on. Attendance has been great in these sessions with 60 to 70 stations calling in for each drill. You will find that the list has been trimmed to cut the call up time, and stations who have been regular will be called alphabetically by suffix of their call. If you are not called in sequence it is because you have not been regular (attendancewise). If you become active in the call ups, you will be added to the revised call ups at the beginning of May. Added net controls will be KB3RI, WA3BOM, WB3IFV and KA3MNY. They join WA3ENE, KR3U, KC3II, KA3EED, W3FYK, K9TBD, And the old man W3PYF. This should make it a lot easier, and everyone will know who is net control on what week.

Of interest to all users of .70 is the fact that the new antenna has been installed and is making a big difference. An attempt will be made to repair the old antenna, and it will be kept as a spare for the repeater, or other club uses. Members of the club, take note, on May 2, there will be a seminar on Emergency Management Services at the Northampton County Community College. This will actually be training for directors and other members of the Emergency Management system, run by the State of Pennsylvania Emergency Management personnel. If you are interested in attending, this very informative program on EMA, call Mr. Nick Tylenda at 759-2600 days. Attendance will be allowed on a first come, first serve basis up to the capacity of the class.

Diane, NB3L and I took the course last year and it was very informative.

<W3PYF>

****

With spring coming, and everything ready for the new antennas, you may be interested in the Chart below, which I downloaded from the KB3UD Packet Bulletin Board. It was

compiled by WB3BJU.

Clarence W3PYF
TRANSMISSION LINE LOSS TABLE
FOR COAXIAL LINE

(all values are DB per 100 feet)
Frequency in mHz

Cable type RG/U	10	50	100	200	400
6A	.04	1.90	2.70	4.10	5.90
8,8A,213	.55	1.30	1.90	2.70	4.10
Belden 9913	**	.64	1.00	1.60	2.50
Belden 9914	**	1.10	1.60	2.40	3.50
Belden 9888	.60	1.20	1.70	2.70	4.20
Belden 8214	.60	1.20	1.70	2.70	4.20
8X	1.10	2.50	3.70	5.40	8.00
9,9A,9B,214	.66	1.50	2.30	3.30	5.00
11,11A	.66	1.60	2.30	3.30	4.80
14,14A,217	.41	1.00	1.40	2.00	3.10
218,219	.24	.62	.95	1.50	2.40
Belden 9915	**	.60	.80	1.20	1.90
34,34B	.32	.85	1.40	2.10	3.30
55B,223	1.20	3.20	4.80	7.00	10.00
58	1.25	3.15	4.60	6.90	10.50
58A,58C	1.40	3.30	4.90	7.40	12.00
59,59B	1.10	2.40	3.40	4.90	7.00
62,62A	.85	1.90	2.70	3.80	5.30

** -- No data available

****
OBSERVATIONS
by A.Y.O.T

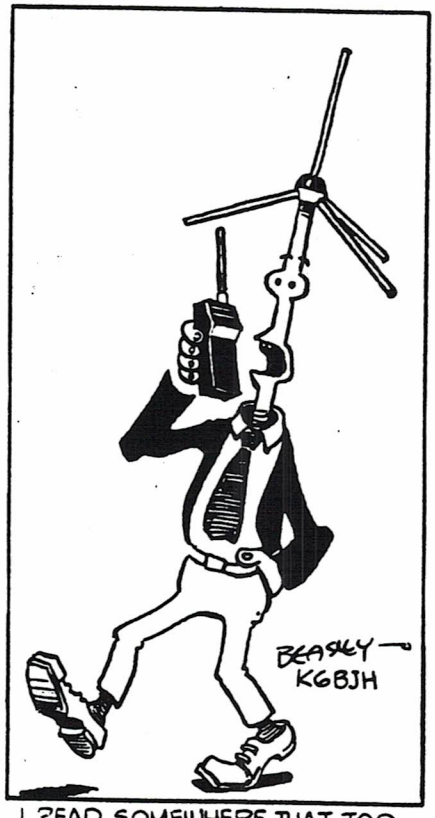
Overheard on a local repeater, following a general discussion by 3 electronic whizzes relative to technical circuit analysis, with particular emphasis on 'time constants'.

"This is AB3C and as a result of listening to this discussion, while sitting in the little room down the hall, I need help that this group may be able to give me. I feel that I understand the implications of the term 'time constant', but in case I'm wrong, feel free to correct me. Time constant is probably relative to, or parallel with constant time, which I feel equates to 60 seconds = 1 minute, 60 minutes = 1 hour, 24 hours = 1 day, etc.

Now you must realize that since I'm retired it might be expected that I would have lots of time. But this is not the case. Therefore if you have a means of changing time constants, I'm very interested. Understand, I don't want to be a pig about it, but if we could make the day last 27 or 28 hours I would sure appreciate it."

APRIL CONTEST CORNER
by Barry, KU3X

April 4-5	North American QSO Party, CW GARTG SSTV Contest (part 1) Connecticut QSO Party CRRL QST QSO Party IBM QSO Party
April 8-10	DX YL to NA YL CW W1AW Qualifying run
April 11-12	North American QSO Party, SSB CARF Commonwealth, Phone CRRL QST QSO Party, Phone GARTG RTTY Contest (part 2)
April 13	Spring Sprints (144 mHz)
April 15-17	DX YL to NA YL SSB
April 25-26	Swiss "HELVETIA" contest
April 26	W1AW Qualifying Run
May 2	Utah QSO Party



I READ SOMEWHERE THAT TOO MUCH OPERATING ON A RUBBER DUCKY MIGHT HAVE AN ADVERSE EFFECT ON YOUR HEAD---ISN'T THAT RIDICULOUS?

WE GOT TO DO IT
by Clarence W3PYF

With the preparation of FCC Docket 87-14, the docket that will take away the 2 Megacycles of the 220 band, it is imperative that every member of the club as well as the club itself MUST protest to both the FCC and every congressman or senator they know. Much of this material was downloaded from Compuserve and it is pretty well spelled out.It is important that you send 11 copies, not 5 as previously announced. It is important that you write in your own words, not those of someone else. If you cannot write the letter to the FCC and the congressmen from your area, at least send a QSL card to your Senators and Representatives with a note asking them to vote against and fight against this proposal. When writing your letter, use these suggestions as the basis of your letter. Remember, this is not just a fight by 220 MHz operators to save an amateur band. This is a fight to save Amateur Radio spectra in general. This is the first time in over 30 YEARS that Amateur Radio has been threatened with the loss of a band due to unilateral action of the FCC. If they think they can get away with it, the sniping will extend to 420-430 MHz nationwide, then 40 meters, then 20 (does that get your attention?) In your comments, please capitalize the term "Amateur Radio", and do not use the term "ham" in any way. Remember that the Citizen Band uses capital letters, is it not also fitting for this, an even better use of the spectrum, to do the same? Conversely, I suggest the use of the term "landPNP
1 mobile industry" (no caps), throughout the comments since, at this juncture, it is unclear whether land mobile should be considered a service. NOW, the reasons to present for not passing GENERAL DOCKET 87-14.

1. Technical reasons.
   A. Not enough Spectrum space in that small 2 MHz to satisfy land mobile, but would hurt Amateurs badly.
   B. Local Oscillator interference from viewers of TV Channels 7 and 10
   C. Local Oscillator interference from listeners to FM Broadcast stations.
2. General reasons.
   A. The Commission's NPRM refers to the ARRL Repeater Directory, and states that repeater loading in the 220-222 MHz would have minimal impact. The logic in the NPRM is faulty in that the directory itemizes repeater listings by band as follows: 4 pages in 29MHz band. 7 pages in 52 MHz, 172 in 220MHz 63 in 432, 1 in 902 and 2 in 1240 or above.
   B. The number of pages is shown, rather than the number of repeaters. The commission chose, in the NPRM to compare only against the 144 MHz band, and drew the conclusion that loading of the 220 MHz band is light, and therefore can be eliminated. C. In the comparison to 144 MHz, it must be remembered that most of the 144 repeaters are public repeaters and the band is over-loaded. Many of the repeaters in the 220 and 450 band are private, and as such although coordinated would not be listed. D. The commission has overlooked the present, and planned use of the 220 MHz band for packet radio "backbone" interconnection. E. Packet radio is now the fastest growing mode of Amateur Radio operation. It is estimated that there are now over 20,000 amateurs now using Packet radio and it must be considered that the use of the 220 band to forward traffic will only increase within the next few years.
3. Assessment of wisdom of putting Novice ops on:
   A. 6 meters--TVI
      2 meters--overcrowding (compare to allowing novices on 20 meters)
      450-- too many private, control and link frequencies.
902-- a. too new to be developed.
      b. danger of RF heating at HT power of 5 watts needed for

repeater use.

c. danger of RF heating at HT power

B. FINAL ASSESSMENT: 220 IS IDEAL FOR NOVICES.

I have listed only a few of the arguments, I have many more and documentation to back it up, and will be glad to supply to any of you who will take the time to write to the FCC. It is important, and I have the form that should be used. Many of us have the computer and program for letter writing, lets have a large show of paper to the FCC from DLARC.

In the wake of the current 220 mess, I've seen some questions on the how-to, submitting comments to the FCC. The sample format following is one that has been used successfully for a few years and may be of help to those new to the process. There are really no hard and fast rules on format, however, a bit of formality has a way of making the argument more credible. I hope this will be helpful in the quest for saving 220 and in future cases.

The strongest and most influential comments are those that lay out logical, pointed and technically accurate arguments addressing the specific points brought up in the FCC action. It pays to have a copy when preparing you comments! The comments that are N O T needed, are those that make reference to the Commission's lineage, mental competency and things of that nature! Just stating that you don't like a particular FCC proposal is not the answer.

The original and 11 copies, all signed, should sent to the Commission at the Washington DC 20554 address with the docket number clearly marked on the outside of the mailer. The Deadlines are important. If you really need more time to prepare a good comment, Put in a brief one meeting the deadline and send in the fully developed one as a reply comment or as additional information.

==========

SAMPLE FORMAT:

Before The
THE FEDERAL COMMUNICATIONS COMMISSION
Washington, DC 20554

In the Matter of:

Amendment of Part 2	)	General Docket No. 87-14
of the Commission's Rules	)	RM-4829
Regarding the Allocation of	)	RM-4831
the 216-225 MHz Band	)	RM-4983

To: The Commission

COMMENTS

The first paragraph should be used to establish who you or your organization are. Add anything that will strengthen the message that follows, such as the number of club members, geographical area served. If you are an individual, perhaps your technical qualifications and/or experience will help.

The second paragraph usually sets the stage with background and an outline of your position. Referencing the Known position of others (the ARRL or other organizations) can help to show the unified stance of amateur radio or conversely, the unified stance of the opposition. The argument itself may be part of this paragraph if not too long or may follow in as many pages as needed.

The final paragraph should summarize your position and clearly state what you

want the Commission to do. (no, not in those words!)
On long documents, you may consider a summary as the second paragraph, with the final paragraph as the suggested FCC action.

Respectfully submitted,

name or name of club

address

_____
Signature and title

date

****

A LOCAL CONTEST TO PROMOTE MORSE CODE - K9TBD 3/87

(THIS IS A GENTLE-PERSONS CONTEST)

SATURDAY AND SUNDAY
MAY 9 NOON TO MAY 10 NOON, 1987
146.775/175 REPEATER - 146.775 SIMPLEX IN CASE OF REPEATER FAILURE

SUBMIT YOUR LOG (OR PHOTOCOPY) AND SKETCH OF YOUR SETUP (RIG, ANTENNA, KEYING, TONE GENERATION, ETC.) BY JUNE 1, 1987 TO:

JOEL A. B. ELSTON, K9TBD
3601 SOUTHWOOD DRIVE
EASTON, PA. 18042

OR GIVE IT TO ME AT A CLUB MEETING AFTER THE CONTEST IS OVER.

THIS CONTEST IS INTENDED TO PROMOTE CW ACTIVITIES AND INCLUDES NOVICE TO EXTRA. THE CONTEST RULES WERE DEVELOPED BY A GROUP OF ENTHUSIASTS IN THE 'MEETING AFTER' THE MARCH DLARC MEETING SO IF THERE ARE ERRORS IN THE RULES WE APOLOGIZE.

THE INTENT IS TO PROMOTE CW ACTIVITY AND EXPERIMENTATION. THE CONTEST WILL BE HELD THROUGH THE 146.775/175 REPEATER SO SOME OF THE STANDARD CONTEST RULES HAD TO BE ALTERED A BIT! SINCE NOVICES CAN NOT TRANSMIT ON TWO METERS SPECIAL 'LISTENER ONLY' RULES HAD TO BE INVENTED. REMEMBER, YOU MUST BE LEGAL, READ THE REGULATIONS.

RULES:

RULE 1: NO ELECTRONIC METHOD OF CW KEYING OR RECEIVING IS ALLOWED. STRAIGHT KEYS AND BUGS ARE OK!

RULE 2: ONLY 146.775/175 WILL BE USED. "IN CASE OF REPEATER FAILURE" USE 146.775 SIMPLEX.

RULE 3: NO MORE THAN 10 (TEN) CONTACTS PER HOUR WILL BE ALLOWED. THIS GIVES EVERYONE A CHANCE AT THE REPEATER.

RULE 4: MINIMUM TIME BETWEEN CONTACTS IS 5 (FIVE) MINUTES. THIS ALSO ALLOWS OTHERS TO MAKE CONTACTS SO THAT NO SINGLE STATION WILL MONOPOLIZE THE FREQUENCY.

POINTS:

NOVICE

1: SUBMITTING YOUR LOG IS WORTH 50 (FIFTY) POINTS.

2: EACH QSO YOU COPY PROPERLY IS WORTH 5 (FIVE) POINTS. YOU MUST COPY BOTH CALLS AND THEIR RESPECTIVE SEQUENCE NUMBERS.

TECH AND ABOVE

1: FIRST CONTACT IS WORTH 100 (ONE HUNDRED) POINTS. HERE IS THE INCENTIVE TO FIGURE OUT HOW TO GET ON THE AIR.

2: EACH CONTACT (AFTER THE FIRST) IS WORTH 10 (TEN) POINTS.

3: EACH QSO YOU COPY (BESIDES YOU OWN) IS WORTH 2 (TWO) POINTS. THIS IS INCENTIVE TO LISTEN. YOU MUST COPY BOTH CALLS AND THEIR RESPECTIVE SEQUENCE NUMBERS.

THE ABOVE RULES PUT A LITTLE MORE BURDEN ON THE TECH AND ABOVE AS THEY HAVE TO KEEP TWO LOGS - ONE FOR QSO'S AND ONE FOR SWL INFORMATION, THE NOVICE ONLY HAS TO KEEP ONE LOG OF CONTACTS COPIED.

EXCHANGE DATA:

1. SEQUENCE NUMBER
2. CALL SIGN
3. NAME (THIS IS A GENTLE-PERSONS CONTEST)
4. RST - THIS WILL GIVE THE OTHER STATION AN INDICATION IF THEIR TRANSMISSIONS ARE ACCEPTABLE: READABILITY, SIGNAL STRENGTH, AND TONE.

AWARDS:

AN AWARD WILL BE FIGURED OUT FOR AS MANY THINGS AS POSSIBLE AND PRESENTED AT A CLUB MEETING AFTER THE CONTEST. BEST OPERATOR, BEST FIST, MOST INNOVATIVE INTERFACE, BEST SETUP, CLEANEST SIGNAL, HIGHEST SCORE, HIGHEST NOVICE SCORE, NOVICE THAT COPIED THE MOST (CALLS, NUMBERS, RST'S, ETC), FIRST NOVICE TO UPGRADE AFTERWARDS. WE'LL FIGURE OUT SOME INNOVATIVE AWARDS!

SAMPLE LOGS:

SWL LOG

INDEX	CALL	NUMBER	CALL	NUMBER	TIME
1	K3ABC	3	WA2CBA	15	1353
2	N3CX	5	KU2V	2	1354

QSO LOG

INDEX	CALL	NAME	NUMBER	RST	TIME
1	W1AB	JOHN	7	597	1202
2	N3ZZ	RALPH	4	599	1207

HOPE THAT YOU HAVE FUN!!!! - DE JOEL, K9TBD



***

ALGERIA - 7X2LS and 7X2ST are frequent participants in the W7PHO Family Hour on 14,226.5 KHz anywhere from 1700 to 2000 UTC. QSL to their CBAs.

***

ANDAMAN/NICOBAR IS. At presstime, part of the group at VU4APR was finally preparing to proceed to the adjacent Nicobar Islands where they will sign VU4NRO. A new operating schedule was aired as follows: 3695 QSX 3802 KHz at 0001 UTC, 7088 at 1130 UTC, 14,200 QSX 14,220 KHz at 0100 and 1400 UTC, plus 21,200 and 28,500 KHz when those bands are propagating.

***

AVES I. - 19-22 March. 4MØARV (the 1st-time use of the 4MØ prefix) is a DXpedition celebrating the 20th Anniversary of the Association of Radioamateurs of Venezuela. Intended frequencies are: cw-25 KHz above the low ends of 10 - 160, ssb on 3595, 7095, 14,195, 21,295 and 28,595 KHz QSX as announced. They'll also be shooting for records on 144.090 MHz. For a commemorative card, QSL to: 4MØARV, P.O. Box 3636, Caracas 1010-A, Venezuela.

***

BOTSWANNA - 21-31 March. VE3FXT and ZS4PB expect to receive an A25 callsign on their arrival. They will try all bands with cw and ssb, emphasizing 80 and 160. George has applied for - and says he is hopeful of receiving permission to operate on Marion Island in April. QSL to the home CBA of VE3FXT.

***

CARIBBEAN - W1SD will sign /V44 on Nevis I. 22-28 March and /VP2M on Montserrat 29 March thru 3 April. CW: 25 KHz above the low ends of 15 to 80. The ssb frequencies: 3790, 7190, 14,190 and 21,290 KHz. QSL via W1SD.

***

CHATHAM I. - ZL7DE and ZL7TZ take turns on 7004 QSX 7010 KHz from 0600 UTC.

***

CHINA - BY1PK on 14,200 KHz at 0001 UTC and 3795 KHz at 1145 UTC. QSL Yang to: Box 6106, Beijing. ... BY4RB on 14,024 KHz from 0030 UTC. QSL: Box 413, Zhenjiang.

***

COSTA RICA - TI2CC, Trying to satisfy everyone's requirements, runs daily skeds on 1842 KHz from 0200 UTC and on 3795 KHz from 1145 UTC. QSL Carlos to Box 7370, San Jose 1000, Costa Rica.

***

GLORIOSO - FR/G/FH4EC is in Snooky's Net on 14,183 KHz most days from 1800 UTC. As we type this, Daniel is announcing his QSL Manager as F6FNU.

***

LORD HOWE I. - VK9LGE is near 14,023 KHz from 2230 UTC. At that time he announces his upcoming skeds on the other bands. QSL via OE1ZL.

***

MACQUARIE I. - VKØGC is near 3999 KHz daily from 1000 UTC. QSL via VK9NS.

***

MEXICO - 28-29 March. XE2GAU by N6ADI and his So. Cal. team will be an entry in the CQ WW WPX SSB Contest on all bands. QSL via N6ADI.

***

SAUDI ARABIA - HZ1AB has resumed a daily schedule of an hour or two of cw in the bottom 5 KHz of 7 MHz from about 0030 UTC. QSL via K8PYD.

***

TAIWAN - BV2B is often on 14,200 KHz QSX up a few KHz from 0001 UTC. QSL: CBA.

***

THE GAMBIA - DK7PE is scheduled to pick up his C5 license when he arrives on 16 March. His agenda will have him in the Senegal, 6W, on or about 23 March.

***

TROMELIN I. - Now thru 3 April. FR5AI/T promises 20 and 40 as starters, with more bands as other antennas are erected. QSL Yoland to his home CBA.

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.

****

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

****

1987
CLUB OFFICERS

President - Bob Kratz.....KU3K...866-5879
Vice-President - Bob Dickinson..W2CCE..967-1393
Secretary - Diane Smith.....NB3L...863-5698
Treasurer - Robert Mulrooney....KB3RI..253-7710
Trustee - Rick Saeger.....K3OO...863-4971

****

BOARD OF DIRECTORS

Don Curtis.....W3LR...282-4459
Ken Field.....KA3EED.759-6306
Barry Kery.....KU3X...691-8888
Clarence Snyder.....W3PYF..252-2109
Norm Zoltack.....K3NZ...799-4044

****

NEWS STAFF

Editor - Ken Field.....KA3EED.759-6306
Co-Editor - Clarence Snyder.....W3PYF..252-2109
DX Column - Norm Zoltack.....K3NZ...799-4044
Circulation - Dick Peischl.....KC3CR..759-0294
Digital Column - Joel Elston....K9TBD..252-1515
Mailing List - Clarence Snyder..W3PYF..252-2109
Printer - Norm Zoltack.....K3NZ...799-4044

****

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

****

Any comments or articles contributed to this newsletter should be addressed to:
KEN FIELD
5632 SULLIVAN TRAIL
EASTON, PA 18042

DELAWARE-LEHIGH AMATEUR RADIO CLUB, INC.

NEWS

RD #4
GREYSTONE BUILDING
NAZARETH, PA
18064

LEHIGH VALLEY PA
MAR 30 1987
P M
18001

ALWAYS USE ZIP CODE
USA 22

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

01/01/88

Amateur Radio News Service