THE DELAWARE-LEHIGH AMATEUR RADIO CLUB, INC.

NEWS

RD #4
GREYSTONE BUILDING
NAZARETH, PA
18064

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** NOVEMBER 3 ** 1988
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"WAIT FOR THE BEEP--BEFORE YOU SPEAK"*******"WAIT FOR THE BEEP BEFORE YOU SPEAK"
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ACCELERATORS, AND YOU THINK YOU'RE FAST!

Don Jennings, K6QDT, of the Varion division of GEC will talk at the club meeting on Thursday, November 3rd on the use of high speed generator accelerators and how they are used in the manufacture of semiconductors and integrated circuits.

Don, who lives in the Slatington area is and engineer with Varion. Come hear about the latest in high tech. Bill, K3ANS has again arranged for a super program.

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NEW OFFICERS

At the last meeting the following were elected to head the Delaware-Lehigh Amateur Radio Club for the coming year.

President...Clarence Snyder W3PYF
V-Pres.....Ray Bilger W3TDF
Secretary...Michael Schooley NQ3D
Treasurer...Roy Buss KA3MNY

Board of Directors are as follows:

Blair Bates..... K3YD
Rivo Bartolocci.. W2SPK
Bill Goodman..... K3ANS
Tony Lazzara..... N3CVH
Bob Kratz..... KU3K

That's it for this year, if you have anything to bring before the board, use the phone numbers on the back of this newsletter.

CHECK THE TOP LINE!

At the suggestion of Tony, N3CVH I have started the quote at the top of the newsletter. "WAIT FOR THE BEEP BEFORE YOU SPEAK"..There has been too much stepping on top of stations who want to break on our repeater. To me, your editor, it sounds good. de W3PYF

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CLUB MEMBERS TO THE RESCUE

IT WAS A DARK NIGHT, PAST 11 O'CLOCK AND THE ROAD WAS DARK. THEN IT HAPPENED! The car was leaving the lonely and little traveled Route 534 near Jonas, when WB3KRL's car was finally coming to a stop on top of a drainage culvert, he heard the unmistakable sound of concrete scraping his gas tank. Teetering on their precarious perch, Dave and his passengers froze and sat motionless in their seats. No cars were in sight and hope dwindled for seeing the warm glow of approaching headlights. Hope for the subsequent help on this road gradually disappeared. With little hesitation he reached for his 2 meter rig and on 146.70 called "MAYDAY".

Three members of DLARC were monitoring, N3IK, KC3SM, and N3FNW. They assured the frantic occupants that help would soon be on the way. With the help of KA3MNY, who got on the phone, help in the form of a tow-truck calmed their growing anxiety. Once again, Amateur Radio at work proves that "Service is our middle name".

PREZ SEZ
by Clarence W3PYF

First thanks to all who felt that they wanted to see me be your president. I know that there were many who came to the meeting just to help make that happen. I will try to make your confidence in me show some good for the Delaware-Lehigh Amateur Radio Club.

First, I want to ask all of you to help. This is not just the Board of Directors or a Clique running this organization, this is 230 or more members who feel that they want to be associated with an organization that has been in continuous operation since 1945.

I have no set ideas as to what I want to do, I want to have you tell me what you want from the Delaware Lehigh Amateur Radio Club and what you are willing to give as well. We, as all of you know, have one of the prime repeaters in the area, lets give it a break and help by policing it and ourselves in its use.

We will soon be coming to our main money making raffle, get behind it, sell your tickets so that we can keep the services and the activities of our club going, without a large dues increase.

The repeater needs some work and I am going to ask for some help in keeping this in good operating condition. We will appoint committees to do things, and not expect just a few to do it all...Its our club, not my club..THANK YOU in advance. de W3PYF.

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MNY TALKS
by Roy, KA3MNY, Secretary

With president KU3K absent, Bart, W2SPK asked K3YD to preside over the meeting. The minutes of the meeting of the previous meeting were dispensed with due to the printing of the total report in the newsletter. The treasurers report was read and approved. Two new members were proposed for membership. N3DMI, Allen and N5CPO Richard. Their memberships were approved unanimously.

With no objection from the membership, the normal business was suspended and the election of officers took place. While the ballots were being counted, the meeting continued.

W3PYF next reported on the problems with the emergency *1 number. It was shut down because of misuse by an unidentified person. Because of this when an emergency was witnessed by a non-club visitor to the area, in which a woman was hit by a car, no member could help with the *1 and no one on frequency knew the telephone number which is 759-2600. The emergency number has been returned to operation after a discussion with county operators, who felt that in spite of the abuse, to keep this from happening, they will take their chances.

It was recommended by Blair, acting president, that any member who hears any call on the auto-patch by anyone who does not identify first, hang it up! But then identify yourself and help with the call if it is an emergency.

W3TDF reported on the PA QSO party plans and this was followed by a Banquet committee report. Two places are being considered. The Riverton Hotel and the Candlelight Inn. He asked that anyone having any opposition to either to please inform the committee. One statement from the membership was that they had been to both and preferred the Candlelight.

Forms for the PA QSO party were available at the meeting.

The election committee then announced the election of the following for the coming year. W3PYF, president; W3TDF, vice-president;NQ3D, Secretary; KA3MNY, treasurer. Board members include: W2SPK, N3CVH, K3ANS, K3YD and past-president KU3K.

The nominating committee was congratulated for doing a fine job in getting nominations and running the election in fine order. Blair announced that the application has been sent for our club Special Service Club by the ARRL. The new badges will go into production soon as W3PYF and W3TDF can get together and work on them.

The new novice class has begun and is being held at the College Hill Moravian Church, Laurel St., 1/4 block off of N. Main Street in Bethlehem.

W3PYF introduced Nick Tylenda who spoke to us and presented a program to define for us the responsibilities of the Northampton County EMA Control Center.

de KA3MNY, retiring secretary

PA QSO PARTY RAMBLINGS
de Ray, W3TDF

Well now that it is history, I wonder if we, DLARC, made history? We had 5 'DXpeditions' from the club, all of who apparently did well. Club activity was better that last year, even though a little short of my expectations. I personally worked 26 club members, and missed at least 7. My guestimated club aggregate is slightly over 1 million points, which is almost double last years, and if other clubs did not improve move than 10%, we will move up from 9th to 4th in club standings. Special mention to K3ANS, who returned early from a hunting trip, and knocked em dead with 1200 plus Q's and a score of more than 150K!!! How about N3EOP on QRP (x2) bring in better than 60K!! And, also W3PYF, who had to leave town Sunday on an assignment, so he worked 42 Q's mobile from 5 different counties on 40 meters. Personally I enjoyed the weekend, and the other DXpeditioners voiced similar sentiments, as well as many newcomers to contesting. We missed 4 of the potentially high scoring members, who, for one reason or another, were unable to join the fun. Oh well, there is still next year.

The Nittany Club, which runs the PA Party requests 50 cents with each log entry. Lets show them, with just a little extra, how much we appreciate the monumental work load they have in this project, by sending a dollar. Better yet bring your log/dupe/score sheets to the next meeting, or send to me, with a dollar. We will mail them all together and remit the balance of what is left to Nittany.

Tell the non-participants how much you enjoyed it and get them motivated for next year. Look for me in Cambria, or (?).

73 Ray, W3TDF

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Letter to the Editor:

Dear Editor:

I wish to thank all those that attended the tour of the National Weather Service on September 18th. It was great to have a turnout of 30 people with three coming from as far away as Blue Bell, PA. Six Roosters including myself from the 80 meter Rooster Net attended. Also, I wish to thank Roy, KA3MNY and his wife Evelyn for helping to organize the tour. My wife (GINI) and I enjoyed meeting with new and old friends. I hope everyone had a good time at the tour of the office and at the Glass Terrace Restaurant inthe airport. Again, thanks to all that came.

Best Regards, Gini & Charlie, WA3RSQ

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CONTEST CALENDAR
(courtesy CQ Magazine)

Nov 5-7	ARRL CW SWEEPSTAKES
Nov 11-13	Japan Int. Contest
Nov 12	ALARA (VKYL) Contest
Nov 12-13	European RTTY Contest
Nov 12-13	Oklahoma QSO Party
Nov 19-21	ARRL PHONE SWEEPSTAKES
Nov 26-27	CQ WW DX CW Contest
Dec 1-4	ARRL 160 Meter Contest
Dec 10-11	ARRL 10 Meter Contest

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WEFAX FREQUENCIES

Many of us have the ability to copy weather information from Weather Facimile Frequencies. Below are a few where they can be found, if your Packet TNC can handle this with your program.

Frobirisher, Canada 3235, 7710, 15644 KHz
Halifax, Canada 4271, 6330,10536, 13510 KHz
Boston MA 3242.5, 7530 KHz
Boston MA 3502, 12750 KHz
Norfolk VA 3357, 8080,10865,16410,20015 KHz
Lewes, DE 4223 KHz
Mobile, AL 6852, 9157.5, 11145 KHz
Esquimalt, BC 4268, 6946, 12125 KHz
San Fran, CA 4346, 8682, 12730, 17151.2 KHz
LaJola, CA 8646.1, 17410.6 KHz
Honolulu, HA 4855, 8494,9369,14826,21837KHz
Honolulu, HA 9982.5,11090,16135,23031.5KHz
Kodiak, Alaska 4298, 8459 KHz

Reprinted from Popular Communiations
October 1988.....

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LATE NEWS FLASH, WA3OKD IS NO MORE!

He is not a silent key but has upgraded to extra and now is sporting NS3J. GREAT!

THE LEHIGH VALLEY OWLS
by Dewi, N3FNW

One of the highlights of each evening is the voice coming through our speakers vial the 146.70 repeater which says "Its 0400 ars, are there any hooters out thar? This heralds the opening of a net that reportedly has a listening audience greater than the tonight show. There are usually between 15 and 20 participants ranging from Camden, Warren and Hunterdon Counties in New Jersey and Northampton, Montgomery, Berks, Bucks, Lehigh and Carbon Counties in PA and probably some that I missed. (PA QSO contest, "eat your heart out".) There are also several mobile operators. The net serves many purposes which include of course a little relaxation after, for many of us has been a day filled with the usual tensions that accompany breadwinning. It is somewhat mind altering since it provides the change of pace needed for a a restful night without ingesting chemicals into our systems. Mobile stations check in and often tired drivers are kept alert and have the comfort of knowing they will have company should they encounter any problems along the way. Some one will usually stay with them until they reach their destination, or leave the coverage area of the repeater.

The conversation is light in nature and very few technical discussions take place. Members of the group for the most part are members of either the W3OK or W3oI clubs although this is not a pre-requisite to belong. The only requirement for participation is a valid FCC license and a 2 meter rig. A scanner will provide the necessary equipment to be an SWL. One of the important functions that is performed is a strong link that ties the two clubs together. Many members of the group have joined one or both clubs and are supportive of all activities of both clubs. Without a doubt we are all grateful to the Delaware Lehigh Amateur Radio Club for the use of their repeater.

Preston Schuler, W3VQ has been master of ceremonies (Net or maybe Nut Control) if you prefer since the inception. Pres is a member of the W3OI club and has the ability to stimulate all of us for the good of amateur radio. His wit and humor, the ability to take it as well as dish it out are probably a strong part of the success of the net.

New check-ins are always welcome. All you need is a sense of humor and a cat. (sorry Pres, I just had to add that). If you want to set your clock, just turn your rig to the W3OK repeater on 146.70 and wait. When you hear "it's 0400 ars, are there any hooters out thar?" it will be exactly MIDNIGHT.

Editor's note: Dewi N3FNW is a new member of DLARC..Thanks from all of us for this great tribute to Pres and the gang.

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DE COUNTY CONTROL
by Curt, KA3MOB

For those club members who have not heard trough the .70 repeater, Club member Amy Hester, KA3IJL, began work at County Control as a dispatcher on September 10th. After approximately a month in training, she is now "On Shift" beginning October 17th.

Amy's training began by learning the operation of the equipment, and progressed through methods used in dealing with various types of callers and incidents. Through-out her training it was evident that her Amateur Radio background provided a good foundation for acquiring skills needed to become a dispatcher.

As of this writing it appears that we'll have a 24 hour a day Amy, either on the scanner, or on the 70 repeater.

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FOR SALE

Butternut HF4B Mini Beam, 20-10 meters $125. RTTY/CW/ASCII terminal unit and Software Macrotronics RM-1000 includes software and interfaces for IBM PC and TRS 80-1 $150.; Stereo pre-ampt APT-Hollman $250. Call Howard A#3T 215 395-9716.

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COME ON...JOIN THE ARRL, LETS HELP THEM TO FIGHT FOR US IN THE BATTLE TO KEEP OUR FREQUENCIES. SEE TREASURER ROY, KA3MNY FOR DETAILS.

ARRL PETITIONS FOR EARLY ENTRY TO 17 METER BAND

The ARRL has requested the FCC issue an Order permitting immediate interim use of 17 meters, 18.068-18.168 MHz, by US radio amateurs on a secondary, non-interference basis.

The ARRL said that US amateurs have been waiting for the opportunity to use the band since the results of the 1979 WARC were announced nearly 10 years ago. The rapid rise in the current sunspot cycle is "providing significant opportunities for worldwide communications in the 17-meter band" and amateur interest in using this band is high.

The FCC has already reallocated the band to the Amateur Radio Service on a primary, exclusive basis, effective July 1, 1989. Until that time, the band remains an alternative allocation to the Fixed Service and some government stations are still operating there. FCC has initiated PR Docket 88-467 to develop permanent rules for amateur use of the band.

In support of its request, the ARRL said that the large number of amateurs from more than 60 other countries already operating on 17 meters has shown that immediate US amateur operation "would cause no significant additional interference" to the few, if any, remaining government stations still using the band.

The ARRL also argued that "failure to provide early access to the band will preclude propagation studies covering an entire sunspot cycle, thus deferring research for a great number of years. As each sunspot cycle is unique, some work would be precluded entirely unless immediate access to the band is permitted."

According to the ARRL request, amateurs would follow the FCC suggested band plan of 18.068-18.110 MHz for digital and CW emissions, and 18.110-18.168 MHz for CW, phone, facsimile and television emissions. Furthermore, if deemed necessary by the FCC, the ARRL would not object to an interim power limitation of 200 watts output.

Reprinted from ARRL NEWSLETTER

FROM THE OLD MAN
by Clarence W3PYF

What a weekend, and I talk of the weak end that some of our members had at the conclusion of the 8th and 9th of October.

With K3ANS well over the 1200 QSO mark and many of the other members, working I am sure that we will be proud of the work of our DLARC when the scores are in at the end of the contest.

I think that all of us should thank Ray, W3TDF, for his "gentle" persuasion in getting all of us in the mood. Did I say gentle? Sure did miss the dulcet tones of W3TEB and W3LR though..Oh well, maybe next year.

For those of you on packet radio, you can check W3PYF-3 packet BBS 24 hours a day for any DLARC news, Brownie, with his board W3CJI-3 also on 144.97 also carries news of interest to all of our members. Of course when it comes to overall coverage nothing will surpass the information on the WB3DTG BBS, which carries the ability to forward into the National Traffic System.

Tony, N3CVH is already at work as an active member of the Board of Directors trying to keep order on '70. All of us, members of the board or not should consider it <u>OUR</u> repeater, and do what we can to keep it clean and clear. 'Nuf Said!

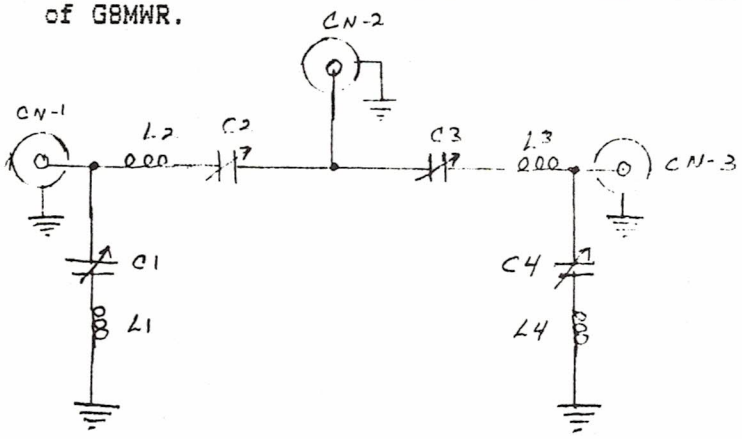
For those of you who are Florida bound this winter, and will be visiting Disneyland, they have a 2 meter repeater on their premises. When you enter the park for the first time, check in at the business offices just inside the main entrance. Tell them you are a Ham and that you have a 2 meter portable. They will explain the use of the repeater (it requires a touch tone access code) and the responsibilities of the Ham that use it.

Memories, memories, the June issue of this newsletter in 1952 had a picture of the new officers on it...President was W3PYF, Secretary was W3OLO, Treasurer was W3QBF, Ed, W2ZVW was one VP and W3CBN, was second VP. .Sure took me a long time to get my job back. By the way, the editor of that newsletter was W3PYF..Does that sound familiar. Meetings were held in the Red Cross Building in Bethlehem. <W3PYF>

144/435 MHz DIPLEXER
by IKE, N3IK

This diplexer will allow you to use one antenna and one feedline to run two rigs. In this case 2 meters and 70 cm.

This circuit was taken from "Practical Wireless" October 88 and is the brain child of G8MWR.



Consider a 2 meter signal coming in on CN-2. The tuned circuit L2/C2 is resonant at 2 meters and having a low impedance, passes the signal to the 2 meter output CN-1. Tuned circuit L3/C3, being resonant at 70cm exhibits a high impedance at 2 meters so stops the 144 MHz., signal from reaching the 70cm output CN-3. On 70cm the opposite action takes place.

Tuned circuit L1/C1 which is connected from the 2 meter output to ground is series resonant at 433 MHz and so any signal at that frequency which manages to find its way through L2/C2 is shorted to ground. Since it has a high impedance off resonance L1/C1 has no effect on 2 meter signals. The tune circuit 14/C4 is series resonant at 2 meters and removes any leakage at that frequency which reaches the 70cm output.

Insertion loss has been measured at 0.1 db on 2 meters and 0.17 on 70cm. Such losses are low enough that for all practical purposes they can be ignored.

Build the unit in a dicast box and choose trimmer caps that are suitable for your power level. Ceramic trimmers should be ok for power up to 20 watts or so. Use air-spaced caps for higher powers.

REMEMBER "WAIT FOR THE BEEP, BEFORE YOU SPEAK".....N3CVH

Adjustment:

Tune the 2 meter rig to a strong signal and adjust C2 for the highest S meter reading. Tune the 70cm rig for a strong signal and adjust C3 for the best S-meter reading.

Now connect the 2 meter rig to the 70cm output on the diplexer and the 70cm rig to the two meter output. Tune to a strong 2 meter signal and adjust C4 for a minimum S-meter reading. Tune to a strong 70cm signal and adjust C1 for a minimum S-meter reading.

To be on the safe side run through the tune up process a second time and reconnect the rigs to the correct outputs.

Parts List:

Capacitors:
C1,3..5pf C2,4 15pf

Inductors:
L1,3 3 turns 20 gauge enam 1/4 inch dia by 1/2 inch long (6mm by 12.6mm in original article.
L2,4 5 turns 20 gauge enam 1/4 inch dia by 7/8 inch long. (6mm by 20 mm in original article.

de Ike N3IK

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WATT IS ELECTRICITY?

Electricity is a colorless, odorless gas which burns with a bright flame. Light grown from a bulb.

An amp is a little animal that crawls along a wire. An amp lives in an ohm. In summer an amp lives in a coulomb. Polarizations is the changing of an ohm into a coulomb.

An ammeter is an animal that eats amps. A battery fires amps round a circuit. An amp rides around the circuit on a megacycle. Megacycles are parked on a grid. Flemmings Right Hand Rule states that all amps must ride their megacycles on the right-hand side of the wire. A charge occurs when all the amps run down the circuit at the same time. All amps meet on an accumulator.

Editors Note: W3TEB sent me this I hope that he has checked all this first! <W3PYF>

DIGITAL COMMUNICATIONS
by Joel, K9TBD

COMPARISON OF DIGITAL COMMUNICATIONS

A bunch of people have been asking about the various modes of digital communications. This is a little compendium of these modes.

CW - the most popular mode: CW is generated by sending dits and dar's. The dits are 1 signal length and the dars are three. Spacing between characters is three units and spacing between words is seven. This unique code was originated by Sam F. B. Morse himself. Other variations are around but the "International Code" is still the most common. Best mode still for bad conditions.

RTTY - Radio Teletype. This mode is an extension of Morse. The dit's and dar's were all made the same length. Five units total. This is much easier for machines to decode. At was popular from the start of Morse until other modes were allowed for Amateurs. This is still the most popular mode on the upper bands such as 10,15, and 20 M.

AMTOR - Amateur Teletype Over Radio. This code was and extension of regular RTTY. Every three characters has a check and if there is an error received, then the receiving station requests a re-transmission of the last set of three characters. In the mode called 'Mode A' the receiving station will not print unless the last three characters have been received correctly. In Mode-B, you print everything. W1AW sends in this mode every night on the assign frequencies.

PACKET - This is the most popular current mode of Amateur digital communications. There are a bunch of boxes available to communicate in this mode. Very easy to interact to your computer - much different than the earlier interfaces between radios and keyers. The transmissions are the same as RTTY, AMTOR, CW and the other digital modes - i.e. Mark and Space. The only difference is that in Packet, longer messages are sent at a time - about 128 characters. In addition to sending the information, a check is sent at the end of the information and that check says, "Receiver - if you get this message right - give me an ACK (acknowledge) otherwise send me a NAK - (the opposite - no-ack i.e. please send again).

Packet is an Amateur extension of the popular X.25 protocol used on the twisted d pair for the past twenty years.

Next mode : Until recently, the FCC has not allowed innovative modes of sending digital information. The past few years has allowed Amateurs to send the above mentioned modes of coding. There are many more ways to aggregate the bits that represent information. We have not been allowed to try them because encryption is not allowed in Amateur Radio. Remember when we could not send ASCII?? That was only five (5) years ago. Now we can send AMTOR, ASCII, and PACKET.

We can use codes which combat our noisy channels in the near future. If you know how bad the channel is (the QRG-QRM), there is an optimal code (not necessarily any that were mentioned above) that will combat the channel error. These new codes can be used and you won't hear any repeats since these codes contain enough information to detect and correct the disrupted message.

Wonder about the communications from afar, such as the messages from a few light -years out - the Mars and other Planet probes, these transmitters are only that a transmitter and cannot receive, thus - you cannot ask the station to re-send a message. You, The receiver must figure out what has been sent regardless of the noise and collisions on the channel. These codes exist today and tomorrow, we as Amateurs, who are interested in reliable communications can use them!

We will have better communications in the future - there is no doubt. Who is enterprising enough to try some new modes and convince the FCC to allow us "Amateur's" to try these new modes?

73's Joel, K9TBD

CAT I. (SHIP ISLAND Group - IOTA No. NA-82) - 21-23 Oct. K5MK will lead a multi-op team including N5FG, WB5PPG and WN5IJZ. 10-80 with cw 25 and 60 KHz above the low ends and ssb on the usual DX frequencies. QSL via K5MK.

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COCOS KEELING IS. - 18 Oct - 1 Nov. VK9YG (possibly AX9YG), mostly ssb on 10-80. He will be an entry in the CQ WW SSB DX Contest on 29/30 Oct. Planned frequencies include: 3640-50, 3785-3800, 7075, 14,195, 21,195 and 28,595 KHz. QSL to his home CBA.

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ECUADOR - 23-31 Oct. Opening from Quito as HC1MD, NE8Z will be active on 10-160 with cw and ssb, plus RTTY and OSCAR. Moving to the San Rafael Valley for the CQ WW SSB Contest, he will be joined by HC1s BI, BVE, HC, OT, PF and others including DXer HC5EA. QSL HC1MD/NE8Z via K8LJG. QSL the others to P.O. Box 8455, Quito, Ecuador.

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MADEIRA I. - 20 Oct-3 Nov. Hannu, OH1XX/CT3 and Martti, OH2BH (CT3BZ) operating on all bands and trimming-up 80 and 160 for "a blockbuster signal" for Martti's entry in the CQ WW SSB DX Contest. Martti promises a contest-related T-shirt to everyone who works him on six bands. QSL via the '88 CBA of OH2BH.

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MAURITANIA - 5T5CK (who, until recently, was signing TZ6CK from Mali) is a regular guest aboard the Family Hour on 21,345 KHz from about 1830 UTC. QSL via DL1HH.

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MOLDAVIA - UA5OAS enjoys his almost-daily activity with the Family Hour on 21,345 KHz from 1900 UTC. QSL Igor to Box 507, Tiraspol 218000, Moldavia, USSR.

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MONTSERRAT - 25 Oct-1 Nov. Dick, K8UE/VP2M and Mike (N8MK) VP2MBK, plan to be on all bands before and after the Contest - but will concentrate on 10 and 15m during the CQ SSB Contest. QSL both via K8UE.

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MOZAMBIQUE - C9MKT announced that his October operating dates will be the 21st, 22nd and 23rd. Watch 14,300-310 and 21,290-300 KHz. QSL via SM5KDM.

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NETHERLANDS ANTILLES - 24-31 Oct. NX4N/PJ2 in Curacao, with ssb on all bands, will be a multi-single entry in the CQ SSB Contest, signing PJ1W. The team includes: N4WW, NS1A, NX4N and WQ4J. QSL via NX4N. ... PJ2FR by N6KT with ssb on 10-160. Rich will be a Single-Op All Bands entry in the CQ SSB Contest. QSL via KI6EZ.

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PACIFIC DXpedition - 15 Oct - 16 Nov. OH1RY and OH2BAZ will begin their all-bands, cw and ssb excursion from Tahiti (FOØ) as graphically displayed herein. Note that they will be independent entries in the CQ WW SSB DX Contest on 29/30 Oct. from FW8 and YJ8 but will otherwise work together throughout the tour. QSL to the respective home CBAs. ... SM7PKK is touring the Pacific thru 30 Oct. Details in Issue 20-88.

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PERU - 14 - 22 Oct. Opening from Lima as NE8Z/OA4, Rick will then spend 17 to 19 October signing NE8Z/OA7 (or OA7MP) at Machu Picchu, the Lost City of the Incas, operating on the site of the Incan ruins with 100-watts to a 20-meter inverted vee antenna. Some ssb on 14,195 KHz but mostly on cw near 14,025 KHz QSX up or down 2 KHz. The first station to answer his first CQ on cw from the historic ruins will be awarded a specially-engraved wooden plaque QSL carved in the shape of the Incan Sun God. A memorable photo QSL will be yours on receipt of your QSL with s.a.s.e. or s.a.e. and two IRCs to the '88 CBA of K8LJG.

YANKEE DOODLING

Ever visit Grandma or Aunt Clarabelle way out in the country? If you did, one of the first things you learned about was the party line. "Two short rings?" "Not for us--that's for the Johnsons down the lane." Need to make a call on a busy line? Grandma said "Flip the receiver twice." Been on the phone for 15 minutes talking to the cute girl you met at the Grange dance? Aunt Clarabelle says firmly, "Other people need the phone, too. Don't be on all night."

There are similar rules on an amateur repeater. It's not surprising 'cause a repeater is like a 250-user party line. Most are common sense, but it never hurts to review some of the "rules of the road" for those who are new or recently returned to repeater operation.

Rule 1 LISTEN FIRST. This is a good idea on any amateur frequency, but especially important on a repeater. Even if you are calling "County" to report a station wagon full of Nuns stuck on a railroad track, listen for a few seconds first. Someone else may already be talking to county about the burning gasoline tank truck out at the explosives plant, and we don't want to interrupt that call!"

Rule 2 LEAVE A PAUSE BETWEEN TRANSMISSIONS. This is especially true on a busy repeater with autopatch like .70. Don't make it impossible for someone to someone to break-into a conversation, or to make a call. That's why we have the courtesy tone; start talking after you hear the "beep," not before.

Rule 3 WHEN NOT TO USE BREAK. To join into a conversation in progress, or to make a call when the repeater is busy, just insert your call during a pause. Example: "So, Bill, did you work the VKØ on 15 meters last night? K3ANS from KU3X." "KA3OEG" "KA3OEG this is K3ANS, go ahead." "Thanks Bill; 'KC3QO this is KA3OEG, over'"

Rule 4 WHEN YOU REALLY NEED THE REPEATER, USE BREAK. This is for times when you have an urgent or time-critical need for the repeater. A couple of examples: "This is what's left of W3PYF" 'BREAK!" "Go breaker" "This is KD3JP for N.C. Control, '*1, etc.'" . . . or,

"Well, guys, we're going over the mountain here at Wind Gap and we'll be loosing the repeater. See you when we get back from the Moose hunt in Canada in 2-weeks. This is W3TDF, 73." "BREAK!!!" "Go breaker!" W3TDF this is KU3K, your xyl just called me on the phone, she thinks you have her only set of car keys in your pocket." [Because this is a family oriented publication. Ray's comments will not be repeated here.]

Rule 5 WHEN SOMEONE BREAKS, LET HER USE THE REPEATER. Please don't say, "Breaker acknowledged" and continue your conversation for five more minutes. How would you like to watch helplessly as a school burned, unable to call county, while two friends decided where to have lunch next week/

Rule 6 DURING NETS, THE NET CONTROL STATION [NCS] IS THE BOSS! Talk to him or her first! Don't try to use the repeater or make a call without NCS's OK. Example: "Continuing roll call, N3EOF from WB3HVT" "This is N3EOF, no traffic" "BREAK!" "N3EOF, roger; Breaker go ahead, this is WB3HVT, ncs" "This is K3EX, I need to call N. C. Control" "K3EX, go ahead." "*1. . .'Northampton County' . . . 'This is K3EX via autopatch, I'm calling to report a house on fire . . . "

From the time that a net is opened, till it is closed by NCS, he runs the show. If you don't like the way he does it, talk with him after the net. His job is to open, run, and close the net as quickly as possible.

Rule 7 THERE ARE VOICE FREQUENCIES OTHER THAN .70. If you think you may be talking for more than a few minutes, consider using one of the other local repeaters. On 2-meters we have 145.11, 145.39, 146.745, &146.775 all here in the valley. Most of these are far less busy than .70 and lack the direct phone link to County. Or, consider Simplex. It works real well, especially between 2 home stations.

Rule 8 SAY IT WITH WORDS. FM is telephone-like with clear reception the rule, not the exception. It's real easy to use words like "NAME" "LOCATION" & "WAIT" instead of "handle" "qth" & "qrx."

APOLOGIES TO

Chuck, KC3SM, who was omitted from the the list of club-member VE's on last month's list.

THANKS TO

All who participated in last month's election by serving on the nominating committee, agreeing to run for office, & voting. On behalf of the 1988-89 Officers and Directors, we thank you for your confidence and trust and will try to do a great job for the club. We appreciate your support & suggestions.

CONTEST OF THE MONTH IS SWEEPSTAKES. This is amateur radio's oldest contest. It's domestic (U.S. & Canada) with ARRL sections being multipliers. There are separate CW and Phone contest Weekend. Each contest starts at 2100 GMT Sat. & runs till 0300 GMT Mon. CW is 5-7 Nov., while Phone is 19-21 Nov. Good luck!

73 de K3YD

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

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

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1989

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CLUB MEETING NIGHT

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

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

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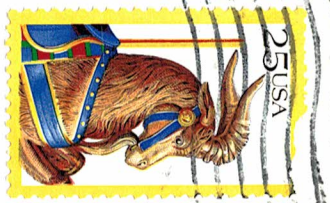

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