THE DELAWARE-LEHIGH AMATEUR RADIO CLUB, INC.

NEWS

RD #4
GREYSTONE BUILDING
NAZARETH, PA
18064

DECEMBER 1986 * DECEMBER 1986 * DECEMBER 1986 * DECEMBER 1986 * DECEMBER 1986 * DECEMBER 1986

WE NEED YOUR HELP

The W3OK Christmas City Special Event Station needs operators. The event will begin at 9 AM on Saturday, December 20 and continue as much as possible until late Sunday. I would like to coordinate operating times as much as possible so that we don't have any blank spots, and also to avoid having 20 people in the Radio Room at one time. I will have a sign up sheet at the December meeting for operators to select their best times. We can all plan far enough ahead to participate in this enjoyable event, so lets make '86 a record year for The Christmas City Station.
de KA3EED

NORTHAMPTON COUNTY ROAD ATLASES ARE STILL AVAILABLE.

The N.C. Road Atlases are still in good supply and K3YD is doing everything humanly possible to make them available to everyone. Including delivery and/or postage expense. The atlas alone is a bargain for anyone who travels the roads of Northampton County, but with the extra service Blair offers, it's hard to turn down. The Atlases cost $15 each and they cover every road in the county. The DLARC receives $5 from the sale of every atlas for our treasury. They will be available again at the December meeting. See Ken, KA3EED at the meeting. If you would like to order by mail, just send a check for $15 payable to the DLARC to:

Blair Bates K3YD
3221 Farmersville Road
Bethlehem, PA 18017

If Blair can't deliver it he'll mail it.

DUES ARE DUE (again)

How many times a year does this club collect dues? Feels like about 3, but it's really only 1. Anyway it's time to renew your membership in the DLARC. There are a multitude of ways to accomplish this task. One way is to mail a $12 check (payable to the DLARC) to our treasurer:

Bob Mulrooney
2402 Butler Street
Easton, PA 18042

Another way is to come to a club meeting and pay Bob in person.

I prefer to pay at the meeting, then I get to see Bobs eyes light up and watch the smoke billow from his ears as he mentally computes the clubs treasury.
de KA3EED

FCC TO ALLOW CREDIT

Beginning December 1st, the FCC is allowing re-examination credit for written elements passed during an otherwise unsuccessful amateur examination, according to an FCC news release. Currently the Commission only allows credit for code examination elements. The FCC also clarified that examiners who administer a Novice examination are not required to issue a Certificate of Successful Completion of Examination (CSCE). Instead, applicants may produce a photocopy of a pending application which indicates the applicant has qualified for a Novice license. These rule changes are contingent upon Office of Management and Budget approval of revisions to FCC Form 610. Check with the VE's for latest information, they will be kept advised by ARRL.
<W3PYF>

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DIANE SAYS

The November meeting of the DLARC found 59 members and guests present. Our second highest attendance this year! Our new club president Bob, KU3K presided and gave us an informative meeting.

It was announced by Bob, KU3K that starting this year, each of the board members would "preside" over our club functions. This doesn't mean that the board members do all the work, it means that they are the ones making sure it gets done. The areas they are responsible for are listed below.

Public Relations - W3PYF, KA3EED
Technical Committee - W3LR
Station Activities - KU3X
Social Committee - K3NZ
Education/Programs - W2CCE

The secretary and the treasurer, because of their monthly duties were not assigned designated areas, but will participate whenever possible. When you return the questionaire that was included in last months newsletter, a list will be compiled of the areas each member checked as the area of interest and forwarded to the board member heading that area.

The Christmas City station will be operated again this year from the Greystone Building. Dates and times will be listed elsewhere in this newsletter.

Raffle tickets and money should be returned to Norm, K3NZ BEFORE the next meeting.

Members were asked for more suggestions for use of the $500 gift from the estate of KB3LF, Bruce. A favorite was the purchase of HT's for the club, which would be available to club members for public service events. Bob, W3GQQ offered them at his cost to the club.

The repeater controller vocabulary will be listed elsewhere in this issue. Members are encouraged to review the list and suggest phrases etc. that could be used on the repeater. Please put the suggestions in the NEW suggestion box which will be located in the club radio room. Any other suggestions regarding club business, activities, or meeting programs are also welcome.

A reminder NOT to use the repeater or autopatch for any sort of business. Several business related calls have been heard during the past weeks. Members bringing down the patch when such questionable calls are in progress are reminded to identify themselves.

The possibility of a club (or even tri-club) auction is being discussed. Let us know your thoughts.

Tony, N3CVH read a letter expressing his concern and displeasure over the Board of Directors decision to loan the clubs TS-430 to Diane, NB3L for her use during a trip to Montserrat. He also expressed displeasure in the article appearing in last months news entitled "Repeater Hogs"

He suggested the board of directors not be allowed to make decisions concerning loaning of the clubs equipment and that the above mentioned article should never have been published.

Concerning the board of directors- A motion was brought to the floor stating that "The board of directors has the right to loan club equipment." The motion was seconded and voted on. Those members voting "yes" were 36. Those voting "no" were 6.

In a board of directors meeting prior to the regular meeting, the board accepted the editor's apology for having published the unsigned letter. The board moved to disallow publication of any unsigned letters or articles in the newsletter in the future, so no action needed to be taken by the membership.

Orders will soon be taken for new club badges. The cost will be less that originally anticipated.

Charlie, KJ3R was collecting PA QSO party logs to submit as our club entry. He will advise us of our totals at the next meeting.

Two new members were welcomed into the club. They were Rlaph Grimm, KB4QMN and Thomas Morganelli, KA3LAM.

That's it for this month.
See you at the meeting,
de Diane, NB3L

DLARC CLASSIFIED ADS

NEW Novice needs used transciever.
CONTACT:Ethan, KA3PZG at 691-1272
between 3 and 5 PM.

All DLARC members are invited to list equipment for sale or FREE boat anchors or EQUIPMENT WANTED ads in this column. Call KA3EED at 759-6306 after 5 PM to list your ad.

PREZ LETTER DEC/86

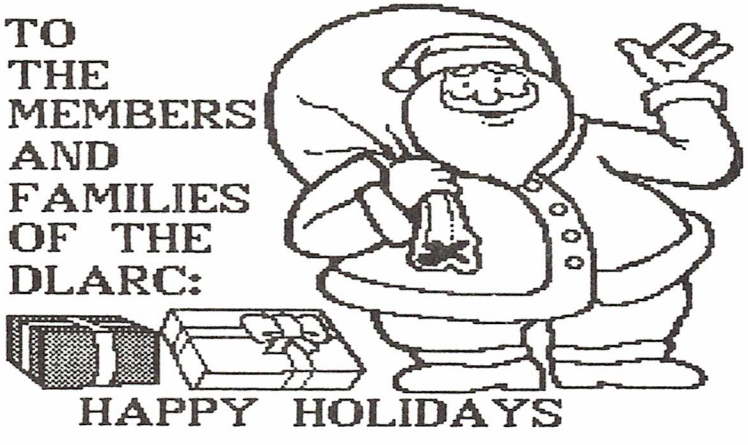
For all of you who missed the November meeting, make sure you read the minutes and the special letter enclosed in this months newsletter. The meeting was well attended and, when the smoke cleared, showed that the D.L.A.R.C. has great strength. No complacency here! The club can only benefit from members who care deeply enough to openly express their opinions.

To date, I have received only 35 completed membership surveys. This means that fewer than twenty percent of the membership has responded! I hope those of you who have not responded will do so by the end of the year. If you plan to attend the December meeting, save the postage and bring your completed form with you. My hope is that membership participation in club activities will greatly increase, perhaps double, during my presidency.

At the end of the year, after all of the completed surveys have been evaluated, committees will be established to govern the various club activities. If you have expressed an interest in one or more area(s) of activity, you'll be assigned -perhaps even asked to chair- that committee.

Please remember that operators are needed for the Christmas City special event station. If you can give just one hour of operating time....CU ?

Hope you had a wonderful Thanksgiving!
Happy Holidays!
de..Bob KU3K



Ham Census Statistics

The 1986 fiscal year is over - the government operates on an October 1 to September 30 FY. The following are highlights from the year end statistics:

Census by License Class - 1985 vs. 1986

	1985	%	1986	%
Novice:	76,337	18.5%	79,107	18.8%
Technician:	83,117	20.1%	86,148	20.4%
General:	117,340	28.5%	116,864	27.8%
Advanced:	97,825	23.7%	98,195	23.3%
Extra:	37,968	9.2%	40,768	9.7%
	412,587	100%	421,082	100%

Ham Census -- Most Populated States

State	Rank 1985	Amateur Total	Rank 1986	Amateur Total
CA	1	56,960	1	58,400
NY	2	25,833	2	26,030
FL	3	24,518	3	25,476
TX	4	24,408	4	24,930
OH	5	20,276	5	20,370
IL	6	17,384	6	17,446
PA	7	17,153	7	17,309
MI	8	14,212	8	14,158
NJ	9	12,824	9	12,910
WA	10	12,600	10	12,997

Reprinted from W5YI Report
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AUTODIAL NUMBERS

Any club members who do not have AUTODIAL numbers for the autopatch on the club repeater should advise the treasurer as he pays his dues for the next year. Bob will let me know and either Don, W3LR or I will program the controller with your home phone number.
Clarence W3PYF

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To the members of the DLARC:

On Nov. 6th, 1986 you missed a good meeting as to where I accused the Board of Directors of mismanagement of the DLARC Club Equipment. For the first time I saw people there (at least 15 or more) that I never saw before. Where were the regular members? The problem was that on Oct. 24th at 6:55 P.M. (Friday), KA3[illegible]DI, Al was at the radio room at the Greystone Bldg. and he wanted to use the 430 Kenwood Rig to work some CW. He could not find it. So Barry, KU3X, a new member of the Board of Directors said to him that it was taken to the Island of Montserrat in the West Indies. This was not sponsored by the Club. The group that took it was Diane N3BL, Bill K3OO, Norm K3NZ and Tony K3ZUF. The 430 was taken without the knowledge of the membership at all. Barry said that Diane would take full responsibility for it. Did you ever hear of a Board of Directors of any organization do anything like this behind the backs of the membership? I never did. This to me was an illegal act and should never have happened. Ken, KA3[illegible]ED, said the board voted to give them permission to do this. But, the permission to do this doesn't go to the Board until the membership approves. I was told it was too late to mention this at the meeting on Oct. 2, 1986. It could have been mentioned during the check-ins of Oct. 5,8,12,15 or 19th if it was OK to do this. Years ago, we had a survey to change the Tuesday dates to Wednesdays for check-ins, and that was approved at the check-ins, so there was enough time to do this. The group did not leave for Montserrat until Oct. 22, 1986. On Nov. 6, 1986, at the regular meeting, there was a vote that the Board of Directors now has control on everything, including equipment, without the membership permission to lend equipment out.

I say right now, my fellow hams, we have, I think, a very good President in Bob, KU3K and we should back him up. I don't want you to be like a bunch of sheep, but to use your knowledge as to what is right and what is wrong. We are not a perfect club, but let's try for perfection.

This letter was written because 95% of the members did not know our equipment was taken out of the country. I leave it up to you to decide if it was proper or not. It was never mentioned at the meeting until I brought this matter to the attention of the membership.

Thank you!

Tony

Please print my name!

Tony - N3CVH
November 10, 1986

PLEASE TEAR OFF THIS SECTION AND RETURN IT WITH YOUR MEMBERSHIP SURVEY OR SEND IT SEPARATELY TO: BOB KRATZ KU3K, 1938 WEST BROAD STREET, BETHLEHEM, PA 18018

IF YOU DO NOT RESPOND WE WILL USE THE FIRST NAME ON YOUR MEMBERSHIP APPLICATION AS THE NAME TO BE PRINTED ON YOUR NEW DLARC MEMBERSHIP BADGE.

NAME AS YOU WANT IT TO APPEAR ON THE BADGE _____

CALLSIGN _____

TECHNICALLY SPEAKING

Written, of course, with tongue in cheek, Gene, K3DSM issued the following message on the PARA BBS, (Packet). The new restrictions as issued by the FCC with regard to the putting of prices on goods mentioned on amateur radio have caused quite a stir among the Swap nets and the Packet BBS's which often have notices of material for sale on them. It is reprinted below, as received at W3PYF on 10/31..

788 BN 2054 ALL K3DSM 861030

All Ham Radio Must Cease Operations FCC rules state that hams shall not engage in commercial activities via Ham Radio (97.112a) meaning that hams shall not advertise businesses nor sell products for businesses nor shall have any pecunary gain. It also means that one shall not call his office for messages nor get service call messages via ham radio. A ham should not make business appointments via ham radio. (That's what commercial radio is for).

Recent FCC interpretations have changed the meanings of the original intent.

1 Hams shall not mention that they have a used piece of equipment for sale.
2 Hams shall not mention what equipment they are running. (advertising)
3 Hams shall not mention that they are going somewhere.(someone will benefit)
4 Hams shall not discuss repairs to their equipment. (the name could be accidently mentioned or the parts needed would be advertised).
5 Hams shall not discuss politics (someone will benefit in some way)
6 Hams shall not transmit as the electric company will benefit.
7 Hams shall not make autopatches as the phone company benefits.
8 Hams shall not talk to much as his doctor may benefit from a medical visit from a sore throat.
9 Hams shall not discuss any topic where equipment or property of any type is mentioned as some supplier will surely benefit.
10 Hams shall not meet using radio to guide them as the gas companies will benefit by savings, and commercial landmarks could be mentioned.

Conclusion

It has been determined that rules can be interpreted any way that one could imagine. Therefore, it is no longer feasible to communicate via Ham Radio as one is now in violation in some manner.

All Hams are advised to turn in their Ham licenses and operate on 27 mhz where anything goes. There are no licenses, rules, or restrictions: the FCC gave up long ago.

A good alternative would be to get a commercial license and operate on the commercial bands as everything one could want to talk about is of some sort of a commercial nature.

Gene K3DSM

ATTENDANCE SHEET

COLUMN 1 is a copy of the November sign-in sheet. COLUMN 2 shows concurrences with Octobers list.

COL 1	COL 2	COL 1	COL 2
NB3L	NB3L	W3BPP	W3BPP
K3NZ	K3NZ	KC3UE	
KU3K	KU3K	W3APE	W3APE
KB3RI	KB3RI	N3BIB	
W3ZXS		K9TBD	K9TBD
KA2UUU	KA2UUU	WB3HBR	
N3CVH	N3CVH	KA3MND	KA3MND
KU3X	KU3X	W3LPM	W3LPM
KA3JAL	KA3JAL	W3HFI	W3HFI
N3DRZ	N3DRZ	KA3MQP	KA3MQP
W3PYF	W3PYF	KA3MQK	
W3EGY	W3EGY	WB3CTR	WB3CTR
W3FYK		WB3IFV	WB3IFV
WA3BOM	WA3BOM	KW3W	KW3W
W3QBF		W3GQQ	W3GQQ
N3DRE	N3DRE	W3LPB	
N3DSP	N3DSP	KA3PEQ	
N3FEA	N3FEA	KA3LPG	KA3LPG
KA3ODI	KA3ODI	N3EOF	N3EOF
WA3CQU	WA3CQU	WA3DAY	
W2SPK		KA3LSI	KA3LSI
KY2A		WA3DIO	
KJ3R	KJ3R	KA3LAU	
KA3PZG		KA3EED	KA3EED
KA3LAM		KA3QAV	
N3EBH	N3EBH	KC3II	KC3II
KA3MNY	KA3MNY	WB3BJL	
W3TDF	W3TDF	W3LR	W3LR
KC3CR	KC3CR		
KB4QMN	KB4QMN		
N3CZM			

DIGITAL COMMUNICATIONS
BY
JOEL A B ELSTON, K9TBD

Frustration is when you think that you have hooked up everything properly, lights are blinking - but nothing works or you are printing garbage. This is true with RTTY, AMTOR, CW, PACKET, and most of the modes we use computers for transmission and reception.

In this article I'll provide some of the common problems and some cures. Of course, the list could go on forever and I am sure that I'll miss some important things and only hope to provide a place to start troubleshooting your digital system.

Is it plugged in? Of course its plugged in! How many times have you overlooked the obvious? Fuses, frayed wires, loose connectors? In other words, before anything, check the easy things first and thoroughly - check your operating supplies from the wall socket to the five volts or whatever right on the chips. A visual inspection has cured many problems for me - oops, I did not realize that I broke that little wire when I opened the chassis last time. With modern miniaturized equipment today, things can get busted easily so check it out with your VOM (VTVM) and a jewelers eyepiece - you may have a five minute cure.

Tones, levels, speeds, and oh my god! SOFTWARE OPTIONS!!!! Let's take the easy ones - the first three first, then talk about software. Most digital communications systems used on ham radio today use a mode of modulation called frequency shift keying to get the 1's and 0's from our computer out over the air. There is an intermediate box between the computer and radio that translates logic levels into tones.

These devices are called MODEM's, TU's, TNC's, etc. Check your book and find out what tones (frequency) should be coming out of your interface unit when you send characters to it. Use the alternating bit pattern of RYRYRYRYRY in RTTY or the ASCII equivalent of (U*) to check if the tones go back and forth - use your ears for the instrument.

When you are satisfied that the tones are going back and forth when you punch keys on your keyboard, then get your counter out (borrow one) and check to see if they are within about 2-5 hz of what the manufacturer says they should be. You can be a little farther off but copy gets worse and worse. Do this in both directions - both rx and tx. by checking the tones, you have checked two things, the absolute tone frequency and also the shift between the two tones (mark and space).

Levels are very important. Both tones should be at the same level within about one to two db. Check them out. Also, many audio systems require that your tones be at zero dbm 600 ohm relative. What does that mean? It means 0.775 volts RMS on an RMS reading meter. Some systems convert your 4 or 8 ohm speaker system to the 600 ohm standard, others do not and if you mismatch the two systems there is a 150 to 1 ratio either up or down which means that you may fry something or just not be able to copy. If you need to convert levels just go to Radio Shack and a get a little audio transformer usually labeled 8 ohms to 1000 ohms - that is the cure. Once you are setup, get a station like myself to check out your levels - or get another station to 'earball' you relative to the mailbox which is all setup right.

Levels are not only for the analog tones, but, also the digital levels - RS-232-C and TTL are not compatible. One uses differential keying (plus and minus) voltages and the other (TTL) uses non-polar keying zero and five volts to represent zero's and one's. Check your manual - see what your requirements are - if you are backwards - don't despair - there are chips available (same source) to translate between these two common signaling techniques.

Speeds are usually easy to fix. You are printing garbage, so with your speed change button (my case multi-clock uart) run through your speed options until you get something that looks rhythmic - for now don't worry if the print is nonsense just look for groups of characters that look like the right length for words. Once you get this nice steady pattern either on the printer or CRT, then try your up-side-down switch since many stations get confused and send the wrong way.

Last - the software problems. Many terminal emulation programs do not accommodate all the things you want them to - from printing while rx, to the ability of sending 1 or 1-1/2 or 2 stop bits, to setting up end- of-line sequences (i.e. CR/ CR/ LF/ LTRS/ LTRS). I have tried them all and some are better than others but not any of them accommodate all the communications features that are required. The closest that I found was a dedicated 5,000 dollar commercial unit for

wired to wireless communications. Best advice is to read, reread, and then ask a seasoned user of that particular system to interpret the manual for your particular system. One of the toughest problems is to figure out whether it is the hardware or the software that is causing the problems.

CONCLUSIONS - hopefully, in this brief article, you will get some ideas on what to do when its finally all hooked up and nothing works. The radio is great for a source of information - likely, there is another user that has gone through the same struggle that you are going through.

ASK!!!!!! The experimental amateur repeater (ear) on 146.775/175 was set up for just that purpose - questions - tweaking and tuning - any legal mode is welcome. call in, use the bulletin board systems, ask questions, and hopefully get your station fine tuned. Once it is working nicely - don't sit back and enjoy it - offer your trials and tribulations so that others can enjoy these fascinating digital modes.

RYRYRYRY 73 JOEL K9TBD RYRYRYRY

NARTE TO ISSUE COMMERCIAL TICKETS TO AMATEURS
by Clarence W3PYF
Excerpted from the ARRL LETTER

The National Association of Radio and Telecommunications Engineers (NARTE) is one of the groups which stepped in to fill the void when the FCC decided to stop issuing broadcast radiotelephone licenses. NARTE offers examinations at over 100 colleges and universities to certify broadcast engineers. The Board of Directors of NARTE has determined that the technical complexity of the Advanced and Extra Class licenses is equivalent to the NARTE technician 4th Class entry level examination. Effective immediately, NARTE will grant its entry level, 4th Class, certificate without endorsement, to persons holding the Advanced license, and to the Extra Class licenses, the 4th Class certificate with one endorsement.

Before you run to NARTE for their 4th Class Certification, note that NARTE charges a $15 ANNUAL fee for Advanced Class certification, and a $20 ANNUAL fee for the Extra Class certification.

NARTE hoes that this certification program will provide for an easier transition for radio amateurs who are interested in a broadcasting/commercial career.

LETS MAKE A CHANGE
by Clarence W3PYF

As announced by President KU3K at last meeting, we will have a contest to see who can come up with a new announcement for the repeater identifier. Below you will find the vocabulary that is available. Use the words or combinations of words to make up a "tail message"..It must be acceptable by the Repeater Chairman, W3LR, who will have to place it on line. Those of you who are active Scrable players should do great. Turn in your ideas to Don at the next meeting.

A,ALERT,ALL,ALPHA,AM,AN,AND ARE,AREA, ATATE,AUTO,AUTOMATIC.. B,BE,BASE, BETWEEN, BRAVO..C,CALL,CANCEL,CAUTION,CHARLIE,CHECK, CLUB,CODE,COMPLETE,CONTROL.. D,DAYTON,DEE, DELTA,DIAL,DOOR..E,EAST,ECHO,EIGHT,ELEVEN, ENTER..F,FAIL,FEET FIF-,FIRE,FIVE,FOR, FOXTROT,FOUR,FREQUENCY,FROM..G,GATE,GEE,GET ,GOLF,GREEN..H,HAM,HAMFEST,HAMVENTION,HENRY ,HERTZ,HI,HIGH,HOME,HUNDRED..I,INDIA, INTRUDER,IS..... J,JAY,JULIET..K,KAYE, KILO,KNOT..L,LIMA,LOW..M,MACHINE,MEETING, MEGA,MESSAGES, METER,MIKE,MINUS...N,NET, NINE,NORTH,NOT,NOVEMBER,NUMBER...O,OF,OFF, OH,- ON,ONE,OPEN,OPERATOR,OSCAR,OUT,OVER ...P,PATCH,PAPA,PERCENT,PHONE,PLUS,POINT, POLICE,POWER,PRACTICE,(pause),...Q,QUEBEC.. .R,RADIO,READY,RED,REMOTE,REPEATER, RIGHT, ROMEO..S,SEA,SEE,SERVICE,SEVEN,SHUT,SIERRA, SIX,SMOKE,SOUTH,S (suffix).. T,TANGO,TEA, -TEEN,TEMPERATURE,TEN,TEST,THE,THIR,THIS IS,THOUSAND,TIME,TIMER, TO,TOMORROW, TONIGHT,TOO,THREE,TWELVE,TWENTY,TWO,-TY ...U,UNIFORM,UP..V,VICTOR. ..W,WAIT, WEATHER,WHETHER,WELCOME,WEST,WHISKEY,WILL, WON,WRITE,WHY..X,X-RAY.... Y,YANKEE, YELLOW,YOU..Z,ZERO,ZULU...

The following numbers are available:
ZERO,OH,ONE,TWO,THREE,FOUR,FIVE,SIX,SEVEN, EIGHT,NINE,TEN,ELEVEN,TWELVE,THIR-, -TEEN, TWENTY,FIF-,HUNDRED,THOUSAND,-TY....

These are the words, phrases, letters, and numbers that are available...As an example many of the words can be made up of combinations...When I went to insert the Emergency autodial for Easton Police, I used the combination of "EAST" and the word "ON"....The combination comes out as EASTON...Lets see what
you can come up with using the above vocabulary....<W3PYF>

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ARRL NATIONAL CONVENTION NEWS
Courtesy Hamnet, Compuserve
by Scott W3VS

The FCC Forum at the ARRL National Convention provided some interesting insights into the FCC's thinking about letting a private organization handle special callsign assignments.

It used to be that you could request a special callsign from the FCC - for a special events station for example but also, depending on license class, for your personal callsign. Several years ago, due to budget cutbacks, the FCC decided to quit providing that service. Since then, only standard FCC callsigns have been available.

Now the FCC is very interested in exploring the possibility of a private organiation (such as the ARRL) taking on the work to provide special callsigns. According to the FCC's Mike Fitch (Deputy Chief, Private Radio Bureau) and Ray Kowalski (Chief, Special Services Division, Private Radio Bureau), they expect to have something published for comment by the end of the year. Separately, ARRL officials expressed interest in operating such a service - in spite of the obvious workload issues involved. (The FCC believes charging a reasonable fee ($20-30) would be appropriate to cover the costs of operating such a service.)
Some other questions and answers from the FCC Forum in September.

Q: Why can't the FCC provide more help with jammers on repeaters?
A:Staff reductions, etc. limit ability to help.

Q: Why aren't the amateur volunteer monitors called on for more help by the FCC?
A: Need to get back thru the ARRL and the local FCC in charge. Requires an agreement between the Section Mgr and the local Engineer in charge. Only section on the west coast with such an agreement is the LA section.

Q: What about new club licenses?
A: Would come under the special callsign program.

Q: What if another organization besides the ARRL wanted to handle special calls?
A: I don' know. Haven't ruled out having more than one organization. Hope to have something out for comment by Christmas.

Q: Who decides who is responsible for freq coordination in an area?
A: This was covered in the FCC's recent repeater ruling. The hams decide - the community of users, not the repeater owners (he defined the group as all persons eligible to establish a repeater).

Q: Are there upcoming threats to amateur spectrum?
A: Yes. More frequent targeting of 'lightly used' spectrum.

Q: What is position regarding sale of equipment on the air?
A: FCC policy is that you stop before you discuss price.

ARE YOU LOOKIN?

The following is a message from the Third Call area Arrl DX QSL Bureau addressed to all amateurs looking for QSL cards.
This was downloaded from KB3UD Packet BBS on October 6th. de W3PYF

.....Notice to all amateurs who work DX stations overseas....

The Third call area ARRL DX QSL Bureau has a serious problem. If you or someone you know likes to work foreign DX stations and requests a QSL "Via The Bureau" and still does not know how to use the bureau, now is the time to educate them. The bureau has a tremendous overload of unclaimed cards. Most of the cards on file are for amateurs who should know better but for some reason don't choose to send SASE'S to the bureau to claim their cards. This then is a notice to all amateurs who work DX and expect the bureau to store their cards until they get around to it. Those who have cards on file will be notified only once. If no self-addressed, stamped envelopes are received within 30 days from the date of notice, all cards on file will be returned to the overseas bureau from which they came. Sooner or later the word will get around and we won't have such a problem. For more information, feel free to write the bureau:

Third Call area ARRL DX QSL Bureau
c/o C-Cars
Post Office Box 448
New Kingstown, PA 17072



ANTARCTICA - FT8ZA expects to open on Amsterdam I., 15 November for an extended stay. He will try to erect antennas for all bands. QSL via F6FRU. ... FT8YA is on Adelaid I., usually near 7005 KHz from about 1100 UTC. QSL via F6DZU.

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BARBADOS - 18 Nov - 10 Dec. 8P9AG by K6ZM, 8P9AJ by K4UVT/4 and 8P9AK by AK6T on 10-160 with cw and ssb. The team will participate in the CQ WW DX CW Contest on 29-30 Nov. QSL to the above noted home CBAs.

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CHINA - BY1QH joins the W7PHO Family Hour on 14,227 KHz several days each week around 2300 UTC. QSL to Box 2654, Beijing, P.R.C.

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CROZET I. - From 15 Nov. FT8WA plans cw and ssb on at least 10-40 with equipment donated by INDEXA. QSL via F6FNU.

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E. CAROLINES - KC6JC working split from 7091 and 7188 KHz (QSX as announced). Enclose an SAE and a greenstamp when QSLing Fr. Cav to his CBA. ... KX6DX should arrive at Fr. Cav's QTH on 23 November for a week of DXing on 10-160, culminating in the CQ WW DX CW Contest. He has stated that he will update the antennas there, including a 160m installation. QSL Dave's operation via the N. Alabama DX Club, P.O. Box 4563, Huntsville, AL 35815. (Enclose an SASE or an SAE and 2 IRCs).

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FALKLAND IS. - VP8PTG on 7005 KHz at 2345 UTC. QSL Fred via G4RFV.

***

GABON - TR8JLD, availing himself of the excellent DX conditions on 15 meters, is active daily on 21,222 KHz at 1700 UTC and 21,320 KHz at 2000 UTC. QSL to his CBA.

***

HEARD I. - At presstime we're awaiting the start of the operation detailed in our previous Issue. No further information has been forthcoming on the possible opening date.

***

HUNGARY ON 160 - HG7B is regularly near 1837 KHz from 0445 UTC. QSL to his CBA.

***

JORDAN - JY8XX on 7026 KHz from about 2345 UTC. QSL via N6ZZ.

***

LESOTHO - 7P8DP on 21,345 KHz at 1730 UTC and 14,186 KHz at 1930 UTC. QSL via W8MPW.

***

NAMIBIA - ZS3HL on 21,303 KHz at 1730 UTC and 14,265 KHz at 2000 UTC. QSL: Buro.

***

NAURU - C23FB on 21,300 KHz from 1900 UTC and 14,252 KHz at 2030 UTC. QSL: Buro.

***

RHODES - SV5ADM on 21,282 KHz from 1200 UTC. QSL to Box 464, GR 85100, Rhodes.

***

SAUDI ARABIA - HZ1HZ on 7011-15 KHz from 0230 UTC. QSL via N7RO.

***

SIERRA LEONE - 9L1IS on 14,165-170 KHz from 1900 UTC. QSL via Buro.

***

SO. GEORGIA - VP8AQT, running low power into dipoles, has limited coverage in his regular skeds at 2030 UTC in the W7PHO Family Hour near 14,227 KHz.

***

SUDAN - ON7IP/ST2 worked on 14,176 KHz at 2030 UTC. QSL to his home CBA.

***

TANZANIA - 5H3RB on 21,235 KHz from 1600 UTC. There on a 3-year assignment, he will soon be running daily skeds on all bands. QSL directly to Roel Bouwman, P.O. Box 9534, Dar es Salaam, Tanzania. (His home call is NM2R).

Raymond P. Bilger W3TDF
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Coopersburg, PA 18036

THE DELAWARE-LEHIGH AMATEUR RADIO CLUB, INC.

NEWS

RD #4
GREYSTONE BUILDING
NAZARETH, PA
18064

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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