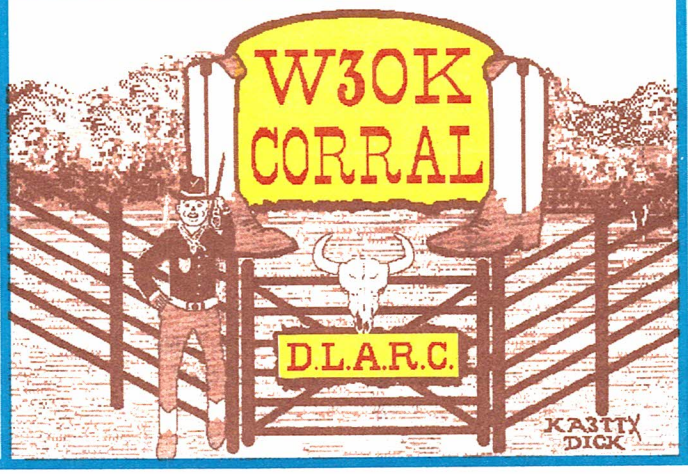
DELAWARE-LEHIGH AMATEUR RADIO CLUB, INC. W3OK

February 1992



SPECIAL SERVICE CLUB
ARRL

ARRL Affiliated Club

CHECK YOUR MAIL LABEL

CHRISTMAS CITY STATION BIG SUCCESS

by Bob, WF3H and Dave, N3JGX

On December 21 and 22, DLARC sponsored the Christmas City Special event station, W3OK, from Bethlehem/Nazareth. It was coordinated by N3JGX, Dave, and WF3H, Bob.

KA3YFK, 9 year old Chris kicked things off as his dad proudly looked on. Other operators included N3IQD, KA3YEB, N3HQE, N3LAI, N2LAU, N2LAT, K3CP, N3JNV, W3TDF, WA3BOM, KA3YAT, KA3OEG, KD3QO, and N3JGX . As the weekend rolled on, unselfish volunteers showed up with plenty of holiday goodies to fuel our efforts.

Over 350 contacts were logged despite a bad 10 meter trap. Santa's Elves were at work because we were able to work 10 meters on Sunday and made coast to coast QSO's. The best part of the event was the opportunity to wish everyone "Season's Greetings" from the "Christmas City" in the best of Holiday traditions.

The other half of the job is yet to come: answering QSL's and sending out certificates. This is being handled by Dave, N3HQE, and Adrienne, KA3YEB.

Thanks to all the volunteers, and best wishes for '92.de Dave, N3JGX, and Bob, WF3H

CHECK YOUR MAIL LABEL!

If there is a ***RED*** mark on your mailing label, our treasurer has no record of your payment of dues. Unless it is received by February 8th, your autodial number will be removed and your name will not be listed in the Club directory to be sent with the MARCH W3OK CORRAL. Your name will be removed from the Mailing list as well. Send dues to Dick, KA3MOU, his address inside this newsletter.

AMATEUR SPACE COMMUNICATIONS

by Tom Daniels, N3CXP

For the February DLARC meeting to be held in the NCCAC Theater on February 6th, program chairman; Bill Goodman, K3ANS asked me to do a follow up for the club on the two SAREX sessions conducted last year at two local schools.

I hope to give some background on the extensive efforts set forth both locally and nationally to bring amateur radio and the space program into many schools and some of the lessons learned. I also will be talking about future SAREX flights.

In contrast to our elusive and infrequent SAREX flights, the MIR space station has been available to contact for over an hour each and every day. I'll be bringing some of my taped contacts with MIR over the past years. Even diehard HF DXers like Rick Saeger, K3OO and Bill Goodman, K3ANS have been caught redhanded on two meters trying to sneak a QSO with MIR.

I've got lots of video tape produced by AMSAT and the ARRL to show. I'm very proud of the fact that much of the footage from the schools was provided locally by WFMZ, CH69 and WNEP, CH16. I hope I can answer any questions you might on the program or amateur space communications in general. If you missed the SAREX sessions or have not enjoyed a contact with MIR, this is your introduction to the excitement of amateur space communications.

de Tom, N3CXP

MEETING IN THEATER AT NCCAC

FEBRUARY 6th..7:30PM

THIRD PARTY INFO
by Barry, KU3X

No amateur station regulated by the FCC shall transmit messages for a third party to any amateur station located within the jurisdiction of any foreign government not in the following list:

Antigua and Barbuda, Argentina, Australia, Belize, Bolivia, Brazil, Canada, Chile, Colombia, Federal Islamic Republic of Comoros, Costa Rica, Cuba, Dominican Republic , Equador, El Salvador, The Gambia, Grenada, Guatemala, Guyana, Haiti, Honduras, Israel, Jamaica, Jordan, Liberia, Mexico, Federated States of Micronesia, Nicaragua, Panama, Paraguay, Peru, Philippines, St. Christopher and Nevis, St. Lucia, St. Vincent and the Grenadines, Sierra Leone, Swaziland, Trinidad and Tobago, United Kingdom (special event stations with call sign prefix GB followed by a number other than 3), Uruguay, and Venezuela. Also 4U1ITU in Geneva, Switzerland, and 4U1VIC in Vienna, Austria.

*** The above information was taken from the January 1992 issue of Worldradio. ***

If you do have and use a phone patch on the high frequency bands, you better make sure that you do not run a patch to the wrong country.

Flagrant violations of the third party rule have been heard numerous times on 14.313 mhz. The FCC has prosecuted numerous violators on the high frequency bands for illegal phone patching. If you run a patch for someone that starts to speak another language in the middle of a patch, and you don't understand what is being said, you are still responsible for what is transacting. That person could be doing a drug deal and you would never know it.

The rules that apply to two meter auto patching also apply to HF phone patching. You would not call a pizza parlor on two meters to order a pizza so you would also not have your friend that lives in Florida patch you into a hotel to make reservations.

Use a little common sense and you will do just fine. It is a very good feeling to run a phone patch for a ham to an old army buddy of his that lives in your town that he has not talked to in twenty years.

de Barry KU3X



JANICE POPE DIRECTS NEW IRISH PLAY
by Bob, KU3K

DLARC member Janice Pope (KA3NJR) recently had the opportunity to direct a new play at the Irish Arts Center in N.Y.C. The play titled "Una-Pooka", was written by Irish Playwright Michael Harding and had only been produced in Ireland. Mr. Harding flew from Dublin to attend the U.S. premier December 5th. The Actors Equity Association showcase production had a limited engagement, running until December 22nd.

Janice holds an MFA in Theatre from Syracuse University and has been teaching acting and theatre history at Penn State University and Cedar Crest College. She has also directed many college and community theatre productions throughout the area. Janice told us that the two most intriguing facets of the New York production were the opportunity to discuss the aspects of the play with the author, and having been able to direct a new play for the first time here in the States!

Husband Bob (KU3K) helped with the project, commuting daily with Janiceinto New York City for over a month! Congratulations Jan! (The reviews were great...Another project is in the wind..I am VERY Proud!!)

de her OM..Bob, KU3K



FOR SALE BY W2CKR

KENWOOD SEPARATES, YAESU AMP, DRAKE TUNER FOR SALE, EITHER AS A COMPLETE PACKAGE OR SEPARATELY. Will price reasonably, please call to discuss:
KENWOOD R599A AND T599A with digital freq. Display; DRAKE MN-2000 ANTENNA TUNER
CALL ED SAHM, W2CKR @215-435-0947. Great station at a reasonable price for a new ham. All equipment in very good condition.

de Tom,N3CXP

^^^^^^^^^^

MOST ASSIDUOUS RADIO HAM

According to Guinness Book of Recoreds, 1991, the late Richard C. Spenceley, KV4AA at St Thomas Island, VI built his contacts (QSO's) to a record level of 48,100 in 365 days in 1978.

<thanks Bud, WA3BOM for this info>

IMA LIDD

Diodes - Part 2
by Van, K3CP

When we left Ima Lidd and Elmer they had just finished a discussion on diodes - primarily semiconductor diodes. Elmer had asked Ima to study them in his spare time. Ima did spend some time reading about them and had some questions for Elmer.

"Hi, Elmer," said Ima. "I would like to know more about some of the uses for diodes."

"Good day, Ima," replied Elmer. "Very good. Let's begin with a circuit containing a single diode in a power supply."

"The half wave rectifier circuit is about the simplest application of a single diode. Here's an example - Look at figure 1. It contains a source of AC, a transformer, a diode and a load resistor. The secondary voltage at the terminals, A and B, is alternating. That is, the polarity at the terminals is alternating from positive to negative. Without the diode in the circuit, the voltage across R would be AC as well. The same AC voltage appearing at the secondary would also appear at R. In other words the polarity at R would be changing from plus to minus at the same frequency as at the transformer.

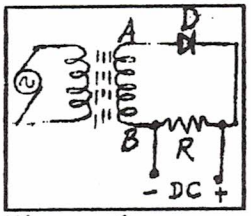


Figure 1

"Yes, Elmer, I understand that," said Ima. "What happens when the diode is connected in the circuit?"

"I'm getting to that," said Elmer. "We know that the diode has the property to limit current flow to one direction. We also know that AC changes polarity twice on each cycle. So the polarity is correct for the diode to conduct only on half the cycle. During this time the current will flow through R. There is no current flow on the other half of the cycle. The resulting wave form at R is that of half the AC wave. Although this wave resembles AC it is really DC because it only flows in one direction. Remember that the current doesn't reverse unless the wave goes from above the line to below the line. See figure 2. The dashed segment below the line is shown to illustrate what would happen without the diode in the circuit. It doesn't exist with the diode present. The important thing to learn is that the voltage (or current) does not go below the line which indicates that no reversal of direction takes place."

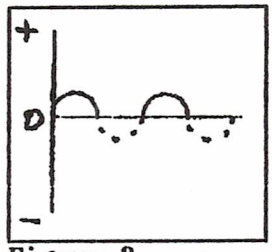


Figure 2

Ima asked, "It looks as if we have pulsating DC at R. Is that right, Elmer?"

"Yes, it is," replied Elmer. "If you put an oscilloscope across R, you would see a trace similar to that shown at figure 2. (without the dashed line). Now, let's replace the transformer with one having a center tap and move the resistor to the center tap and then add a second diode at B as shown in figure 3. Again, current will flow through R and the top diode when the AC wave is in its positive half of its cycle. When the polarity changes the bottom diode will conduct and current will flow through it and R. See figure 3.

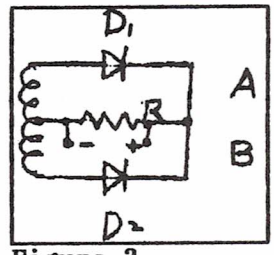


Figure 3

"At one instant the current is flowing from the center tap of the transformer through the resistor and the top diode. In the next instant, current is flowing from the center tap through R and the bottom diode. The importance of all this is that the current through R is always flowing in the same direction. We have now converted AC to DC. Also, notice that current flows through R on the full AC cycle."

"That's why it is called a full wave rectifier", said Ima. Boy that is simple. Now I understand the difference between half and full wave rectifiers. Thank you Elmer. As always, you have made it clear."

"Well, we have DC alright," said Elmer, "but it contains lots of ripple (hum). It must be filtered before it can be used for applications requiring pure DC."

Ima said, "It really is not hard to understand when you think about it for a while. See you next time.

HAM SHOT FOR TVI
by Jack, NZOC

Why should ham radio be allowed to exist? Here is a question we all ask ourselves from time to time. During the last contest in which I partook, I thought,"can there be anything more frivolous?"

A quick scan across most any band will yield some pretty depressing results. People gabbing about how the hobby is falling apart at the seams, endless pileups, QRM, and (God forbid) obscenity. An idea hit me soon afterward. It knocked me out of the easy chair and over here to the computer. It held me by the nape of the neck and wouldn't release until I had finished writing this. Here is what it had to say:

When was the last time you saw the local bowling team or football team or baseball team helping out at an emergency? Did you ever stop and wonder how many useful resources other hobbies take up? How much housing could be provided in the place of a golf course? Do you ever wonder how many stadiums it takes to make a factory and lots of jobs? What about the social skills taught in these other hobbies? When your boss tells you that you are to work late, do you tackle him? Maybe use a bat? Perhaps you could show him your stamp collection. Or maybe, you can COMMUNICATE with him. But that's what he's done to you. If only you had used your skills you learned in...in...in ham radio! Yes, during interviews, people are often astounded by my confident manner of speaking. Some are surprised by my awareness of the world which surrounds us all. Still others are impressed with my knowledge in electronic communications (hint hint).

So, pat yourself on the back because you're doing something right. You've come this far. Take stock in what you've done and put it to use. Let people know you're there. If you don't know the answers, ask questions. There are so many of you out there that are gifted. Why is it that we are spelling out our own death? Remember that amateur radio in America is a service. We exist because we can provide our country with communications in some sticky situations. Why not get involved with your local NTS? Also, we've traditionally been the supplier of our country's electronic innovators. What happened? You all retired! Take your packet radio setup, your ATV equipment, or even your HT to the local school and draw some of those kids into the world of ham radio. Figure out what it is each of them are looking for in our hobby.
Perhaps if you start right now with making yourself a ham/person you can be proud of, maybe....just maybe, we can pull it off.

Sure, there are commercial interests in our bands, but we need to start earning our keep. I don't know why, but we've got more to prove to keep alive. I haven't seen a golf course lost because they let par go up. Also, if you continue the Radio Shack bashing then, in all fairness, you have to start bashing hamfests, mail-order equipment firms, and ham stores in general. I think there have been far more rigs sold to bootleggers at hamfests than at Radio Shack. I hear a lot more junk up in the SSB portion of 20m than on 10m. What gives? Does Radio Shack sell 20 meter rigs too? No, it's us. The people pulling the pranks are licensed hams ten times out of ten. WAKE UP BASHERS! It may be a sorry opinion but maybe it will stop the bashing: I think the ones who are trying to blame Radio Shack are actually the ones causing the problems on the bands. They're just attempting to draw the attention away from the real source.

Finally, I beg of all creative types to start overloading my screen with P-mail. I know you're out there. I'm talking about artists, writers, experimenters, musicians, photographers, programmers, and anyone who feels they can communicate semi-intelligently to tell me what's up in your world. What are you doing to make this a fun hobby? What are you doing to make it better? Are you new to ham radio? Would you like some direction? Let me know. Perhaps we can start some kind of get-together on the air. Maybe you are already doing so, let me know! Let the world know there's at least one human being out there! What you tell me doesn't have to be ham radio related. Don't worry, I don't hate sports (ha ha). I won't say bye since I plan to hear from you.

When you finish reading this, send me a packet message "SP NZOC @ WD9ESU.#SCWI.WI.USA-.NA" and let your mind do the talking.

73 de Jack (NZOC)

<editors note:> I found this on one of the packet boards. What do you think? de W3PYF

NEW NOVICE/TECH CLASSES TO BEGIN
by Chris, NU3L

The Delaware-Lehigh Amateur Radio Club will again sponsor a course lading to the Novice or Technician Class license. Classes will begin on **Monday, March 2nd** and continue for 12 weeks.

Sessions will be held in the Greystone Building in the Gracedale Complex in Nazareth.

The course will cover radio theory, operating practice, Morse Code and other knowledge needed to pass the test to obtain a license.

Preregistration is encouraged to help with planning and to ensure an adequate supply of training materials.

If you know of anyone who is interested, have them call the DLARC Telephone Mailbox at 215-820-9110, and after the messages finish, have them leave their name, address and telephone number and an information packet will be sent to them.

** CONTEST CALENDAR **
by Barry, KU3X

Feb. 7	W1AW Qualifying Run 10-40 WPM
Feb. 8-9	QCWA CW QSO PARTY
	Dutch PACC Contest
	YLRL YL/OM SSB QSO Party
	EA RTTY Contest
Feb. 8-10	New Hampshire QSO Party
Feb. 9	North America SSB Sprint
Feb. 15-16	ARRL International DX CW Contest
Feb.. 21	W1AW Qualifying Run 10-60 WPM
Feb. 21-23	CQ WW 160 Meter SSB Contest
Feb. 22-23	YLRL YL/OM CW QSO Party
	REF French Contest SSB
	U.B.A. CW Contest
Feb. 29	Utah 160 Meter Challenge

I won't nag you this month about your CW practice and all of the CW contests. But you are missing out on a lot of fun. It looks like there is a bonus 160 meter contest. I don't remember seeing the Utah 160 Meter Challenge before. If you want to play in that one, you will have to get on the air about 10 PM on.

QSO Party time already? Well maybe not ours but listen on Feb. 8-10 to the New Hampshire. This will make W3TDF happy to know that you are getting ready for the PA QSO Party.

Look for me in the 160 Meter CQ Contest this year. I need your points bad!

de Barry, KU3X

JUST THE MINUTES
by Dave, N3EYT, Secretary

The January 2nd meeting of the DLARC was called to order by Robin, WA3T, at 7:35p.m. A total of 81 members and guests attended the meeting held in KIVA Hall on the NCACC campus. The minutes of the December meeting were approved as printed in the W3OK Corral. Dick, KA3MOU, gave the treasurer's report and stated a balance of $2852.66 as of December 31, 1991. The DLARC welcomes the following new members into the club: Al Muick, KD3WU; Charles Spafford, call pending; Robert Nicol; David Eaton, K3CK; Harry Zimmerman; Cary Rufe, KA3NGW; Tim Wilson; Ronald Cluck, N2NVT; Lois Gigliotti, call pending; and John Lasher, N3GLZ. New licensing class will be starting the second Monday in January for the General class license. If you need a textbook, buy the ARRL General Class License Manual through the ARRL or other supplier. Contact Chris, NU3L, for more information. A new Novice - Technician class is scheduled to begin March 2, also at the Gracedale complex. Awards Barry, KU3X, presented a DXCC award to John, N3IGA for 10 meter SSB operation. Congratulations, John.

The Christmas City station operation was a success according to Bob, WF3H. Over the two day event, more than 390 contacts were made and about 100 QSLs have been sent so far. A hamfest? Yes, and the date is slated for August 16 says WF3H. Bill, K3ANS, has contacted the Plainfield Township Board of Supervisors about the location. What is needed now are volunteers to help is all sorts of ways. The annual club raffle is underway. The drawing will be conducted during the March general meeting. The tickets have been mailed to all club members. If you have any questions or need more tickets, contact John, N3IGA. K3GQJ is mending quite well after an accident, reports Robin, WA3T. John has been heard on 40 cw near the bottom of the band. Good fist for a righty continue the improvement. The club extends thanks to Calvin, KA3THJ, for his donation of insulators and guy wire. The sale of these items has brought $38 to the club treasury. Thanks! John Crovelli, W2GD, a.k.a. OH0OMB/OJ0 presented the program on a DX-pedition to Market Reef.

de Dave, N3EYT

DIGITAL COMMUNCIATIONS

by Joel, K9TBD

The following article was written by KB3UD after growning concern on our local packet radio communications problems. It is aptly annotated by Don, W3LR. I commend them both for their contributions to DIGITAL COMMUNICATIONS !
My Note: If you do not understand this article - LEAVE YOUR TNC IN THE FACTORY SETTINGS !

It will take a concerted effort of all packet users to establish the 'correct settings' for our local environment. As Don and Tom point out, what does (2) mean? This is a valid point ! Well, just leave your box in the FACTORY SETTING until there is a local agreement as to what things are the best. Each TNC is different some want this and that, but, for the most part - just LEAVE IT ALONE ! In General: (as in voice) -- Don't hog the channel - let the other guy get a word in. If you catch yourself hogging the frequency then - back off your timers - give the other fellow a chance. Change things only if you understand what your book says about these PACKET timers - otherwise leave 'em alone.

NOT BY FRACK ALONE

contributed by Don, W3LR

The Following is a message from the Late Tom Teel, KB3UD Topic and substance still an urgently needed to be addressed issue today.

Thank You Tom for your years of Dedication R. I. P. Tom ! de Don,W3LR

From: KB3UD@KB3UD
To: WB3DTG
Not by FRACK alone a.k.a. Wait for the BEEP !

Recently I have noticed some rather poor operating characteristics appearing on the 144.97 LAN. Stations banging and thrashing away with little or no awareness that an ideal LAN is a SHARED resource. Some time spent reading and analyzing your TNC manual and asking questions where appropriate are as important in the digital world as they are in the FM voice world. Several Parameters need to be looked at and adjustedaway from their sometimes totally insane default values.

FRACK = Frame Acknowledgement Delay should be about 3 seconds.

DWAIT = Delay, or Wait before transmitting; Keyboard to Keyboard should be 160 ms MINIMUM (16 on most tnc's).

File transfers, either station to station or to PBBS, 48. Note the difference when transferring files. This is to allow other folks a chance to use the channel during your "key up" periods.

TXD = Transmit Delay or the time from PTT until data flows out of your station. This is somewhat dependent on your transmitter as well as the "other guy's" receiver. Ideally, it should be set to as small a value as possible that still allows communications. Start at about 30 for most modern FM transceivers.

These three will get you rolling. All three can be changed while connected to another station by going into the CMD: mode, setting the parm and going back to CONVERSE mode. Your next transmissions will be done with the altered Parms.

Most newer TNC's have a couple of commands/parameters that make LAN operation even better, but ALL of you MUST enter these values in order for it to work!

PERSIST = 127
PPERSIST ON
SLOTTIME = 10

A complete description of how these parameters work is beyond the scope of a short note like this. (for you insufferable teckies, get a copy of the AEA PK-232 tech manual and give yourself a thrill !) If you have these commands, USE THEM. It will serve to improve our LAN. As usual, questions and discussions are relished!! 73 de tom, kb3ud

******** COMMENTS BY W3LR*******:**

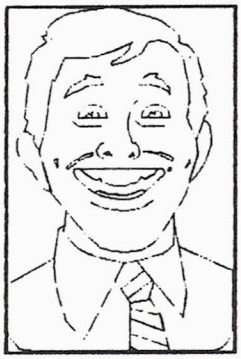
Note: PERSIST = 127 , consider the formula as a Percent (value)+(1)/256 = % talk in percent of 50 % and not 127, however most TNC's use the same formula for calculation and intreptation of persist.
PPERSIST ON just turns on the persist Calculation. (At a persist of 255 NOBODY WINS... We ALL retry out together !!) (The closer to "1" we all get, the more HUMANE the LAN becomes.)
SLOTTIME = 10 , consider this number as a time not a number. You must look up the timing weight for this parameter. My suggestion (W3LR) is for a persist value equal to 160 milliseconds ((.160 sec)), a little larger value from what Tom had suggested earlier. The Persist calculation is implemented when the TNC first transmits on a clear channel with a probability of (n+1)/256. If it does not transmit it will wait 1 slottime before trying to transmit with the same probability. Persist timing is added onto DWait, if you use the persist mode, it is suggested to make DWait = 0.
***Remember !!! Don't think of DWait = 2 (2 what? 2 days ?) but in milli-seconds!!!!!..*

de Don, W3LR

DLARC HAMFEST SCHEDULED AUGUST 16th!

by Bob, WF3H, Hamfest Chairman

Well, the DLARC Hamfest is making progress. K3ANS, Bill, has done an excellent job of procuring the Plainfield Township Fairgrounds for us at a bargain basement price of 30 bucks for the day. And the day selected is Sunday, August 16 1992. The next step is to get it registered with the ARRL.



One of the benefits of this is that they will provide labels for us to mail flyers to local clubs letting them know about our fest. Of course, we are going to start working soon on the flyer so that no time is wasted when the labels arrive. At present, 2 mailings are planned; an early on in February, and a later one closer to the event. One of our club members, K3NZ, Norm, has offered strong support in printing of the flyers, and tickets as well.

We plan to have vendors, a flea market and a VE test session. One computer dealer, Triangle Audio from Pittsburgh, has already announced plans to attend. It is planned to allow food to be handled by a local Plainfield Township organization. This will enable us to build community support. Plainfield has also volunteered the support of the Fire Police for traffic handling.

There are quite a few tasks to be handled: Vendor relations, Parking, Publicity, Printing, etc. It is planned to handle these by club volunteers working on one particular task, rather than having everyone do everything. About 30 club members have volunteered to help, but we definitely need more assistance.

If you're interested, please contact me on .70, on packet at WF3H-3, as a last resort (hi) at 266-0658. I'll keep you posted on progress

73 de Bob, WF3H

FOR SALE

6 position coax switches. C bayonet connector pin type. Three used connectors with each switch. Has six light sockets which indicate switch position.

$25.00 Each Call Tom, KA2RTI 908 454-5079.

HAPPY VALENTINE'S DAY, D.L.A.R.C.!

by Robin, WA3T, President



As we start out into 1992, there many good things going on in our Club...

If the number of new members is anything to go by, we're successfully filling a need for newcomers to the hobby as well as the oldtimers. 372 hams can't all be wrong! We're embarking on a Hamfest; a major task which will be fun, and will give many of us an opportunity to work together, and so get to know each other better. With luck, the Hamfest will also be profitable, and help hold our dues at their present low level, but it's the unifying effect of this activity which is more important.

For the third time in a couple of years, we'll be taking a group of Scouts under our wing, and offering them instruction towards their Novice or Technician licenses. Everyone bemoans the aging of the ham population, but reaching out to young people in this way is doing something concrete about the situation. At best, we will add a few young hams to our ranks. If not, at least they will have been exposed to our technical hobby; perhaps in years to come they'll choose electronics as a career.

There is much to be thankful for, and I, for one, am proud to be able to say that I am a member of the Delaware Lehigh Amateur Radio Club.

73 de Robin, WA3T

TREASURER'S ADDRESS

Richard Dech, DLARC
120 McIlhaney Avenue
Bath, PA 18014

Make check payable to DLARC

Thanks to Harold, K3ATO of Reading for the DX list on page 9 & 10. Supplied by Anne, KO3M.

PACKET RADIO GUIDELINES

The following is from the ARRL Letter (vol 10 no 21) dated Oct. 17, 1991: Packet Guidelines Adopted

Guidelines adopted at the IARU Region 3 conference for packet radio operation are contained in two documents entitled "Guidelines for Packet Radio Operators" and Guidelines for Packet Radio Bulletin Board Operators." They are intended to help promote the principle of self-regulation of the amateur Radio Service in the Asia-Pacific area.

These documents, adopted unanimously by the conference in recognition of the international nature of packet radio and the need to avoid inappropriate traffic, are based on submissions from Australia, Japan, New Zealand, the United Kingdom, Italy, and IARU Region 1. They were prepared by a working group led by Kevin Olds, VK1OK, of the Wireless Institute of Australia.

Guidelines for Packet Radio Operators

1. Amateur Radio takes pride in being self-regulated. Packet Radio operators should continue this tradition.
2. Packet Radio operators, like all Amateur Radio operators, should observe published band plans.
3. A Packet Radio operator should not send the following traffic either direct or via mail boxes:

a. All advertising for selling, buying or trading goods, including amateur equipment (except if permitted by local regulations);

b. All statements of propaganda on political or religious subjects;

c. All inappropriate language, as for instance, the use of swear words, obscenities, defamatory or libelous language, etc;

d. All material which may infringe copyright;

e. All material which infringes privacy, whether personal or corporate.

4. A Packet Radio operator utilizing a BBS should avoid transmitting unnecessary or redundant messages and documents in order to enhance network efficiency.
5. A packet radio operator utilizing a BBS should ensure that the call sign of the originating station, including the name of the person responsible in the case of a club station, is clearly shown on every message so that the sender can be identified.
6. A packet radio operator should avoid messages that are too long for efficient relay through the network.
7. A packet radio operator utilizing a BBS should ensure that all messages transmitted are addressed to the appropriate group of recipients and not addressed to inappropriate areas in order to enhance network efficiency.

Guidelines for Packet Radio Bulletin Board Operators

1. The operator of a Packet Radio Bulletin Board is obliged to provide a reliable service, within a defined area for a defined purpose.
2. A packet radio bulletin board operator is morally responsible for all messages forwarded by his system. He should make his best efforts to insure that the traffic forwarded is appropriate to the Amateur Radio Service and in accordance with the Guidelines for Packet Radio operators.
3. HF mailboxes should only be used where there is a genuine need that cannot be provided by VHF or other means.
4. A packet radio bulletin board operator may take action to exclude a user who persistently contravenes the Guidelines for Packet Radio operators. Excluding a user should only be done as a last resort after the user has been warned and where exclusion does not contravene local regulations.

de Bill/WA3SCW

FOR SALE

UNIDEN Communications receiver model CR-2021. mint condition with manual. Covers Am and Fm BC bands and general coverage also. has ssb and two filter positions. Ac and Dc. $75.

AMECO model TPA tuneable preamp and active antenna perfect for any Shortwave receiver. mint cond. $40 (orig. $80).

David * WA3HVR *

(215) 437- 1410 Mon thru Fri. during day.

FEBRUARY MEETING

NORTHAMPTON AUDITORIUM
NORTHAMPTON COUNTY COMUNITY COLLEGE
FEBRUARY 6, 1992 7:30 pm

SN	COUNTRY	PREFIX	BEAM	80	40	20	15	10
1	Botswana	A2	102					
2	Tonga	A3	260					
3	Oman	A4	44					
4	Bhutan	A5	12					
5	United Arab Emirates	A6	46					
6	Quatar	A7	47					
7	Bahrain	A9	47					
8	Pakistan	AP-AS	35					
9	Taiwan	BV	343					
10	China	BY,BT	360					
11	Nauru	C2	288					
12	Andorra	C3	60					
13	The Gambia	C5	99					
14	Bahamas	C6	180					
15	Mozambique	C8-9	90					
16	Chile	CA-CE	172					
17	Antarctica	CE9/KC4	180					
18	Easter Island	CE0	210					
19	San Felix	CE0	186					
20	Juan Fernandez	CE0	188					
21	Cuba	CM,CO	183					
22	Morocco	CN	75					
23	Bolivia	CP	171					
24	Portugal	CT	67					
25	Maderia Island	CT3	80					
26	Azores	CU	77					
27	Uruguay	CV-CX	162					
28	St. Paul Island	CY9	54					
29	Sable Island	CY0	68					
30	Angola	D2-3	97					
31	Cape Verde	D4	103					
32	Comoros	D6	79					
33	Fed. Rep. of Germany	DA-DL	48					
34	Philippines	DU-DZ	339					
35	Spain	EA-EH	65					
36	Baleric Island	EA6-EH6	63					
37	Canary Island	EA8-EH8	84					
38	Ceuta and Melilla	EA9-EH9	70					
39	Ireland	EI-EJ	51					
40	Liberia	EL	101					
41	Iran	EP-EQ	41					
42	Ethiopia	ET	65					
43	France	F	56					
44	Crozet	FT8W	116					
45	Kerguelen Island	FT8X	121					
46	Amsterdam & St. Paul Is.	FT8Z	93					
47	Guadeloupe	FG	58					
48	Saint Martin	FJ,FS	150					
49	Mayotte	FH	79					
50	New Caledonia	FK	271					
51	Martinique	FM	149					
52	Clipperton Island	FO	246					
53	Fr. Polynesia	FO	233					
54	St. Pierre & Miquelon	FP	60					
55	Glorioso Island	FR/G	76					
56	Juan de Nova, Europa	FR/J,E	85					
57	Reunion	FR	79					
58	Tromelin	FR/T	75					
59	Wallis & Futuna Is.	FW	266					
60	Fr. Guiana	FY	144					
61	England	G	50					
62	Isle of Man	GD	48					
63	Northern Ireland	GI	48					
64	Jersey	GJ	54					
65	Scotland	GM	44					
66	Guernsey & Dep.	GU	54					
67	Wales	GW	50					
68	Solomon Islands	H4	290					
69	Hungary	HA,HG	48					
70	Switzerland	HB	54					
71	Liechtenstein	HB0	52					
72	Ecuador	HC,HD	191					
73	Galapagos Is.	HC8-HD8	201					
74	Haiti	HH	166					
75	Dominican Republic	HI	166					
76	Colombia	HJ-HK	169					
77	Malpelo Is.	HK0	191					
78	San Andreas & Providencia	HK0	193					
79	Korea	HL	341					
80	Panama	H0-HP	192					
81	Honduras	HQ-HR	202					
82	Thailand	HS	10					
83	Vatican	HV	57					
84	Saudi Arabia	HZ	51					
85	Italy	I	55					
86	Sardinia	IS0,IM0	60					
87	Djibouti	J2	62					
88	Grenada	J3	152					
89	Guinea-Bissau	J5	100					
90	St. Lucia	J6	148					
91	Dominica	J7	149					
92	St. Vincent & Dep.	J8	151					
93	Japan	JA-JS	332					
94	Minami Torishima	JD1	313					
95	Ogasawara	JD1	326					
96	Mongolia	JT-JV	1					
97	Svalbard	JW	15					
98	Jan Mayen	JX	25					
99	Jordan	JY	53					
100	United States of America	K,W,N,AAS-AK						
101	Micronesia	V6(E. Caroline Is.)	301					
102	Belau	KC6(W. Caroline Is.)	320					
103	Guantanamo Bay	KG4	193					
104	Baker, Howland Is.	KH1	278					
105	Guam	KH2	316					
106	Johnston Island	KH3	285					
107	Midway Island	KH4	299					
108	Palmyra, Jarvis Is.	KH5	272					
109	Kingman Reef	KH5K	272					
110	Hawaiian Island	KH6	289					
111	Kure Island	KH7	300					
112	American Samoa	KH8	261					
113	Wake Island	KH9	303					
114	Mariana Island	KH0	317					
115	Alaska	KL7	299					
116	Navassa	KP1	180					
117	Virgin Island	KP2	153					
118	Puerto Rico	KP4	155					
119	Desecheo Island	KP5	159					
120	Marshall Islands	KX6,V7	294					
121	Norway	LA-LN	36					
122	Argentina	LO-LW	172					
123	Luxembourg	LX	51					
124	Bulgaria	LZ	50					
125	Peru	OA-OC	180					
126	Lebanon	OD	51					
127	Austria	OE	51					
128	Finland	OF-OI	30					
129	Aland Island	OH0	36					
130	Market Reef	OJ0	36					
131	Czechoslovakia	OK-OM	47					
132	Belgium	ON-OT	50					
133	Greenland	OX	18					
134	Faroe Island	OY	38					
135	Denmark	OZ	43					
136	Papua New Guinea	P2	301					
137	Aruba	P4	168					
138	Netherlands	PA-PI	48					
139	Bonaire,Curacao(Neth.Antilles)	PJ2-4,9	165					
140	St. Maarten,Saba,St.Eustatius	PJ5-8	153					
141	Brazil	PP-PY	151					
142	Fernando de Noronha	PP0-PY0	126					
143	St. Peter & St. Paul Rocks	PP0-PY0	121					
144	Trindade & Martin Vaz Is.	PP0-PY0	135					
145	Suriname	PZ	147					
146	Bangladesh	S2	13					
147	Seychelles	S7	63					
148	Sao Tome & Principe	S9	94					
149	Western Sahara	S0	75					
150	Sweden	SA-SM	35					
151	Poland	SN-SR	44					
152	Sudan	ST	68					
153	Southern Sudan	ST0	75					
154	Egypt	SU	57					
155	Greece	SV-SZ	55					
156	Dodecanese	SV5	54					
157	Crete	SV9	56					
158	Mount Athos	SV/A	52					
159	Tuvalu	T2	263					
160	Kiribati(Gilbert&Ocn Is.)	T30	272					
161	C. Kiribati(Brit. Phoenix Is.)	T31	270					
162	Eastern Kiribati (Line Is.)	T32	252					
163	Ocean Island or Banaba	T33	272					
164	Somalia	T5	59					
165	San Marino	T7	55					
166	Turkey	TA-TC	47					

SN	COUNTRY	PREFIX	BEAM	80	40	20	15	10
167	Iceland	TF	33					
168	Guatemala	TG,TD	211					
169	Costa Rica	TI,TE	192					
170	Cocos Is.	TI9	196					
171	Cameroon	TJ	86					
172	Corsica	TK	58					
173	Central African Rep.	TL	80					
174	Congo	TN	86					
175	Gabon	TR	92					
176	Chad	TT	75					
177	Ivory Coast	TU	97					
178	Benin	TY	90					
179	Mali	TZ	89					
180	European Russian R.S.F.S.R.	UA1,3,4,6	6					
181	Franz Josef Land	UA1	8					
182	Kaliningrad	UA2	40					
183	Asiatic R.S.F.S.R.	UA9,0	360					
184	Ukraine	UB,UT,UY	42					
185	Byelorussia	UC	39					
186	Azerbaijan	UD	40					
187	Georgia	UF	41					
188	Armenia	UG	43					
189	Turkmenistan	UH	32					
190	Uzberkistan	UI	29					
191	Tadzhikistan	UJ	25					
192	Kazakhstan	UL	23					
193	Kirghizia	UM	21					
194	Moldavia	UO	45					
195	Lithuania	UP	39					
196	Latvia	UQ	37					
197	Estonia	UR	35					
198	Antigua & Barbuda	V2	149					
199	Belize	V3	206					
200	St. Christopher & Nevis	V4	149					
201	Brunei	V8	348					
202	Canada	VE,VO,VY						
203	Australia	VK	292					
204	Lord Howe Island	VK	263					
205	Willis Island	VK9	288					
206	Christmas Island	VK9	358					
207	Cocos-Keeling Is.	VK9	14					
208	Mellish Reef	VK9	282					
209	Norfolk Island	VK9	261					
210	Heard Island	VK0	132					
211	Macquarie Island	VK0	230					
212	Anguilla	VP2E	149					
213	Montserrat	VP2M	147					
214	British Virgin Islands	VP2V	153					
215	Turks & Caicos Island	VP5	168					
216	Falkland Island	VP8	169					
217	South Georgia Island	VP8,LU	158					
218	South Orkney Island	VP8,LU	165					
219	South Sandwich Island	VP8,LU	155					
220	South Shetland Island	VP8,CE9,HF0,LU,4K1	172					
221	Bermuda	VP9	132					
222	Chagos	VQ9	49					
223	Pitcairn Island	VR6	228					
224	Hong Kong	VS6	354					
225	India	VU	24					
226	Andaman & Nicobar Islands	VU	10					
227	Laccadive Island	VU	37					
228	Mexico	XA-XI	239					
229	Revilla Gigedo	XA4-XI4	245					
230	Burkina Faso	XT	86					
231	Kampuchea	XU	360					
232	Laos	XW	360					
233	Macao	XX9	353					
234	Myanmar (Burma)	XY-XZ	9					
235	German Dem. Rep.	Y2-9	45					
236	Afghanistan	YA	30					
237	Indonesia	YB-YH	335					
238	Iraq	YI	47					
239	Vanuatu	YJ	275					
240	Syria	YK	49					
241	Nicaragua	YN	202					
242	Romania	YO-YR	47					
243	El Salvador	YS	207					
244	Yugoslavia	YT-YU,YZ	52					
245	Venezuela	YV-YY	146					
246	Aves Island	YV0	167					
247	Zimbabwe	Z2	94					
248	Albania	ZA	53					
249	Gibraltar	ZB2	70					
250	Uk Sov. Base Areas on Cyprus	ZC4	52					
251	St. Helena	ZD7	115					
252	Ascension Island	ZD8	116					
253	Tristan da Cunha & Gough Is.	ZD9	134					
254	Cayman Island	ZF	185					
255	South Cook Island	ZK1	259					
256	North Cook Island	ZK1	259					
257	Niue	ZK2	258					
258	Tokelau Island	ZK3	268					
259	New Zealand	ZL-ZM	255					
260	Chatham Island	ZL7	238					
261	Kermadec Island	ZL8	253					
262	Auckland & Campbell Is.	ZL9	232					
263	Paraguay	ZP	160					
264	South Africa	ZR-ZU	108					
265	Prince Edward & Marion Is.	ZR2-ZU2	121					
266	(Namibia)S.W. Africa	ZR3-ZU3	106					
267	Penguin Island	ZS9Z/ZS1	106					
268	Walvis Bay	ZS9	106					
269	Sov. Mil. Order of Malta	1A0	53					
270	Spratly Island	1S	346					
271	Monaco	3A	57					
272	Agalega & St. Brandon	3B6,7	67					
273	Mauritius	3B8	77					
274	Rodriguez Island	3B9	71					
275	Equatorial Guinea	3C	92					
276	Pagalu Island	3C0	94					
277	Conway-Reef-3D2/C	3D2	265					
278	Fiji	3D2	267					
279	Rotuma Island	3D2	271					
280	Swaziland	3DA	101					
281	Tunisia	3V	66					
282	Vietnam	3W,XV	357					
283	Guinea	3X	100					
284	Bouvet	3Y	141					
285	Peter Island	3Y	186					
286	Malyj Vysotskij Island	4J1	33					
287	Sri Lanka	4P-4S	30					
288	ITU Geneva	4U	55					
289	HQ, United Nations	4U						
290	Yemen	4W	59					
291	Israel	4X-4Z	53					
292	Libya	5A	67					
293	Cyprus	5B	52					
294	Tanzania	5H-5I	81					
295	Nigeria	5N-50	86					
296	Madagascar	5R-5S	85					
297	Mauritania	5T	90					
298	Niger	5U	82					
299	Togo	5V	92					
300	Western Samoa	5W	264					
301	Uganda	5X	77					
302	Kenya	5Y-5Z	73					
303	Senegal	6V-6W	97					
304	Jamaica	6Y	180					
305	People's Dem. Rep. of Yemen	7O	56					
306	Lesotho	7P	103					
307	Malawi	7Q	86					
308	Algeria	7T-7Y	74					
309	Barbados	8P	147					
310	Maldive Island	8Q	40					
311	Guyana	8R	151					
312	Ghana	9G	94					
313	Malta	9H	61					
314	Zambia	9I-9J	91					
315	Kuwait	9K	46					
316	Sierra Leone	9L	101					
317	Malaysia	9M2,4	360					
318	Eastern Malaysia	9M6,8	342					
319	Nepal	9N	19					
320	Zaire	9Q-9T	96					
321	Burundi	9U	82					
322	Singapore	9V	8					
323	Rwanda	9X	81					
324	Trinidad & Tobago	9Y-9Z	153					
325	Abu Ail,Jabal at Tair	J2/A	60					
326								
327								
328								

"TOWER WORK"

Came across this on one of the Packet BBS's and thought that many had not seen it when it ran about 2 years ago. de W3PYF

A ham writing a letter to his insurance company explaining a recent misfortune.....

"I am writing in response to your request for additional information in block no. 3 of your accident reporting form. I submitted "poor planning caused the accident." You say in your letter to "explain more fully". I trust the following information will prove to be sufficient.

I am an amateur radio operator, and on the day of the of the accident I was at work on the top section of my 100 foot tower. When I had completed my work, I discovered that, over the course of many trips up and down the tower, I had brought up about 300 pounds of tools and spare hardware.

Rather than carry the now-unneeded tools down by hand, I decided to lower them using a small barrel and my "gin pole" still attached to the top of the tower. Securing the rope at ground level, I went up the tower and filled the barrel. I then went back to ground level and untied the rope, holding it tightly, to insure a slow descent of the 300 pound load.

You will notice in block no. 11 that I had given my weight as 150 pounds. Due to my surprise at being suddenly jerked off the ground at such a rapid rate, I momentarily lost my presence of mind and forgot to let go of the rope.

Needless to say, I proceeded at a rather rapid rate up the side of the tower. In the vicinity of the 50 foot level, I met the swiftly descending barrel. This explains my fractured collar bone. After momentarily slowing, I resumed my rapid ascent, not stopping until my hands were three knuckles deep in the pulley.

Fortunately, by this time, I had regained my composure and managed to hold onto the rope despite the excruciating pain. At about this time, however, the loaded barrel hit the ground and the bottom fell out of the barrel. Now, without the 300 pounds of tools, the barrel only weighed about 15 pounds. I refer you again to my weight in block no. 11. As you might imagine, I began a swift plunge down the side of the tower.

Again, at about the 50 foot level, I met the barrel coming up. This accounts for my two fractured ankles and the lacerations on my legs, thighs, and lower body.

The barrel encounter slowed me enough to lessen my impact with the pile of tools and hardware and I was extremely fortunate to escape with only a fractured coccyx and three crushed vertebrae.

I regret to report, however, that as I lay there on the pile of tools in excruciating pain, unable to stand, and watching the empty barrel, 100 feet above me, that I again "let go of the rope !!!"

VE TESTING FEBRUARY 7th
GREYSTONE BUILDING
NAZARETH

JANUARY VE TESTING REPORT
by Robin, WA3T

At the January 3rd session, 8 candidates took a total of 15 elements. There were four upgrades and one new licence, including...

Upgraded to Extra: John M Corcoran, KD3ZD
Harold C. Uhl, Jr. N3IVF
Upgrade to Techn: Tracey A. Howell, KA3ZJK
Robert E. Nicol
New Novice: Harry G. Zimmerman

The VE team at this session was:
Don Holmes, KC3II, Bob Puharic, WF3H and Robin Moseley, WA3T

The next session on February 7th; team 2 will be attending. Please call me if you are on this team and cannot make it, so that we can make sure we can properly serve the candidates.

73 de Robin, WA3T
Team Laison Alternate

DO YOU NEED COAX?

Paul, KA3MTY, wants to order a very large roll of RG213, for use this spring. If anyone wants to participate, call him on 70 or at his home. 433-8096.

All Amateur Radio Operators are invited to participate in the DLARC, RACES & ARES nets on 146.70 W3OK/rpt with an alternate of 145.11

The Nets are held on Sundays at 9:30 AM and on Wednesdays at 7:00 PM.

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* **DLARC INFORMATION LINE 820-9110** *

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The W3OK CORRAL is published monthly and is the Official Publication of the Delaware-Lehigh Amateur Radio Club Inc.

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1991

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All regular meetings of the D.L.A.R.C. are held on the first Thursday of each month at 7:30 PM at the Northampton County Community College

TALK IN ON 146.70

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Any comments or articles contributed to this newsletter should be addressed to

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