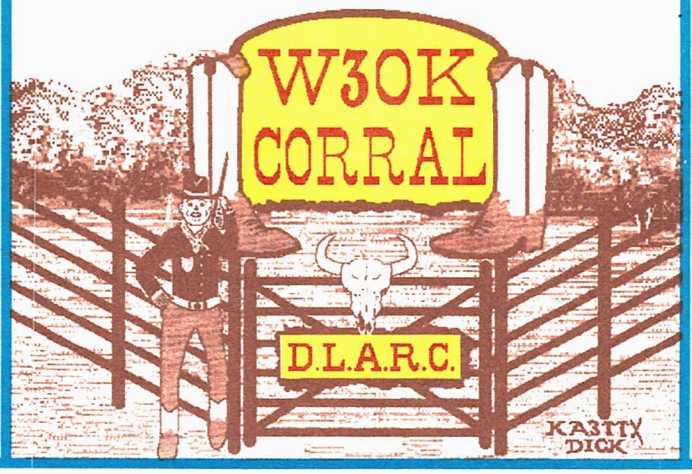
DELAWARE-LEHIGH AMATEUR RADIO CLUB, INC. W3OK

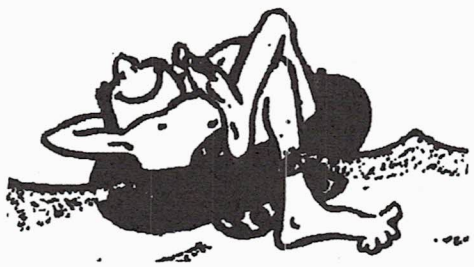
July 1992



SPECIAL SERVICE CLUB
ARRL

ARRL Affiliated Club

FROM RUSSIA WITH LOVE



GET READY
by Clarence, W3PYF

Derriere on the Delaware and Summer Splash are scheduled for July 26th. RACES and ARES will again be handling the communications for the safety of the runners and swimmers.

The race, which starts in Allentown and ends in Scott Park Easton is a fund raiser for the American Red Cross, will begin the day, with the DID taking over after 8:00 AM.

As in the past, the County Communication van will be used as the control point, and both repeaters will be on hand.

Please let me or KA3MOU know that you will be available, and your position will be assigned to you. Listen on the RACES and ARES nets for full information. At least 25 operators will be needed. Tee shirts will be available for those who operate.

EASTON HOSPITAL Road Runners

EASTON HOSPITAL RACE & WALK AUGUST 2nd
by Clarence W3PYF

On Sunday, August 2nd Easton Hospital will be holding their 5K RACE and RUN. Once again we will need about 8 to 10 operators. Please let either W3PYF or KA3MOU if you can help with this event.

ED KRITSKY, NT2X TO SPEAK ON RUSSIAN HAMS
by Bill, K3ANS, Program Chairman

Do you talk to Russian hams on the air? Have you found that conversations are more open now that democracy has begun there? Once, only signal reports, QTHs, names, and calls were exchanged. Now we gab like old friends. After all, they are more like us than different. Sure the Russian culture is different, but many of us can trace our heritage back to eastern europe such as Russia, Lithuania, Ukraine, Poland, etc. Ham radio played a major role in opening up communication through the old iron curtain. We were the first to talk freely. Ed Kritsky was born 1960 in Russia and operated ham radio there. When he emigrated to the US he kept his friendship up with hams back in Moscow, especially at the Soviet ham radio club stations. One of the friends is Romeo Stepanenko UB5JRR (Ukraine), who later became 3W3RR (Viet Nam), XYORR (Burma), YAORR (Afghanistan), 1S1RR (Spratley Island), etc. He was Romeo's interpreter at the 1992 Dayton Hamvention where Romeo spoke about his difficult Burma trip. Ed also arranged Romeo's tour of the US in 1991, including his visit to K3ANS.

Ed now lives in Brooklyn, NY and is active on the air. He has been featured in QST, CQ, DX Magazine, National Contest Journal, etc. and is very well known through out the world of international ham radio.

Now is your chance to hear about ham radio in Russia and the former Soviet countries.

Bring your friends to the Delaware-Lehigh Amateur Radio Club, Inc. meeting, 7:30 PM, July 2, 1992 in the Theater, Northampton County Area Community College, between Bethlehem and Easton, PA. Take PA route 191 south from US 22. Talk in on W3OK/R, 146.70 mhz.

de Bill, K3ANS

JUST THE MINUTES

by Chris, NU3L
Acting secretary

The June 4, 1992 meeting of the Delaware Lehigh Amateur Radio Club held in the auditorium at the Northampton County Community College was called to order by president Robin Moseley, WA3T, at 0735 PM. 91 members and 6 guests were in attendance. A motion made by N3GWR and seconded by W3PYF to accept the minutes of the May meeting as published in the June W3OK Corral newsletter was accepted. The treasurer's report was delivered by N3IGA (acting treasurer) showing a balance of $5459.05. W3PYF moved and N3GWR seconded a motion to accept the report as written and accepted.

Several new members were unanimously accepted into the club: Elmer Bush (W3FVT), Walter Talbott (N3MHW), Kurt Schweiker (N3MHY), John Becker (KA3YIU), James Duff (Call Pending), and Pierce Nichols (Call Pending).

The DX100 award #17 was presented to KA3WJF (Bob Milburn) by KU3X.

An update on the plans for the DLARC hamfest was given by chairperson WF3H. The board of directors has authorized an investment of $2000 from the club treasury to meet required initial expenses. Participants in various committees are needed and a sign-up sheet was circulated. For complete details see the article in this month's newsletter.

The VE test session to be held on 6 June 1992 was announced by WA3T. WU3M announced that a radio station will be setup at the Bethlehem Rose Garden Children's Festival during the weekend of June 6th. KA3ZGM announced that communications for the Multiple Sclerosis Pennsylvania Dutch Bike-A-Thon to be held June 13 and 14 will be handled by the DLARC. K3ANS announced upcoming programs; for details see his article elsewhere in this newsletter.

The plans for Field Day were announced by chairperson, KU3K. The date is June 27-28. Help will be needed to load the truck at Gracedale; please be there by 8 AM. Station team captains include K3ANS, NU3L, WU3M, and W3TDF. In addition WA3T will act as advisor to the novice station.

W3TDF made the final report of the constitution and bylaws rewrite committee. A motion to accept had been made at a previous meeting and tabled. Discussion was called for and hearing none K3CP moved and N3IGA seconded a call for lose of discussion; the motion was carried. The call for the vote on the new constitution and bylaws was made by President, WA3T; acceptance by the members in attendance was unanimous. A copy of the complete document will be distributed to the entire club membership during the fall.

A very educational and entertaining talk on computer design of antennas was presented by Ron Sigismonti, N3RS.

de NU3L, Acting Secretary.

ANNUAL GRACEDALE TEST

by Clarence, W3PYF

Ten members of the Northampton County RACES took part in the annual test on evacuation from the Gracedale building.

With Dave, N3HQE in the communication van, and Clarence, W3PYF in the W3OK control room messages to and from the hospitals were handled.

When problems arose on scene, Chuck, KD3SQ and Bob, KE3AW filled in to help expedite the movement of patients to the individual hospitals.

With Carl, KA3TEQ, and Bob, KA3TER at the Mulhenberg Medical Center, and Paul, KA3MTY with Bruce, KA3ONZ at St. Lukes Hospital, information flew back and forth regarding the number and types of injuries.

When a decision was made to forward some of the patients to Easton Hospital, Bob, WF3H, made the quick trip to fill that location.

Curt, KA3MOB, ran the commercial radios from the County van.

General feeling at the end of the drill was that if the movement of patients was as efficient as the radio communications, there would have been no problem.

WHERE ARE THEY NOW?

THE FOLLOWING IS A LIST OF THE FCC'S MOST RECENTLY ISSUED CALL SIGNS AS OF MAY 1.

DISTRICT	*GROUP A* EXTRA	*GROUP B* ADVANCED	*GROUP C* TECH/GEN	*GROUP D* NOVICE
2	AA2JA	KF2HT	N2QQG	KB2OUQ
3	WY3Z	KE3CO	N3MBO	KB3AAS

THE PREZ SEZ

Never Stop Learning!
by Robin, WA3T

We all have slightly different reasons for being hams. A few of us just want to talk to our friends, or make new friends over the air, without wanting to learn anything more than is needed to pass the licence tests. And that's OK.

Most of us are excited by the challenge of ham radio, and seek out learning experiences. We don't usually think of our ham activities that way, but our need to learn about and control our environment - our curiosity - is often our driving force.

Fortunately, ham radio is so rich in complexity that none of us will ever run out of opportunities to learn. As members of a large and vigorous club, we have a special advantage through our formal club programs. Just as important are our opportunities for informal interactions.

Thanks to Bill, K3ANS, the speakers at our meetings seem to get better each year. Where else could you hear experts like "Sig", N3RS, or our own Barry, KU3X, talk about ways in which hams are truly stretching the state of the art? Whether or not we want to run antenna modelling programs ourselves, or to build the best possible HF mobile setup, programs like this stimulate our brains and energize us for other activities.

It's been said that we only stop learning when we're dead. Or, to put it more positively, continually exercising the brain keeps it active and flexible; the equivalent of mental jogging. So far as I know, this doesn't yet mean that attendance at club meetings qualifies as a medical expense. Perhaps we should enlighten Blue Cross/Blue Shield about this!

The size and diversity of our club provides many learning possibilities through informal contact. If you are new to ham radio, don't be bashful about seeking information and guidance from "older" hams; you'll find them willing to help out in many ways, just as they learned from their Elmers. So come early to the club meetings, and ask around. You'll find people anxious to give you the benefit of their experience.

If you have knowledge or experience which could be interesting to other members, contact K3ANS and volunteer to talk at a club meeting, or consider talking to Chris, NU3L, about helping teach at one of our courses such as the Fall computer course.

Either way, keep learning, and help others keep learning. See you in the mental aerobics class!

73 de Robin, WA3T

MS BIKEATHON REPORT

by Bob, WF3H

The DLARC provided support to the Multiple Sclerosis (MS) bikethon during the weekend of June 13. Coordination was done by Bob, KA3ZGM, and consisted of maintaining communications for ambulances, sag wagons, and supply trucks for the 1200 bikers participating.

Using repeaters in Mt. Penn and Ephrata, we were able to cover the entire route from the Velodrome to Millersville University a distance of 85 miles. Bob, and Bob, WF3H arrived at Millersville on Friday to set up the command post.



This involved assembing and refurbishing antennas, running feedlines and testing rigs. Unfortunately by the time this was completed there was no time for sleep and they did not hit the sack for over 36 hours.

Van, K3CP provided contact at the Velodrome at the start, and Paul NOKIA, Rich, N3LUX, Bob, KE3AW, Bob, KA3ZRR, Terry N3HET, Diane N3JUC, and Bruce KA3ONZ also participated. Adrienne, KA3YEB brought up the "sweep wagon" to ensure that no bikers got stranded. She also kept track of support vehicles without radios.

We did have several emergencies including a broken arm. The command post provided communications between the ambulances and hospitals, and KA3ZGM, an EMT gave directions and handled the situations in a professional manner. We earned high praise from the MS society, ambulance crews and bikers. It was an exciting event, but it was nice to get home to a nice warm bed.

Thanks to all the volunteers de Bob, WF3H.

ARRL BRIEFS

from ARRL Newsletter

* Herb Schoenbaum, KV4FZ, has been convicted of telephone fraud in federal court in the U.S. Virgin Islands. In late April he was found to have made more than 1,000 dollars in unauthorized telephone calls, although the prosecution contended the actual amount was much higher, according to stories in the Virgin Islands DAILY NEWS.

Schoenbaum, who has been suspended without pay from his post with the St. Croix police department, is expected to appeal the conviction, which came in a jury trial. Neither Schoenbaum nor his lawyer will comment.

*The FCC has acted on a request by David Popkin, W2CC, for clarification of its rule regarding the waiving of the CW requirement for some disabilities. Calling it a "non substantive change," the Commission has re-worded the rule (97.505i) to make it more clear that the duration of a "severe handicap" must extend "for more than 365 days beyond the date of certification."

* On April 22 Estonia officially joined the International Telecommunications Union, bringing ITU membership to 168.

The Chinese Taipei Amateur Radio League (Taiwan) has applied for membership in the International Amateur Radio Union.

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SPECIAL SERVICE ARRL CLUB ANNOUNCES COLUMBUS EVENT

by Bill, WA3SCW

from ARRL Newsletter

Beginning now and continuing through November three special event stations will operate from Puerto Rico in conjunction with the GRAND REGATTA COLUMBUS 792-Fifth Centennial. According to the Puerto Rico Amateur Radio League, an ARRL Special Service Club, more than three hundred "tall ships" will be in Puerto Rico in June, and a number of social, cultural and sporting events are scheduled.

Three official amateur stations are planned: one from San Juan, the capital of Puerto Rico; one from Aguadilla at the "zone of the discovery" of the Island by Columbus; and one from the U.S. Coast Guard cutter "Eagle", which will be participating in the event.

A "Regatta Colon 92" certificate will be awarded to amateurs who contact seven stations as follows:

* The two Official Stations "KP4/500", one in San Juan and the other in Aguadilla, P.R.
* The "KP4/500" station on board the "eagle" and * At least four KP4, NP4 or WP4 stations located in Puerto Rico.

During the event the "KP4/500" stations will operate every evening starting May 20th.

"Eagle" QSOs will only be valid while the ship is sailing. Once the ship docks in San Juan, the contacts will not count towards the certificate. Only QSOs identified with a contact number will be accepted from the "Eagle".

Contacts must be made during the period May 20th at 1600 UTC through November 20th, 1992, at 0400 UTC (the day of the celebration of the discovery of Puerto Rico).

Primary suggested frequencies are 3897, 14250 and 21325 kHz; secondary frequencies are 7297 and 28497 kHz for SSB as well as 10106, 21063, and 28063 kHz for CW.

Certificates will be available from the Puerto Rico Amateur Radio League, Regatta Colon 92, PO Box 1907, San Juan, P.R. 00919-1-917.

73 de Bill/WA3SCW @ WB3V.MD
ARRL MDC Bulletin Manager

HAMFEST UPDATE

by Bob, WF3H, Chairman

This is the penultimate hamfest update, believe it or not. The date is almost here. We are down to finishing the dirty details (porta-johns, dumpsters and the like. Just one last appeal for ***VOLUNTEERS!!!! READ THAT AGAIN.... VOLUNTEERS NEEDED.***

We have distributed almost 20,000 flyers, and will be listed in CQ, QST, and other popular ham (and computer) mags. The word is that our hamfest is very well publicized, so attendance should be good. Please note that you should talk to N3JGX (Dave) if you're interested in tailgating, and to N3HQE (Dave) if you're interested in security/parking. If you want to help in clean up (and that is sincerely appreciated), please contact me, WF3H, Bob. Thanks, and cul

de Bob, WF3H

BECOME A MEMBER OF ARRL

**** CONTEST CALENDAR ****
by Barry, KU3X

July 4-5	Venezuela SSB DX Contest
July 8	W1AW Qualifying Run 10-35 WPM
July 11-12	IARU HF World Championship
	1st Annual N3IYU Under 21 Contest
	CQ WW VHF WPX Contest
July 18	Colombian Independence Day
July 18-19	Barcelona '92 Olympics HF
	AGCW-DL QRP Summer Contest
July 21	ARCI QRP Summer Home-brew Sprint CW
July 22	W1AW Qualifying Run 10-35 WPM
July 25-26	Venezuela CW DX Contest
Aug. 1-2	YO DX Contest

CONTEST TIPS #2

RF Attenuator: This can be a very useful tool on 80 and 160 meters. When the static crashes get bad and the overall noise level is high, try to use the RF attenuator. This will help prevent front end overload and get the signals down to a workable level. Using this tool on 160 meters can make the difference between copying and not copying a station from Europe.

73 de Barry KU3X

LETTERS

Exerpts from a letter that was received from the March of Dimes of Lehigh Valley by Amy, KD3TI

Delaware-Lehigh Amateur Radio Club

On behalf of the Executive Committee and the Staff of the LV chapter of March of Dimes Birth Defects Foundation, I would like to thank you for helping to make WalkAmerica a great triumph for 1992.

The Delaware-Lehigh Amateur Radio Club helped to make the day safe for our walkers, our chief concern. I have included pasess for Dorney Park Appreciation day on July 6th for your volunteers as a token of our thanks. I hope you will join us on this day of fun for all March of Dimes Volunteers.

Joseph P. Coponi, Chairman
Executive Committee

I will have these tickets at the July meeting for those who wish to attend.
Clarence W3PYF



WALTER BATT JR KV3G

Walter Batt, KV3G a dentist in Bethlehem for many years, and a member of DLARC became a Silent Key on May 31st.

Walt was a member of the DLARC for many years and although unable to drive during the last few years was often present at our meetings.

Walt who started as a laborer in the Bethlehem Steel plant in the early 50's, went on to Moravian College and then received his degree from Temple University in 1958.

He helped contact local residents' families during the Mexican City earthquake some years ago.

FREEBANDERS?

QST de W1AW
ARRL Bulletin 49 ARLB049
From ARRL Headquarters Newington CT
June 1, 1992
To all radio amateurs

On May 22, 1992, the FCC Field Operations Bureau announced that it has issued notices of Apparent Liability for Monetary Forfeiture to 54 freeband radio operators. Freebanders engage in illegal and unauthorized Citizens Band type activities just outside authorized CB frequencies.

According to the FCC news release, unauthorized operation is a serious matter that will continue to receive enforcement action.

The forfeitures range from 250 to 3500 dollars depending on the nature of the violation, whether the violations were repeated and other factors.

JOIN THE ARRL
CONTACT DICK, KA3MOU
MEMBERSHIP IS NOT JUST A MAGAZINE SUBSCRIPTION

PA QSO PARTY RESULTS 1991

by Ray, W3TDF, QSOPTY Chairman

The results are in the hands of the participants. For the non-participants here are the highlights. Dauberville beat us by a margin of 88,937 points. We had 2 scores not included, one lost and one not submitted, which would have cut the margin in half.

LET'S FOOL MURPHY, GET BACK THE TROPHY

The Mobile plaque, sponsored by the DLARC, was won by K8HVT again.

We had 7 County/Section winners as follows:- Bradford-W2CCE/3, Carbon-KO3M, Greene-W3TDF/3, Lehigh-K3NZ, Monroe-K3WPI, Northampton-K3ANS, NNJ-N2LAU.

K3ANS was 2nd high in PA overall, W3TDF 2nd high Portable, K3WPI 2nd high QRP, and N2LAU 4th high out-of-state.

DON'T BE LOAF(Y), GET BACK THE TROPHY

73 de Ray, W3TDF

LES LOHRMAN WA3ENE HONORED

Pennsylvania Army MARS, announced that Les Lohrman, AAR3HJ, (his MARS call) would receive a trophy honoring him as "OPERATOR OF THE YEAR" for his excellent staff and message handling.

UP TO SPECS

from REMARCs & 1992 Radio World Directory

NEW - Different Color from previous design.
ALL NEW - Parts not interchangeable with previous design
FUTURISTIC - No other reason why it looks the way it does
UNMATCHED - Almost as good as the competition.
REDESIGNED - Previous faults are corrected, we hope
YEARS OF DEVELOPMENT - We finally got one that works.
FOOLPROOF OPERATION - No provision for any adjustments
MICROPROCESSOR CONTROLLED - Does things we can't explain.
24-HOUR SERVICE - Given 24 hours, we can usually find a technician to ignore your problem.
MEETS ALL STANDARDS -Ours, not yours.
SATISFACTION GUARANTEED - See "Meets all standards"

THE LETTER 'E'

by Steve, W3HFT

Someone has advanced the opinion that the letter 'E' is the most unfortunate character in the English alphabet, because it is always out of cash, forever in debt, never out of danger, in hell all of the time and has never been in God's country. But we call attention to the fact that 'E' has doubled up on freedom and is never in war and always in peace.

It is the beginning of existence, the commencement of ease and the end of trouble.

Without it there would be no meat, no life, no Heaven. It is the center of honesty, makes love perfect and without it there would be no editors and no news.

And after all that, it is the easiest letter to learn in Morse code, just one "dit".

de Steve, W3HFT



ROY HILDENBRANDT

K3OZU

Roy, K3OZU died recently. Although not a member of the club now, until his recent illness, he was regular on the RACES and ARES nets.

Roy the brother of Larry, K3TSO also a silent key and Lamar K3FEA, of Easton was a former employee of the Post Office department in Nazareth and Lehigh Valley was army veteran of World War II, serving in the Pacific Theater.

He and his wife Marcella, celebrated their 49th wedding anniversary recently.

Roy is survived by two daughters, Dolores Danser and Linda DeCesare and one son Wilson of Phoenix Arizona.

73 Roy from Clarence, W3PYF and DLARC

DLARC INFORMATION LINE

820-9110

CALL FOR CLUB INFO

IMA LIDD

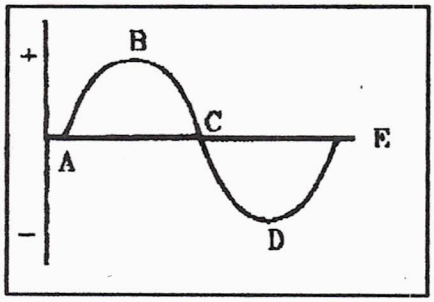
A Dipole Antenna

by Van - K3CP

Ima Lidd asked Elmer, "What is a dipole antenna? Oh, I know what it is, but what makes it tick? What is the theory of its operation? What is radiation resistance? What is feed point resistance? What is the meaning of 1/4, 1/2, and full waves? What do people mean when they say a good ground is difficult to get on all bands?"

"Hello to you too, Ima," replied Elmer. "Boy, that's a lot of questions, but they are all intelligent ones and I am happy to hear you ask them. It means you are learning this radio hobby of ours.

"The first part of the word is the key. According to Webster, Di means twofold or twice which is appropriate because there is one 1/4 wave (pole) at each side of center. The first thing you must understand before any antenna theory will make any sense is the importance of one quarter, one half and one full wavelength and their relationship to frequency."



"OK, I know that the frequency increases as the wavelength gets shorter," said Ima.

"Yes, but there's a lot more to it than that," said Elmer. "Remember that radio frequency (RF) is an alternating current wave that can be measured in cycles per second. The entire cycle is known as one full wavelength. The parts above and below the line are each 1/2 wave long. A very important fact is that 1/2 wave is the most common unit that is used by Hams. See figure 1. Look at the part above the line, Ima. Tell me what you see."

"I see that it starts at zero, rises to its maximum value and then returns to zero and then does the same thing in the opposite direction," answered Ima.

"That's right," replied Elmer. "It starts at zero, point A, rises to its maximum, point B, and returns to zero at C. Points A,B and C all occur on the positive half of the cycle. Now it REPEATS itself, but in the opposite direction. The wave now starts at zero and rises (below the line) to the maximum amplitude at point D. It now finishes the complete cycle by returning to zero at point E. The reason it is difficult to get a good RF ground is evident by examining figure 1. For this discussion we will look at figure 1 as a voltage wave. At point A, the voltage is at zero which is a short circuit condition."

Ima interrupted. "How do you know that there is a short at point A, Elmer?"

"Good question, Ima. Think about the voltage that would appear across a short circuit."

"OK, OK," replied Ima. "I got it - no voltage appears across a short."

"That's right," said Elmer. "So at point B where the voltage is maximum there is a theoretical open circuit (high resistance.) So if our ground wire was 1/4 wave long we would have a high resistance. Not a good condition for a ground. Every odd quarter wave is a high resistance point. But look at every even wavelength (2/4) and you see a point of zero resistance. A good ground can be had here.

"If you connect a 1/2 wavelength feed line to a dipole having a resistance of 72 ohms, you will have 72 ohms at the other end. It repeats itself. If you drive a ground stake into the seashore at the water's edge and connect your rig to it with a 1/4 wavelength wire, what will your rig see in terms of resistance to ground?"

"Well," replied Ima, "a 1/4 reverses itself. You would have a good ground (low impedance) at one end, but a very high impedance or no RF ground at all at the other end."

"Right you are, Ima," said Elmer. "A wire just eight feet long between the stake and the rig would be like an open circuit - or no ground at all on ten meters."

"Wait a minute, Elmer," interrupted Ima, "if I made the wire a little over 16 feet it would be 1/2 wave length and a low impedance to the stake."

"Yes, but we are out of space, Ima. We will finish this talk later and also answer your questions about feed point and radiation resistance. See you next time."

de Van, K3CP

Digital Communications
by Joel K9TBD
A 'Lil bit of Software

Many hams today are using a thing called a PC (Persona non-Comptabile). Here is a short article which may help make this beast a little more 'Compatible.

One of the most intimidating things that I have seen in our Modern Times is the computer. The books are unreadable, the instructions tax the most experienced, and the Red-White-Blue screens do things only for Uncle Scream. Here is a little help for the 'Great White Plague' on man-kind.

DOS, of various vintages is a program which sits just above your hardware. It is a 'Disk Operating System'. That means that most of it resides on your disk (floppy, hard-drive, CD, whatever is next) and is called into main memory upon your request. It provides the communications between the user (you) and the innerds of a machine. You type something like DIR and these keys are read by a command interpreter, forwarded to DOS, DOS makes a decision as to what you mean and if you made no typing errors - performs what you anticipated - a DIRECTORY listing - presented on your screen.

DOS has many features which have not been exploited by the user. You can read the book but it doesn't make any sense. Try some of these things right at the DOS prompt and see what happens:

```
DIR  {this gives you a directory - list of  files}
DIR > FILE {this puts the same thing into a file
called FILE}
DIR ¦ SORT > FILE {sorted directory into a file
called FILE}
```

Try this:

```
COPY CON TEST.BAT
dir %1 ¦ sort/r > x.x
^z (control z)
```

That just created a little batch file called TEST.BAT. If you execute this little batch file with the following DOS command:

TEST *.EXE

The following will happen: The program (you just created - called TEST.BAT) will be run. It looks for text on the same line as the command - this is brought in as the variable '%1'. '%1' inside the program gets replaced with the sequence '*.EXE', a directory of all Executable files ending in '.EXE' is created, the stream of file names is 'piped' (vertical bar) from the output of the DIR program into the input of the SORT program, the sort program then takes these input and takes the first field (the file names) as the sort key, sorts the information in '/r - reverse ordered (Z-A)', sort then passes the sorted list (instead of to your screen) to a thing called X.X which is a file. You then may say something like:

TYPE X.X ¦ MORE

This command types the previously created list (sorted directory) into a program called MORE (a filter) which gives you a screen at a time and asks you if you wish: -MORE- to which you respond with a RETURN key. If you wish to stop all you do is to type a ^C.

For DOS, I do not use a MENU program or WINDOWS or this or that to have the machine do what I want it to do - rather, I just write a little batch program such as:

WP.BAT

which contains:

```
c:
cd \WP51
WP %1
```

and load it into a UTIL directory which is in my PATH. What happens when I type WP? If I am in the WP51 directory, the program WP.EXE in envoked with a file that I have specified on the WP command line as would be expected. If I am in some other directory, the BATch file WP.BAT is envoked with the file name on the command line and DOS switched over to the WP51 directory and envokes the program called WP with the parameter %1 that was supplied on the command line.

This is much quicker than selecting a program from a menu then selecting some option to get the files that are available, then selecting that file, and all it takes is reading up on what BATCH files are all about and making a few that are specific to your use.

Get your DOS book out and look up: ASSIGN, BACKUP, BREAK, CHDIR, CHKDSK, CLS, COMP, COPY, CTTY, DATE, DEL, DIR, DISKCOMP, DISKCOPY, EXE2BIN, EXIT, FIND, FORMAT, GRAPHICS, MKDIR, MODE, MORE, PATH, PRINT, PROMPT, RECOVER, REN, RESTORE, RMDIR, SET, SORT, SYS, TIME, TREE, TYPE, VER, VOL - these are only a few simple commands, but each is worth looking into. For DOS 5.xx users, just type HELP and any of these commands to see what they do.

Get into DOS and you will profit by your time expended. Perhaps later this year a club talk with possible followup sessions is in order. de Joel, K9TBD

JUNE VE RESULTS
by John, KX3C

At the June 5 VE exam, 10 candidates took a total of 13 elements. There were 4 up-grades. Those who up-graded were:

William R Petrey, KA3NSC, Advanced.
Joseph N Nathanson, N3IPK, Advanced.
Jay A Johnson, N2MGA, General.
Robert S Gilson, new Technician.

The VE team at this exam was: Chris Hornaman, NU3L; E.P. Ballinger, WU3T; Robin Moseley, WA3T and John Greenage, Team Liason, WX3C. The next scheduled exam will be on July 3 at 7:00 p. m. and team 3 will participate.

73 de John, WX3C.

NEXT VE TEST JULY 3rd
GREYSTONE BUILDING
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WHERE DID THE BUGS COME FROM?
courtesy Rod, K3GYJ

With all the recent talk hereabouts regarding "bugs", I thought it well to note that the authentic "inventor" of the term "bug" (as it is applied to computers) died this past New Year's Day.

For those who might have missed the obituary, here is a synopsis from the 03Jan92 edition of the NY Times.

"Rear Adm. Grace M. Hopper Dies; Innovator in Computers Was 85"

"Rear Adm.Grace Murray Hopper, retired, a mathematician and pioneer in data processing who was a legendary figure among both computer scientists and industry executives, died New year's Day at her home in Arlington, Va."

"Admiral Hopper, who was 85 years old, had been in ill health recently, family members said and died in her sleep, apparently of natural causes."

"Admiral Hopper made several vital contributions to the development of modern computing systems, including helping invent Cobol programming language, which is still in widespread use in business." "...National Medal of Technology" "...PhD from Yale" "...in 1949 she worked as a mathematician at the Eckert-Mauchly Corporation." "...who had devel-oped one of the world's first electronic computers, ENIAC," "Her work led to the first practical compiler for modern computers."

"Among her many contributions, Admiral Hopper is known for coining the term 'bug' which is widely used to refer to mysterious computer failures."

"The first bug actually was --a moth, as Admiral Hopper told the story. It was discovered one August night at Harvard in 1945 inside the Mark I."

The Mark I was a calculating device, a precursor of electronic computers.

"'Things were going badly, there was something wrong in one of the circuits of the long, glass-enclosed computer,' she is quoted as saying. 'Finally, someone located the trouble spot and, using ordinary tweezers, removed the problem, a two-inch moth. From then on, when anything went wrong with a computer, we said it had bugs in it.'"

So when you chase bugs or curse them or whatever, give a thought to the venerable Dr. Grace Hopper, a true pioneer and self described boat-rocker, who in many ways helped put your fingers on that keyboard in front of you now and that PB/PG program (bugs and all) in your PC!

de Rod, K3GYJ

STOLEN RIG!!

A Kenwood 741 tribander was removed from the locked car in front of my house Saturday June 6th between the hours of 6 and 8 pm (still light) the serial number is 30700093 and is stuck on crossband and will not xmit via the mike if you come across it let me know thanks.

de Vic, N3IQD

LET'S WELCOME VISTORS TO OUR REPEATER
by Clarence, W3PYF

When you hear visitors to our area calling on W3OK repeater, why not take the time to at least say hello, don't just wait for only your friends.

Let visitors to our area feel that they are welcome.

For those of us who have travelled to other areas, the feeling that no one will answer is a disconcerting, when two seconds later a call is heard by one of our members to another.

de Clarence, W3PYF

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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****

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Technical Editor - Wm Van Horn..,K3CP...691-5979
Digital Editor - Joel Elston.....K9TBD..252-1515
Yankee Doodlings - Blair Bates...K3YD...865-0687
Circulation - Dick Peischl.....KC3CR..759-0294
Mailing List - Clarence Snyder...W3PYF..252-2109
Printer - Norm Zoltack.....K3NZ...799-4044

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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

CLARENCE SNYDER W3PYF, Editor
717 PORTER STREET
EASTON, PA 18042-1548

DELAWARE-LEHIGH AMATEUR RADIO CLUB, INC. W3OK

The W3OK CORRAL

RR 4 Greystone Building
Nazareth, Pennsylvania 18064-9211

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