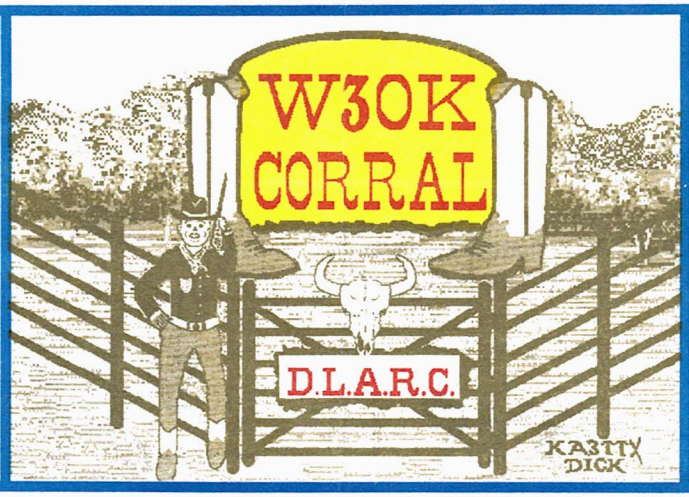
DELAWARE - LEHIGH AMATEUR RADIO CLUB, INC. W3OK

August 1994



SPECIAL SERVICE CLUB
ARRL

ARRL Affiliated Club

DLARC HAMFEST AUGUST 14

Get Ready for Sunday August 14

by Bill, K3ANS

Are you ready for a good time? All the committees working hard for your DLARC hamfest, August 14, are excited about our potential for a leading radio convention by the leading ham radio club in the region. See you before 6 AM at the **Career Institute of Technology,** Easton, so you can help make it click and have fun.

We need help with ticket sales, parking, tail gate set up, inside vendor set up, security, forums, FCC exams by the Volunteer Examiners, administration, the public address, keeping everyone happy, and clean up. If you have not yet volunteered, please do so now. Call any of the DLARC officers or directors, hamfest committee leaders, and me. Even if you do not call, just show up and you can join the fun. We get tremendous satisfaction from building our DLARC hamfest and computer show into a major attraction. Don't forget all the good breakfast and lunch meals served by the Career Institute of Technology staff and students.

We even have a pig roast scheduled, so come hungry! Tell your friends. Last chance to distribute our flyers and increase the attendance.

The greater our attendance, the greater our revenue, the more profit we make, the more services and equipment DLARC may provide.

If possible, join us Saturday August 13 for set up and early check ins.

Bill Goodman, K3ANS,
DLARC Hamfest Chairman.

Easton Hospital Run Sunday Aug. 7

EASTON HOSPITAL Road Runners

Once again we have been asked to handle the safety communications for the Easton Hospital Run to be held on Sunday August 7, in Easton.

Contact **John, N3IGA** if you can help.. We will have to have about 8 people for the 3 hour affair. You will have to be at the Hospital parking garage at 8:30 AM and will be done by about noon.

Those who operate will again receive Tee Shirts.

de Clarence W3PYF

August 4 Meeting Kiva Hall 7:30 PM

by Greg, KB2ANG, program chairman

Emergency communications during an oil spill response

Tom, N3LLL will present a program depicting the communications systems deployed by petroleum producers and pipeline companies in order to respond to emergency situations.

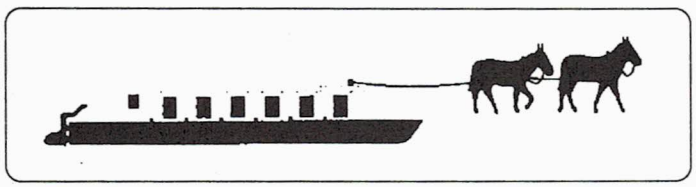
The presentation will include the review of command centers as well as the various radio and satellite equipment designed for portable rapid deployment.

Kiva Hall, Northampton County College 7:30 PM, talk in on 146.70 if needed.

CANAL FESTIVAL SPECIAL EVENT A FLOTILLA OF FUN

by Brad KA1RAH and Rich N3NXF

Saturday, July 9, was a terrific day for DLARC members who participated in the W3OK Canal Festival Special Event from the deck of the decommissioned Josiah White.



The following participants who made the event a success: Jeff N3QZT, Bob N3QZR, Scott Werkheiser (awaiting call), Dave N3JGX, Gary N3PNT, Glenn K3MGP, Bud WA3BOM, Bob N3OLH, Dick KA3MOU, Charlie N3LXF, Bill K3ANS, Dan N2LAU, Van K3CP, Andy N3NLA, Rob KA2NYB, and George N3OWG.

Our special event station consisted of one rig running strictly 10 meters (on an A-99 vertical), and another rig splitting the 15, 17, 20, 40, and 80 meter chores (to a G5RV). We made a total of 267 contacts with a breakout as follows: 80 meters (1), 40 meters (56), 20 meters (105), 17 meters (5), 15 meters (4), 10 meters (87), and 2 meters - simplex 146.52 - (10). Most of our contacts were SSB or FM voice, but several hams requested a CW contact and were accommodated. We talked to a total of 31 states and 10 foreign countries (Canada, Columbia, Ireland, Denmark, Netherlands, Hungary, Germany, England, Italy, and Paraguay).

The day started out very foggy, but the sun burned through and provided us with a beautiful day. In addition to the 267 contacts we had many visitors stop by and watch us with interest. We even invited a woman on board to talk to a Florida contact because she couldn't believe that we could talk to someone from Florida on a radio. She talked to the Florida ham, and after some interrogation, became convinced, and very excited about the opportunity to talk on the radio.

Set up and take down both went smoothly and all borrowed equipment was returned to its owners.

DLARC thanks to Hugh Moore Park Staff for allowing us to stage this very successful special event station. We eagerly look forward to running W3OK from the Canal next year.

Ten meters (you know, the dead band) got the second highest number of contacts. There are many Novice/Tech Plus hams out there looking to work Special Events, and we hope this will show some of you that we can add to everybody's enjoyment of Amateur Radio.

de KA1RAH & N3NXF

Field Day big success

by Bob, KU3K, Field Day chairman



It just happens to be one of the best times in all of amateur radio. The experience of just watching the "team" in action was a great pleasure! 94 FD held again at the Plainfield Township Fairgrounds ran more smoothly than any other in recent memory. Everyone who visited the site came to work, either as a grunt moving equipment and antennas, or an operator for some or part of the weekend. Of course several were there to offer assistance for the entire session. It seemed almost automatic when just enough people were on hand to hoist the big tower while several others took on the task of firing skyhooks over the trees for the dipoles. Special recognition must be given to the Novice operation and all the fine new operators who managed to grab 300 QSO's and manned the position for the entire weekend, sometimes with three people during the overnight! I just got this great feeling that the future of ham radio is pretty solid when these folks were calling CQ into the ether on 10 meters at 4 in the morning...AND WORKING STATIONS! To Hell with poor sunspot activity!!!

The DLARC can ready itself for any operating emergency within a few hours. Our equipment including radios, antennas, generators (we have 6 at our disposal) ran without flaw. The FOOD was perfect and there was PLENTY to drink (much of the beverage remains for the picnic). All this and minimal static crashes with just a few drops of rain! What more could anyone ask for.

RAW SCORE 7506 with a CLAIMED BONUS of 1200 Points FINAL SCORE = 8706 THIS IS THE BEST 3 TRANSMITTER CLASS SCORE WE HAVE EVER HAD!!!

de Bob, KU3K, FD Chairman

The 1993 PA-QSO Party

by Ray W3TDF, Party Chairman

Thanks again to all who participated, in the 1993 PA QSO party. The following plaques were presented at the DLARC July meeting:Score of 100K and above - Bill, **K3ANS;** Don, **W3LR**; Van, **K3CP**; Ray, **W3TDF** and Norm, **K3NZ>** For 50K up to 100K - Bob, **KU3K;** Laing, **KB3TS**; Joe, **N3MKZ**; John, **N3IGA**; George, **N3OWG** and Ike, **N3IK.**

Certificates of appreciation were issued to all the remaining 46 participants, namely:-

N3GLZ - John; **N3GWR** - J.P, **KO3M** - Anne; **WX3C** - John; **WM3B** - Victor **W2CCE** -Bob; **N3EBH** - Tom **N3NLA** - Andy; **N3KWN** - Phil; **WC3Y** - Ken; **WA3IHX** - Bill **N3OUC** - Mike; **N3GXW** - Norm; **WO4H** - Alan; **WU3M** - Beorn; **KA3TEQ** - Carl; **N3MHW** - Walt; **W4YID** -Bud; **W3XM** - Andy ; **KE3AW** - Bob**; NQ3D** - Mike; **K3GOX** - Bob; **WA3BOM** - Bud;**WA3HVR** - David; **KA3JWE** - Don; **NC3P** - Bill; **WD5BRP** - Dave; **KC3QO** - Tim; **KD3SQ** -Chuck; **N3LXF** Charles; **W3ECT** - Andy **W3FVT** - Elmer; **KD3YE** - Nick; **KA3OEG** - Bill; **WA2TWS** - Roy; **N3LAI** - Chuck; **N3NVA** - Barry; **K3YD** - Blair; **N3EYT** - Dave; **N3NNI** - Darrel; **K9TBD** - Joel; **KU3X** - Barry; **N3LLL** -Tom; **N3NXF** - Rich; **W3PYF** - Clarence; **N2MWQ** - John;

We now have the Trophy, sponsored by the Nittany club, for the 4th time, since it was first introduced 11 years ago.

The Radio Club of Erie and the Murgas clubs have both won it 3 times each. The only other club to win it was the Dauberville, when we became too complacent and let them in the back door 3 years ago. (We ain't gonna let em do that agin, are we?).

Currently the trophy is at Laings QTH until next meeting at which time someone else can take it for a month for display. If you would like to take it for a month, let me know. **DON'T FORGET, OCTOBER 8 & 9.** That's our next chance to win it again. At the September meeting I will attempt to field questions on such things as tactics, error avoidance in logging etc. Get your antennas up and be ready. **de Ray, W3TDF**

Radio Station MGY

A Story of Early Radio-Telegraphy (spark, not CW)

by Robert A. Duerr, AA8FK

Morse is the classic language of radio. What adventure might the next twist of the dial bring? What tales of disaster await somewhere on the band? What country under siege? What old friend's "fist" waits to be recognized? The signal...strong at first, then fading...a ship in distress?

It is Sunday evening in April, and John Phillips, chief radioman of shipboard radio station MGY, attempts to work his way through the backlog of messages to and from station MCE at Cape Race, Newfoundland. At 2140 hours, Phillips' Cape Race contact is interrupted by a message from another ship, warning of ice in the area. Phillips chooses to "spike" the message. He has already carried several general ice warnings to the bridge.

At 2300 hours, as he strains to hear Cape Race, a loud spark signal hurts his ears. A freighter only 20 miles away sends, "**MGY DE**...." But Phillips reaches for his key and interrupts the intruder,."**QRT DE MGY QRL QRL."**

The only radioman aboard the nearby freighter, Cyril Evans, exhausted after his long work shift and now angry at being rebuffed, secures his equipment. Evans places the undelivered message on the console and turns in for the night. The message is an attempt to warn Phillips that the freighter is stopped and surrounded by ice-bergs.

At approximately 2340 hours, the coffee in Phillips' mug ripples slightly. Soon the surface of the coffee slants to one side.The ship, having struck a berg, lists to starboard and is down by the bow.

At the direction of his captain, Phillips sends the old distress signal **"CQD CQD CQD DE MGY MGY MGY**..." Later the captain tells him to use the new distress signal, "SOS." Phillips continues to send distress signals long after the "abandon ship" order is given.

At 0220 hours on April 15, 1912, radio station **MGY** slips beneath the cold, uncaring sea and Radioman Phillips perishes with 1,520 others. The ship that carries the radio call letters **MGY** also bears the nameplate **"TITANIC."**

from the July '93 Triple States RAC "TSRAC Bulletin"_Ralph McDonough, K8AN, Editor_who credits the Dayton ARA "RF Carrier"_Jim Nies, WX8F, Dave Morris, N8EEK, Editors

Novice/Tech Classes to begin

by Chris, NU3L



Classes for the Novice/Technician licenses will be sponsored by The Delaware Lehigh Amateur Radio Club. Classes will be held on **Monday evenings starting September 12, 1994** in Nazareth, PA. They are free and open to any prospective ham.

For a complete information package potential students should call the DLARC telephone answering machine at **(610) 820-9110.** After the messages are finished they should leave their name, complete address, phone number and a brief message.

Health Care?

by Steven, N1OHX



What with all the healthcare controversy that's been raging lately, I thought it might be nice to shed a little light on the subject.

The following is a list of common healthcare terms, with their meanings, so that the next time Hillary boo hoos on the evening news, you'll have a little background to work with...

Artery--The study of paintings
Bacteria--The back door of a cafeteria
Barium--What you do when a patient dies
Bowel--A letter like a,e,i,o or u
Cesarean Section--A place in Rome
Cat scan--Searching for kitty
Cauterize--Make eye contact with her
Colic--A sheep dog
D & C --Where Washington is
Dilate-- To live long
Enema-- Not a friend
Fester-- Quicker
G.I. series-- Soldiers ball game
Hangnail-- Coathook
Impotent-- Distinguished, well known
Labor pain-- Getting hurt at work
Medical staff-- A doctors cane
Morbid-- A higher offer
Nitrates-- Cheaper than day rates
Node-- Was aware of
Outpatient-- A person who fainted
Pap smear-- A fatherhood test
Pelvis-- A relative of Elvis
Postoperative-- A letter carrier
Recovery room-A place to do upholstery
Rectum-- Dang near killed 'em
Seizure-- A roman emperor
Tablet-- A small table
Terminal illness-- Getting sick at the airport
Tumor-- More than one
Urine-Opposite of your out
Varicose-- Nearby
Vein-- Conceited

Remember, healthcare is a right, not a privilege!!!
de Steven, N1OHX

For Sale

Roger, WA2HXQ has the following for sale:

A-147-4 Cushraft 4 el 2meter beam...	$30.00
80-10meter Vertical (Lafayette)	$20.00
1 KW Breadboard Antenna Tuner	$20.00
ARC5 Transmitter (719)	$10.00
Orbit 360 Rotator With Controls	$30.00

If interested call Roger at 610 867-3596.

New enforcement tool for FCC

from Amateur Radio Newsline 131

The Federal Communications Commission has shown off a new vehicle equipped with two computers, a color printer, complete with a satellite receiver in the trunk. This car when driven through cities and neighborhoods can detect unlicensed radio signals and signals that cause malicious interference.

By months end the FCC will have ten such cars, each installed with $75,000.00 worth of electronic equipment. The Commission would not say which field offices will get the first cars. The goal is to provide each Field Office with at least two of these cars.



The Prez Sez

by Bob, KE3AW

August! Already? Yes, and with it come the DLARC Hamfest and the DLARC Picnic. If, by now, you are still unaware of the hamfest, it will be held on Sunday, August 14, at the CIT in Easton. Your time helping will be of great benefit to the club. You also will have time to see the hamfest as a buyer. It's a DLARC big event and a fund raiser that allows the club to do more things without raising dues.



A week after the hamfest, on Sunday, August 21, members and family are invited to the annual DLARC picnic at Hacketts Park in Easton. It's not a requirement, but helping in the picnic planning or at the picnic will be appreciated. We expect Marvin, KA3TEO, to be there with the music, and Ray, W3TDF, with his horse shoes and challenges to all. We would like to see you there, too!

In June we received a **"Superior"** award from **ARNS** for our **W3OK Corral** newsletter. We thank Clarence, W3PYF, for the continuing fine job, but as he points out, he is the editor. We look for members to write articles. If that is your thing, give it a go.

In June we also had a great turn out and a high score at Field Day. The stations went up like clockwork. Hams learned new hints on setting up stations and operating. Thanks the organizer, Bob, KU3K, and to all the participants-- construction crews, operators, loggers, and visitors! Thanks also for the great spread that Barry, KU3X, and XYL organized, the delicious Sunday breakfast provided by Beorn's (WU3M) parents, and the many treats brought in.

Generally each month there is at least one DLARC function to be involved in. With over 430 members, however, there is always the chance of people possibly feeling they are on the outside -- or being overlooked. This is not intentional.

If you are not in club activities -- but want to be -- make a call to any of your committee members listed on the back cover of each newsletter. The good times in the club aren't reserved for just a handful of members. They are for all DLARC members. ***de Bob, KE3AW president***

Something to think about

by Clarence W3PYF, editor W3OK Corral

For years the W3OK repeater, 146.70 has been known as the **Friendly Repeater**. Recently, I have noticed that when a strange call comes on the machine, they are completely ignored, because they are not known.



I am sure that many of you, have as I have, been in a strange area, stood by of the local repeater frequency and within 1 minute, someone is on there calling another local. Let that not happen here if we can help it.

I know I try, and that is even if it a local member of the club, and regardless of what I am doing, will say at least a hello. Let's all monitor 70 and make it what it was before, The **Friendly Repeater.**

We have a 430 member club, let's monitor the repeater whenever we can.

de Clarence, W3PYF

July 8, VE Session

At this session, ten candidates took a total of thirteen elements. There was one upgrade, and three new licenses...

Thomas G. Shanahan, N2TTQ to Advanced

Roger D. Dunn	**new Technician**
Matthew R. Hontz	**new Technician**
Melissa Ruggiero	**new Technician**

The VE's at this session were Bill, K3ANS; Glade, WA3MVQ; Bill, NS3J; Bob, KE3AW; and Robin, WA3T.

The next test session will be on August 5th; team 4 will be in attendance.

73 de Robin, WA3T, Team Liason Alternate

Something to think about

Jim Newcomb said:

If I could live my life over, The only thing I would change is the part in my hair.

Ima Lidd

Receivers

By Van - K3CP

Part 4 of 5



The last time Ima Lidd and Elmer got together they discussed the first detector of a radio receiver. After thinking about all the things that Elmer had said, Ima wasn't sure what Elmer meant when he referred to ganged tuning.

"What did you mean when you said you could produce an intermediate frequency (I.F.) of 455 Khz.?" asked Ima. "What does ganging have to do with that?"

"Well," Elmer said, "we want the first detector to produce (at its output) a constant frequency of 455 Khz. You will remember we said that the local oscillator must be 455 Khz. from the incoming signal. Ganging means mechanically connecting the tuning capacitor shafts together so that they can be turned with one knob on the front panel. Then if we set the first detector input circuit to where we want it and then set the local oscillator 455 Khz from it, we will have our 455 Khz. difference. Now when we turn the knob, both capacitors will turn and the 455 Khz. difference will be maintained.

"Suppose we wish to tune to a signal that is 125 Khz. above WWV (10,125 Khz.) As we turn the knob, both capacitors turn the same amount with the input circuit tuned to 10,125 Khz. and the local oscillator tuned to 10,580 Khz. thereby maintaining the required 455 Khz. (difference) offset.

"The function of the first detector", continued Elmer, "is to convert the incoming signal down to the IF frequency and to do it with the least amount of noise being added to the signal and with the least amount of signal attenuation. Remember one thing, Ima, as we talk about receivers and that is that amplification or gain is easy to achieve. Getting a good signal to noise ratio is far more important. We could amplify the signal many times, but we would, in most cases, be amplifying the noise as well."

"Let me interrupt, please, Elmer," said Ima. "I've heard about signal to noise ratio and never knew what it meant. Could you explain it to me?"

"Yes, it's not very difficult," replied Elmer. "It is the ratio between the signal level and the noise level. For example - suppose the signal level was 50 microvolts and the noise was 10 microvolts, then the S/N ratio would be 5 to 1. Not an uncommon occurrence. When we say a station is in the noise level we mean that the signal and the noise are the same. That's why an S9 signal could be unreadable while an S2 or S3 could be Q5. So you see how important it is to have a good S/N ratio."

Elmer felt that Ima Lidd was following the signal as it passed from the antenna through to the output of the first detector.

"What happens to the signal after it has passed through the first detector?" asked Ima.

"It is fed into the intermediate amplifier (IF). This amplifier consists of 1, 2 or more stages and filters. It is the IFs that provide most of the gain and selectivity of a modern receiver. It is a fixed tuned amplifier - remember the frequency of the IF is always the same - 455 Khz. Therefore the design is much simpler than an RF amp. which must be tunable from 150 to 30.000 Khz. No band change switches are needed. The Q of the tuned circuits can be optimized and other advantages exist.

"Ima, do you remember what an image is? We talked about it in one of our earlier discussions."

"Yes, I do," responded Ima, "it's a signal that is twice the IF away from the desired signal. We have to get rid of it in the front end of the receiver."

"Very good, Ima, I am proud of you," said Elmer. "We can make that job much easier if we raise the IF to some higher frequency. If we make the IF around 8,000 Khz. that means that the image would be 16,000 Khz. away from the desired signal and much easier to reject in the front end of the receiver. "Filtering in the IF amp. is very effective if the lower 455 Khz. is used. So it's common practice in some modern receivers to use two IFs. The higher frequency provides image rejection and the lower frequency is better for effective filtering."

Elmer was satisfied that Ima was absorbing much of what they were discussing and he was prepared to continue in the next session. He felt that if Ima was not lost so far, he would not have any trouble going through the rest of the receiver circuitry which consists of the second detector, the beat frequency oscillator and the audio amplifier.

"This is a good place to break for this talk," said Elmer, we will take up where we left off in our next session. After we finish going through the workings of a superheterodyne receiver, we will have a session or so on trouble shooting and repair."

de Van, K3CP

WHEN YOU JOIN OR RENEW YOUR ARRL MEMBESHIP, CONTACT TREASURER DICK DECH, DLARC BENEFITS FROM THIS.

The best qualifications

The best qualification of a prophet is to have a good memory. *Marques de Halifax.*

If a thing is worth doing, it is worth doing badly. *O.K. Chesterton.*

- He is as good as his word...and his word is no good. *Seamus McManus.*

- Voters quickly forget what a man says. *Richard Nixon.*

- The fellow who never makes a mistake takes his orders from one who does. *Herbert V. Prochnow*

- I tremble for my country when I reflect that God is just. *Thomas Jefferson.*

- Radio-control...body perform work while brain detached. *Charlie Chan*

- It is not true that life is one damn thing after another...It is one damn thing over and over. *Edna St. Vincent*

- Is it progress if a cannibal uses a knife and fork? *Stanislaus Lec.*

- It is as absurd to say that a man can't love one woman all the time as it is to say a violinist needs several violins to play the same piece of music. *Honore de Balzac.*

- The best substitute for experience is being 16. *J.H. Tellechea*

- *From the Happy Club, 73 de Angel, KA4HTO*

Do you remember when.....

Cartoons were a GOOD Saturday morning ritual?

Being called a 'ham' started a fight?

Being a government worker was respected?

A cop could walk the street safely at night?

A good congressman, when bought, STAYED bought?

Just a waving hand in the distance of an electron-filled ocean called... -- radio --

73 - Live Long, and Prosper...Mike - N2NMS



W3OK CORRAL Receives Publication Award

Amateur Radio News Service has just conferred its Annual National Publications Award For the Advancement of Amateur Radio Journalism to the **W3OK CORRAL** edited by Clarence Snyder, W3PYF. The award categories for 1993 are as follows:

Superior	189-200
Excellent	159-188
Good	up to 158

The W3OK Corral received a **Superior Certification** with a point score of 199, and placed 3rd in the competition of over 100 publications. The top score was from the Atlanta Radio Club with a 200 score and the Readout, from the Stanislaus ARC in Modesto, CA. with a score of 199 1/2.

Judges Comments: *Outstanding! Newsletters such as this make the judges job very easy. My only question is where do you go from here--just keep trying new things, incorporate new columns, get more authors. This paper is a pleasure to read. Keep up the good work.*

Peter I, Peter Island operator pleads guilty to bank fraud.

Robert Wilber, N4GCK, one of the operators on last Februarys DXpedition to Peter I Island (3Y0PI), has pleaded guilty to bank fraud and mail theft, according to a report in the Ann Arbor News.

Under a plea agreement he will receive 24 to 37 months in federal prison and be subject to three to five years of federal supervision following his release.

The paper said Wilber took checks totaling some $113,000 from the mailbox of a University of Michigan professor and cashed them. He was photographed at an automatic teller machine and his photo appeared in the paper on December 20, 1993. At that time he knew he was caught, the News said.

Wilber, 35, of Ypsilanti, Michigan, avoided arrest long enough to join the expedition to Peter I. He surrendered upon his return, having spent all the stolen money, the News said.

Another participant in the expedition was astounded at the news. We had no idea, he said. But Bob was very quiet under close quarters and it was obvious to all of us that something was troubling him.

from the Westlink Report



Richard E. (Brownie) Brown

W3CJI

Brownie, well known in amateur circles and an active member of Delaware-Lehigh Amateur Radio Club until his illness, died on June 29 at the age of 79..

He was known internationally for his printing of QSL cards for many of the amateurs in the world. He was the prime mover in the organization of the Chapter Seventeen of the Quarter Century Wireless Association of Allentown, Bethlehem, Easton.. He served as its first president. In addition he was formerly a member of the Civil Air Patrol.

He founded Rebco Printing Company in Allentown in the 1940's and owned it until he retired in the 1970's. Before that he was a commercial pilot for Panagra Airlines, South America, for many years.

He was the first governor of the Allentown Quiet Birdman Hangar and received his Amateur Radio license in 1932. A 32nd degree Mason, he was an Eagle Scout in an Allentown Troop in his youth.

Our sympathies to his wife Madeleine, sons Richard and Robert A. of Bath, stepdaughters, . Karen Peischl of Allentown and Diane W. wife of Edward R. Hawrylo of Catasauqua and nine grandchildren.

RIP Brownie from DLARC

Rivo M. Bartolaccci

W2SPK

Bart, died on July 2 after a long stay in the Leader Nursing Home in Bethlehem.

A retired radio technician, he worked at Bethlehem Steel Plant Patrol for 37 years before retiring in 1985. He also operated Hudson Radio and Electric Co. in Phillipsburg for many years.

Bart, alway will be remembered as the one who when hearing someone on the air say I need, this or that, would be sure to respond, *"don't buy it I have one for you".*

He was an army veteran of World War II serving in the Signal Corps.

Getting his Amateur Radio license in 1939 he helped many of us get going in our hobby, including your editor W3PYF.. He was always active in Delaware-Lehigh Amateur Club activities and was a member of the Chapter 17 of the Quarter Century Wireless Association.

Active in many of the church activities of St.Phillips and St James, he was a graduate of St. Phillips and St James High School and a member of the Knights of Columbus.

He and his wife, Mary would have celebrated their 46th wedding anniversay in August.

Surviving in addition to his wife are two sons, Michael and Robert and a daughter Rita Kaminski. He leave four brothers, Raymond, Guido, Anthony, and A. Ralph. Two sisters, Augusta Piazza and Philomena Azzalina and one granddaughter.

RIP Bart, from DLARC

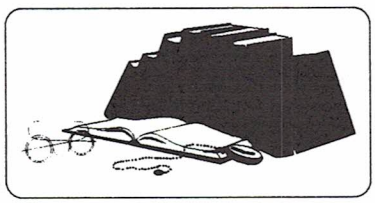
Ken Moseley

G3HJN

Kenneth Moseley, G3HJN, the father of Robin, WA3T died of a sudden heart attack June 20th, 1994, one week after his 89th birthday. Ken enjoyed life tot he full. An active pharmacist until a few months ago, he retained his full mental capacity, drove his own car and maintained his own household until the very end. He leaves three children, eleven grandchildren, and four great-grandchildren. ***73 Ken OM de WA3T***

Just the minutes

by Bob, N3OLH, Secretary



The July meeting of the Delaware-Lehigh Amateur Radio Club was called to order at 7:35 P.M. in Kiva Hall of Northampton County Community College on July 7, 1994. Approximately 73 members and guests were present.

As the first order of business our President, Bob Green, KE3AW, asked those in attendance to observe a moment of silence for two of our members who recently became "Silent Keys", Brownie, W3CJI, and Bart, W2SPK, and for Ken Moseley (Robin's father) G3HJN.

Amy, KD3TI, made a motion to approve the minutes of the June meeting as they were printed in the July Issue of the W3OK Corral. The motion was seconded by Chris, NU3L, and was approved by the membership.

The Treasurer's Report was presented by Dick, KA3MOU, which showed a cash balance of $2,393.72. J. P., N3GWR, made a motion to accept the Report and the second was made by Clarence, W3PYF. The report was accepted.

Membership applications were received from

Lee Clauser, N3PBM
Sharon Reamer, N3RZQ
Richard Prentis, N3RZE
Donald Litzenberger, Associate Member
Bob Unger, WB3DTG
Ned Borger, Call Pending
Allison Flyte, Call Pending
George Wieland, III, No Call

A motion was made to accept these applicants into membership was made by Van, K3CP and was seconded by Ray, N3RBK. The membership voted to accept these members, however, one negative vote was cast because all of the applicants were not present. The club welcomed the new members into the club. In addition, the President recognized 7 guests who were in attendance.

Barry, KU3X, presented Joe, N3MKZ, with ARRL DX100 awards with endorsements for 60 countries for 15M and 20M SSB contacts.

Ray, W3TDF, presented plaques to the following members who scored more than 100,000 points in the 1993 P.A. QSO Party: Bill, K3ANS; Don, W3LR; Van, K3CP; Ray, W3TDF; and Norm, K3NZ. He also presented plaques to these members who produced scores in excess of 50,000 points: Bob, KU3K; Laing, KB3TS; Joe, N3MKZ; John, N3IGA; George, N3OWG; Ike, N3IK and Bob WA3BRW. Certificates were awarded to all members who participated in the event.

Bob, KE3AW, mentioned that the Club News letter, the W3OK CORRAL, was awarded third place in a national contest among club publications and congratulated its editor, Clarence, W3PYF.

Bob, KU3K, thanked all of those who made the 1994 Field Day a tremendous success. He especially gave thanks to Barry, KU3X, who along with his wife Judy were in charge of feeding the group.

Volunteers are still needed for the Easton Hospital run to be held on August 7. If you can help, please contact John, N3IGA.

Chris, NU3L, announced that a new session of Novice/Tech classes will begin at Gracedale on September 12. Please pass the word to anyone you know that might want to attend.

Bill, K3ANS, said that we still need a cleanup chairman for the Hamfest which is to be held on August 14, at C.I.T. Jim, , N3QZS, told the group about the work that he has been doing in compiling a computerized Hamfest mailing list. The Club expressed its thanks to Jim for this huge task. Ken, N3IYX, is also looking for volunteers for his parking committee.

The Club picnic will be held on August 24 and we are still looking for assistance with this event.

The president read thank you letters from Allentown Central Catholic High School and Hellertown Libraries for our donation of ARRL Operating Manuals. He also read a letter from the Agora Packet Association thanking us for our donation of $100.

Chris, N3RPV, showed the group an inexpensive 2 M antenna that he had made.

The President introduced Joel, K9TBD, the evening speaker who told the group about Internet.

The business meeting was adjourned at 8:35 P.M. ***de N3OLH, Secretary***



Video's a winner

via ARRL Bulletin ARLX019

"Ham Radio Horizons," a video introduction to amateur radio produced by CQ Communications, has won a bronze medal in the Association for Visual Communicators' 1994 Cindy awards competition.

The video won in the "public service and information" category. The Cindy awards honor outstanding productions in all fields of non theatrical video programming, including radio, television, cable, and non broadcast categories, according to a press release from CQ.

"Ham Radio Horizons" was written, produced, and directed by Rich Moseson, NW2L, who is ARRL Northern New Jersey section manager as well as a member of the ARRL'S volunteer public relations committee. The awards were presented in June at the Infocomm trade show in Los Angeles.

via KD3OA, EPA ARRL Bulletin Manager

Woman shaking hands with the preacher after the service:
"Wonderful sermon! Everything you said applies to somebody or other I know.

Look at that license

Although our club database will give either Dick, KA3MOU or me, W3PYF a lead time, I have enclosed the following from ARRL Bulletin 56

Amateurs receiving new or modified fcc licenses after June 8, 1994, should carefully note their expiration date. Only new, first licenses or specific renewals have a full 10-year term.

Amateur license upgrades, changes of address, call sign, or name, are processed with the original expiration date intact. That is, they are not automatically extended for 10 years.

The FCC, using new computer software recently installed, is processing amateur licenses in this manner to conform with to the way in which it processes all other private radio service licenses.

The FCC currently recommends that amateurs submit license renewal applications 60 to 90 days before their expiration date. The commission said it intends eventually to mail license expiration notices to amateurs, in the meantime, the ARRL is sending license expiration notices to ARRL members, along with an FCC form 610 and a return envelope to the FCC's licensing division in Gettysburg, Pennsylvania.



EASTON, PA AUGUST 14, 1994

CARREER INSTITUTE OF TECHNOLOGY

Complete directions in Hamfest Flyer in with this newsletter.

C U There....

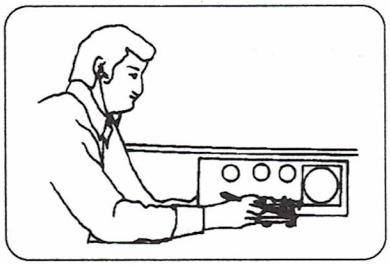
de Bill, K3ANS, chairman

The care and feeding of a Ham Radio Operator

(Or why I'm not dead yet!)

by George, N3OWG

I sat down in the command chair tonight rig and computer all aglow in the pale darkness of the late night. Listening to the chatter of a hundred stations calling out to some obscure speck in the sea, determined to write a new, witty article for the W3OK Corral.



As I rolled back in the chair I ran over a Coke can and stopped for a moment. I surveyed the shack and found the following: Five empty 44oz soda cups from WAWA, several deflated bags of Cheetohs, a stack of ransacked cookie packages, many flattened donut boxes in the recycling bin, some miscellaneous candy bar wrappers and a leaning tower of Coke cans in the corner.

I took a mighty hit off of my Yoo-Hoo and thought about my dietary habits and what sort of thought process (or lack thereof) leads me to eat everything my mother told me was bad for me while parked in front of my shrine to the Holy Electron. Grasping firmly a Twinkie in one hand and a Suzee Q in the other I sat down to the grim task.

OK for starters each of the basic foods that I consume have a direct if somewhat obscure correlation to Ham Radio. Hence I will try to describe the various assets of the various morsels of death that I consume. Firstly I know that most of you reading this would love to one day be in the Old 20 WPM

Morse code club. You know get your EXTRA! Well if you really wanna send code at 20 heck 50 wpm right now tonight eat a half dozen or so Old Dutch Mill sugar glazed donuts and wash it down with 2 or 3 cans of Coke. (original recipe only) Now hit that key! See how fast you send? And it is perfectly legal, or at least I see nothing mentioned forbidding this in part 97.

Lets move on to the Big Gun stuff. Ever wonder how you will ever copy anything through the QRM on 80 and 160. Wow those static crashes will drive you crazy. Well here is a N3OWG training tip.

While ragchewwing on the OK repeater munch on some Extra Crunchy Fried Cheetohs. That grinding and popping while listening to fairly clear channel communications is just the thing to train your "brain filter" to ignore the background noise and hear what is being transmitted. And here you thought you'd have to buy a $350 DSP filter. Also I have found that the fine orange patina that forms on your fingers can be a life saver.

Yup it has amazing insulating properties. I found this out one night while working on my old Drake. I pulled of the plate cap of the finals without ever shutting off the B+. My only sensation was a mild tingle, I am sure had I not been practicing my QRM technique heavily that night I would have been killed or seriously injured.

Now about all those chocolate bars. See we all know that chocolate is an instant energy food. And you need that while trying to bust through the pile ups while working DX. I mean once the big guns have gotten the DX you need that extra edge in with the rest of the 100 watt crowd. And my friend Clark Bars is that edge! Just a note on Eskimo Pies this is not (contrary to popular belief) a desert. In fact it fits all the criteria for a main course since the main ingredient, Ice Cream, is made from milk. And since milk is nature "perfect" food, Eskimo Pies are the Ham operators perfect dinner.

We mentioned dinner but there is a certain rule of breakfasts that I follow. This generally is a meal only eaten before a Hamfest. Now if I am the back-seat passenger and have to buy for you the driver I always make sure to have plenty of Hostess Powdered donuts on hand. If however I am the driver and you feel compelled to buy me breakfast I know of nothing better to start the day than 3 eggs, 2 sausage, 4 strips of bacon, scrapple, home fries, a short stack and toast. All washed down by an Extra large Pepsi. Unless of course you are over 70 have a really good rig and a heart condition. Then I will be happy to buy you a Bacon, Egg and Cheese sandwich on a buttered roll regardless of who drove.

Now you might be thinking "Hey George has Flipped his wig." But really I see more skinny Hams with a faint coating of powdered sugar on there lips living on into there 100s than any Doctor or Nutritionists. Lets face it do you know ANYONE older than the editor of the OK Corral? And what do you suppose he eats? Ho Hos and Malomars I would bet if the truth be told.

So there you have it. If you wanna live to be really old and reasonably happy, forget all that bunk you here from your Mom or your Cardiologist. Listen to me and hit the snack isle at the 7-11 and buy a Cherry Slurpee to go with. Tell the clerk I'll be in later. Go home and Ham it Up! You'll surely live almost forever and love every minute of it.

de George N3OWG

editors note:

This represents the opinions of George Cook and if my Cardiologist ever sees this, I am in big bad trouble..

For those born before before 1945

We are all survivors!!!

Consider The Changes We Have Witnessed:

We were born before television, before penicillin, before polio shots, frozen foods, Xerox, plastic, contact lenses, frisbees and the PILL.



We were before radar, credit cards, split atoms, laser beams and ball- point pens, before pantyhose, dishwashers, clothes dryers, electric blankets, air conditioners, drip dry clothes, and before men walking on the moon.

In our time, closets were for clothes, not for "coming out of.

"Bunnies were small rabbits and rabbits were not Volkswagens. designer

Jeans were scheming girls named Jean or Jeanne, and having a meaningful relationship meant getting along well with our cousins.

We thought fast food was what you ate during Lent, and Outer Space was the back of the Riviera theater.

We were before house-husbands, gay rights, computer dating, dual careers and commuter marriages. We were before day-care centers, group therapy and nursing homes. We never heard of FM radios, tape decks, electric typewriters, artificial hearts, word processors, yogurt, and guys wearing earrings. For us, time-sharing meant togetherness... not computers or condominiums; a 'chip', meant a piece of wood; hardware meant hardware, and software wasn't even a word!

In 1940, "made in Japan" meant JUNK and the term "making out" referred to how you did on your exam. Pizzas, McDonald's and instant coffee were unheard of.

We hit the scene when there were 5 and 10 cent stores, were you bought things for five and ten cents. Sanders or Wilsons sold ice cream cones for a nickel or a dime. For one nickel you could ride a street car, make a phone call, buy a Pepsi or enough stamps to mail one letter and two postcards. You could buy a new Chevy Coupe for $600.00 but who could afford one; a pity too, because gas was 11 cents a gallon.

In our day, cigarette smoking was fashionable, GRASS was mowed. COKE was a cold drink and POT was something you cooked in. ROCK MUSIC was a Grandma's lullaby and AIDS were helpers in the Principal's office.

We were certainly not before the difference between the sexes was discovered but we were surely before sex change; we made do with what we had. And we were the last generation that was so dumb as to think you needed a husband to have a baby!

No wonder we are so confused and there is such a generation gap today!

But We Survived!!!

author unknown, supplied by KA3ONZ

ARRL Briefs

* Westlink Report has named 15-year-old Allison D. Zettwock, KD4CKP, its 1994 Young Ham of the Year. Allison lives in Louisville and is the daughter of Larry Zettwock, KR4IF. She is active in the Amateur Radio Transmitting Society of Louisville. She received her award June 4 at the Sea-Pac Convention in Seaside, Oregon.

* More than 100 clubs entered the 1993 annual newsletter competition of the Amateur Radio News Service (ARNS). 27 were rated "superior," with the top three "The Atlanta Ham," edited by James Massara, N2EST for the Atlanta Radio Club; "The Readout," by Bob Pinheiro, WA6ZLO for the Stanislaus (CA) ARA; and (once again) **"The W3OK Corral," by Clarence Snyder, W3PYF for the Delaware-Lehigh ARC**

The ARNS is an organization of Amateur Radio newsletter editors and publicists. For more information contact ARNS Secretary Pam Myers, N8IAK, 510 West Harrison, Alliance, OH 44601.

* Nets have until September 6, 1994, to register in the 1995-96 ARRL Net Directory. This new edition will not carry over information from previous directories, so you must send a registration card (Form FSD-85, available from HQ) to Headquarters.

* A case involving a California amateur has led some to ask "Is it legel to own equipment capable of out-of-amateur-band operation?" The answer is yes, but it is not legal to transmit out of band, unless the communication is made in connection with the immediate safety of human life or the immediate protection of property, when no other means of communication is available (Section 97.403, FCC Rules).

* Attention 75-meter DXers: as of May 20, 1994, Japan has a new subband, from 3747 to 3754 kHz. in addition to the two existing bands at 3500 to 3575 kHz and 3791 to 3805 kHz.

The preceding from The ARRL Letter.

73 Chris KD3OA

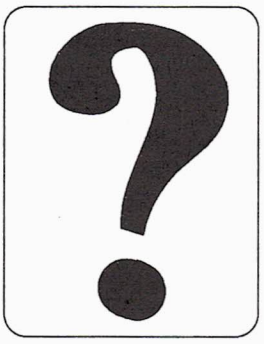
ARRL EPA Bulletin Manager

RFI Tips

ARRL EMI/RFI Package - "RFI Tips"

Part 2 of 3

Q: My new neighbor, Sam, just knocked on my door said that my signals are tearing up his TV and telephones. He threatened to call the FCC if I didn't stop transmitting. Am I in serious trouble? What should I do?



A: Why don't we indulge in a bit of psychology first? Hams are great communicators over the airwaves, but some of us need practice when it comes to communicating face-to-face.

You can't overestimate the importance of personal diplomacy when you're confronted with an EMI problem. The way you behave when your neighbor comes knocking sets the tone for everything that follows. No matter what you think of your neighbor, you have to remember that the best solutions are built on cooperation and trust. Knowing all the technical tricks in the book won't do you a bit of good if your neighbor won't let you through the door!

Q: I don't know . . . he seems pretty angry. What can I tell him?

A: It sounds like your neighbor has already branded you as the villain. He's angry and fully expects you to respond with denials and evasions. Don't do it!

Begin by accepting the fact that he doesn't enjoy having his lifestyle hampered by EMI. Put yourself in his shoes. Admit that EMI is highly annoying. (Both of you can quickly agree on that point!) Calmly explain that you are responsible--by law--for the proper operation of your station. Assure him that you'll check your equipment right away and make any necessary corrections.

With any luck, the situation will begin to calm down. Now is the time to explain to your neighbor that the root cause of his problem could also be from a source other than your station. Perhaps his own equipment is to blame. Before he has a chance to misunderstand the last point, tell him that you're willing to help him solve the problem--even if it's not your fault.

Until the problem is resolved, try making some goodwill gestures. As a temporary measure, reduce your output power. (You may discover that you didn't need all those watts, anyway!) If you have a beam antenna, don't point it at your neighbor's house. Above all, try to gain some prospective on the situation. Amateur Radio may be your passion, but it doesn't mean a thing to your neighbor. Attempting to justify EMI by saying "There was a rare DX station on 10 meters and I just had to work him" may just sound like ham "lingo" to him and probably won't get you very far.

de Dennis, WB2LGJ TC/EPA

Learning English the hard way

An African chieftain flew to the United States to visit the president. When he arrived at the airport, a host of newsmen and television cameramen met him. One of the reporters asked the chief if he had a comfortable flight.

The chief made a series of weird noises...*"screech,. scratch honk, buzz, whistle, z-z-z-z-"*...and then added in perfect English,

"Yes, I had a very nice flight."

Another reporter asked, "Chief, do you plan to visit the Washington Monument while you're in the area?"

The chief made the same noises..."*screech, scratch, honk, buzz, whistle, z-z-z-z"*...and then said

, "Yes, and I also plan to visit the White House and the Capitol Building."

"Where did you learn to speak such flawless English?" asked the next reporter.

The chief replied, *"Screech, scratch, honk, buzz, whistle, z-z-z-z*...**from the shortwave radio.**"

author unknown

Things to think about!

You can't keep trouble from coming, but you need not give it a chair to sit on.

A bachelor is a rolling stone that has gathered no boss.

Mad Scientist qualifying exam

by Rich N3NXF

Some years ago a group of science teachers at my school got together and made an emergency lesson plan test that they called the Mad Scientist Qualifying Exam. It covered all areas of science, and was a test of the students basic science aptitude. Everyone would have thirty copies at the ready in case they couldn't make it into school due to illness (or whatever). Over the years teachers retired, times changed, and the exams found their way to the back of the filing cabinet drawer (you know under the crushed work sheets, half a peanut butter and jelly sandwich in a plastic bag that looks like a biology experiment, and several mummified orange peels). Bob Bajor N3PON and I found several copies of the test this year, and while some of the questions need to be updated, it remains an interesting brain teaser.

Hams are traditionally (and by necessity) scientific types, so I thought you might get a kick out of testing your science aptitude. I will run the test in 10 question installments in the W3OK Corral. Next issue, I will give the answers to this months installment, and give you 10 more questions. This month,, the topic will be measurement. Enjoy...

1. Which is the longest ?

a. a meter

b. a yard

c. 3 feet

d. a decimeter

2. Approximately how long does it take light to travel from our closest star, to earth ?

a. 4.2 light years

b. 4.7 light years

c. 8.5 light minutes

d. 11 light minutes

3. The only temperature that does not require you to include the units Fahrenheit or Celsius is:

a. 273 degrees

b. 212 degrees

c. 37 degrees

d. - 40 degrees

4. Jupiter's volume is so large, a box that size could hold approximately _____ earth's

a. 3

b. 11

c. 1500

d. 13

5. Where would you weigh about 1/6 of what you weigh right now ?

a. in an upward moving elevator

b. on the moon

c. in deep space

d. on the top of Mt. Everest

6. The diameter of a human hair is about:

a. 1 Angstrom

b. 100 micrometers

c. 100 nanometers

d. 100 millimeters

7. According to the Geologic Time Scale, those movies about cavemen living among the dinosaurs are:

a. pure bologna; cavemen and dinosaurs didn't live at the same time

b. absolutely correct; dinosaur skeletons have been found with spear points in them

c. while not proven, it is probably correct to depict this type of relationship

d. dinosaurs and cavemen probably had a symbiotic relationship, and lived in harmony

8. Which is the smallest ?

a. 1500 ml

b. 1 gallon

c. 1300 cc

d. 1 liter

9. Which have the shortest wavelength ?

a. microwaves

b. infrared waves

c. X - rays

d. cosmic rays

10. Giga means:

a. million

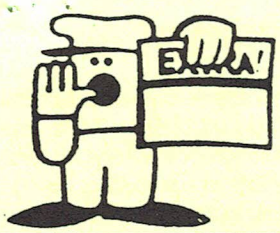
b. trillion

c. billion

d. thousand

Answers will appear in the September Issue of the ***W3OK Corral.*** *Be ready to check them.*

de Rich, N3NXF



The Delaware-Lehigh Amateur Radio Club, Inc.

DELAWARE-LEHIGH AMATEUR RADIO CLUB, INC. W3OK

HAMFEST & COMPUTERS

Sunday, August 14, 1994

SPECIAL SERVICE CLUB ARRL

Career Institute of Technology, Easton, Pa.

Vendor Set-up at 6 a.m. Open to Public at 8 a.m.

ADMISSION: $4.00

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Tailgater: $7.00 Inside Vendor (includes table & some electric): $25.00

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For more information please call Bill Goodman, K3ANS - Hamfest Chairman
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Also call DLARC Answering Service at (610) 820-9110

TALK-IN 146.70 W3OK Repeater

(over)

(over)

Name_____ Call_____ Date_____

Address_____ Number of admission tickets @ $4.00_____

City_____ State_____ Zip_____ Number of tailgate tickets @ $7.00 _____

Telephone ( ) _____ - _____ Number of Inside vendor tickets @ $25.00_____

Make checks payable to Delaware-Lehigh ARC, Inc.

TOTAL AMOUNT ENCLOSED $_____

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Formerly The Vocational-Technical School
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DACUM: Job Task Analysis
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DIRECTIONS TO CAREER INSTITUTE OF TECHNOLOGY

FROM HARRISBURG AND WEST:

Take I-78 East & US 22. Where I-78 and US 22 split, bear right after the Fogelsville Exit onto US 22 East towards Whitehall, the ABE Airport, and Easton. Follow US 22 East to PA 33. Take PA 33 north to Stockertown Exit (Route 191). At end of exit ramp turn right. Follow Route 191 North for 150 yards to traffic light. Turn right onto Sullivan Trail. Follow Sullivan Trail south for 1.5 miles to traffic light (First Fidelity Bank is on right corner). Turn left at traffic light onto Uhler Road. Follow Uhler Road for 1 mile to traffic light. Turn left at light onto Kesslersville Road. School is located 1 mile north on Kesslersville Road on the right side.

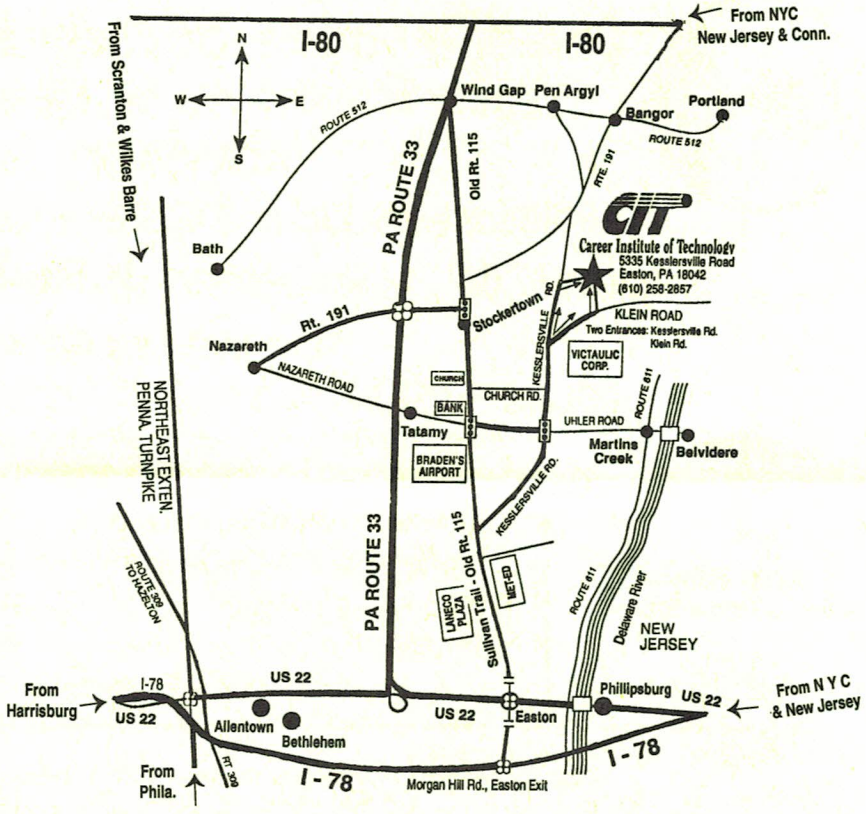
FROM NORTHEAST EXTENSION OF PA TURNPIKE:

North from Philadelphia or South from Wilkes Barre-Scranton.
Exit Northeast Extension of PA Turnpike at Lehigh Valley exit onto US Route 22 East. Follow directions above from US 22 East..

FROM NEW JERSEY, NEW YORK, AND EAST:

Take Interstate 78 West.. Exit onto US 22 West at Phillipsburg, NJ. Follow US 22 West through Phillipsburg, NJ, cross over Delaware River Toll Bridge, continue on US 22 West (past Easton, PA 25th. St. exit) and continue to PA Route 33. Take PA Route 33 North and follow directions above.

MAP IS NOT TO SCALE



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1994 HAMFEST ANNOUNCEMENT

Contest Calendar

by Barry, KU3X, Contest Editor

Aug 3	West Coast Qualifying Run, 10-40 WPM
Aug 6-7	YO DX Contest ARRL UHF Contest North American QSO Party, CW QRP ARCI Summer Daze SSB Sprint
Aug 12-14	W1AW Qualifying Run, 10-40 WPM ATV Quest Contest European DX Contest, CW
Aug 20-21	SEANET SSB Contest New Jersey QSO Party ARRL 10-GHz Cumulative Contest KCJ Contest North American QSO Party, SSB

For the last two years and two months I have given you various tips for contesting and DXing. I hope that you found them useful.

Next, in this spot, you will see the exchanges that are used in various contests.

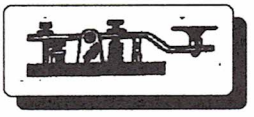
If you have any other suggestions as to what you would like to see in this spot, please let me know.

If you would like a copy of the twenty six contest tips that were printed, let me know and I will make sure that you get a copy of them.

Good luck and happy contesting!

de Barry, KU3X

CW Forever



by Jim, WA1TBY

You must have, at times, thought into the past
Where some things go out, while others last.
What comes to my mind is the Old Morse Code
That has weathered the storms from any abode.

To talk with one's finger is surely an art.
Of any info you care to impart.
In most conditions the signals get through.
While the same about phone is simply not true.

Those dits and dahs cut through the trash
Of nearby noise or lightning's crash.
To the sensitive ears of the ham receiver
That records this data with ardent fever.

He knows he's doing something unique.
In such poor conditions, that's quite a feat!
To roger the message that came off the air,
These brass pounders sure do have that flair.

They say Morse ops are a dying breed,
But don't despair, There's always the need.
When conditions get rough for the new automation,
Rest assured there is a need for your station.

CW is dying? Believe it never.
This mode will be 'round forever and ever.
But one thing is sure. What we really need
Is to relay our knowledge to the younger breed.

To carry the torch long after we're gone,
To send Morse Code through the air like a song.
When at last, silent keys pull that final lever,
We can rest in peace. It's CW forever.

-Jim Hatherley, WA1TBY.

Robert Ripley

BELIEVE IT OR NOT

Ripley received more mail than anyone in history. One contest alone...a mere 14 days peiod netted him over 2,000,000 letters! (The Post Office and the mailman, loved him)---

A sculpture of Ripley was done in 1937 by Mark Shoesmith who was totally blind.---

Ripley was the first person ever to broadcast via radio, to every nation in the world simultaneously...He used a corps of translators to accomplish this remarkable feat.---

Ripley considered to be among his greatest finds the Japanese Artist Hamanuma Masakitchi. He created an amazing self portrait. The sculpture was anatomically correct, down to the tiniest details, and included the Artist's own hair and fingernails.---

As Marco Polo, Ripley in one of his many expeditions traveled 24,000 miles. 15,000 by air, 8,000 by ship and 1,000 by camel, donkey and horse.--

Charles Shultz, the creator of the Peanuts comic strip, published his first drawing in a Ripley cartoon, when he was only 12 years old.--

From the Happy Club, 73 de Pedro, KC4RLC

All Amateur Radio Operators are invited to
Participate to the DLARC, RACES & ARES nets
on 146.70 W3OK/RPT with an alternate of W3PYF/RPT 145.11
W3OK trustee Rick Saeger, K3OO
The Nets are held on Sundays at 9:30 AM and Wednesdays at 7:00PM

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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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==1993-1994==

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--CLUB MEETINGS

All regular meetings of the D.L.A.R.C. are held on the first Thursday of each month at 7:30 PM at Northampton County Community College
TALK IN ON 146.70
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