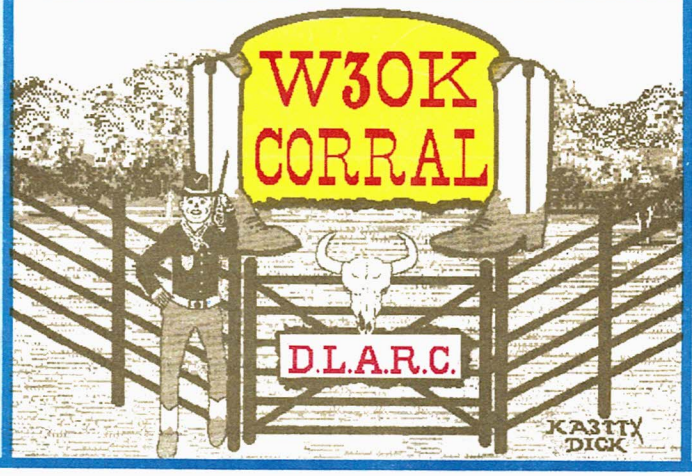
DELAWARE-LEHIGH AMATEUR RADIO CLUB, INC. W3OK

April 1995



SPECIAL SERVICE CLUB
ARRL

ARRL Affiliated Club

Baluns and ununs

Jerry Sevick, W2FMI to speak

by Bob, KE3AW

The Delaware-Lehigh Amateur Radio Club is very pleased to announce Jerry Sevick, W2FMI, as speaker at the regular monthly meeting on April 6.

Jerry will speak to us on **BALUNS AND UNUNS.** As you may be aware, Jerry is one of the country's foremost experts -- if not THE -- foremost expert on baluns and ununs. Jerry is a Technical Advisor for ARRL, and has written books and articles for ARRL publications, including QST. Often his articles are featured in CQ magazine, as well.

He taught physics and later worked at Bell Labs until his retirement. Some of his work involved high frequency and integrated circuit development. Also of interest is his development of a short ground mounted vertical antenna, for which plans were published in QST in the 70s. It was a 40 meter vertical only 6 feet high!

Jerry is known for his interesting presentations. He will offer us a multi-media presentation at DLARC, with many example items and overhead and slide projections along with his talk.

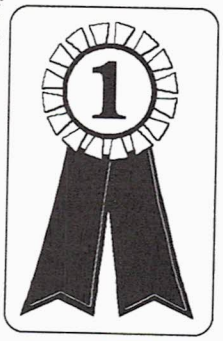
His latest book is entitled "Building and Using Baluns and Ununs: Practical Designs for the Experimenter." Jerry has agreed to bring with him a limited quantity of these books. He will make them available for sale, if members and guests want them. He is willing to autograph your personal copy, if you wish.

This meeting is scheduled for the KIVA HALL at Northampton Community College, Thursday, April 6. Our meetings begin at 7:30 pm. First to arrive will have the best seats!

1994 PA QSO Party Highlights

by Ray, W3TDF , DLARC PAQSO pty chair

We, the DLARC, that's you and I, we won the state trophy again. There were at least 70 of us in there, doing our part. Only 59 scores got posted in the summary though. I wonder what happened to the scores of KC3QO, N3GRE, N3MFT,N3RPV, WF3H, WU3M, and 5 others for a total of at least 85K that are not listed? It's very discouraging, what with all the work I did with 30-some logs, to find that 11 others didn't make it!



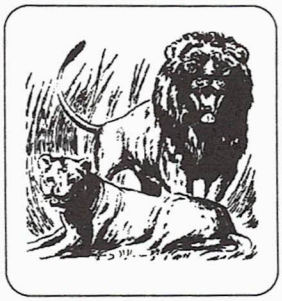
On the brighter side, please note that K3CP amassed over 158K, which is 20% higher than his previous high, and, (AND), beat W3TDF for the second year in a row! Congrats Van. Take note that K3ANS with 243K placed 2nd in the High Power category, nosed out by AA3B from Penn Wireless with 258K. But, they all got beat by QRPer NW3C in Washington Co. with 276K. That X2 mult for QRP sure helps, just ask N3IGA who has had a couple good scores with it. Note also, KU3K with 149K, which is 20% higher than his previous record in 1992. It's tough increasing by 20% when you're above the 100K mark. Also, lets not slight N3NXF, who increased his score by 2000%, from 600 pts to 13K. There are a lot of others in between, too numerous to mention here. Note that WA3MQY who never contested before, took first in TECH-NOVICE division. Due to a mix-up N3NVA was not given that status, in which case he would have been 1st and Ken, Second.

Continued on page 3

PA QSO Party..
Additional Comments

by Van, K3CP

The fine report of the results of the 1994 PA QSO Party by the Nittany Amateur Radio Club stated that the Delaware-Lehigh Amateur Radio club had won the club competition for the state. It also referred to the DLARC as the "Saint Bernard" club.



As you know the Saint Bernard is a large and friendly dog and the DLARC is also large and friendly. We had 59 entries versus 25 entries from the "Chihuahua" club, DDXA. I wondered how the DLARC would have done with only 25 members participating. So....I did some arithmetic. The 25 top hams in the DLARC had a total of approximately 1,690,000 points as compared to DDXA's 1,523,251. I would like to congratulate the DDXA (Dauberville DX Association) on their consistently fine efforts and results year after year.

The DLARC is a general service club. It is not a contest nor a DX club, but it provides its members with many facets of Amateur Radio. I take pride in the fact that we attract so many members and that they are interested in a large variety of Amateur activities.

Congratulations to all the members who participated and to all other members who in many other ways make the DLARC the fine club that it is.

de Van, K3CP.

Special for April 1st...
4 square J-Pole array for 160 meters.

by George, AA3JU

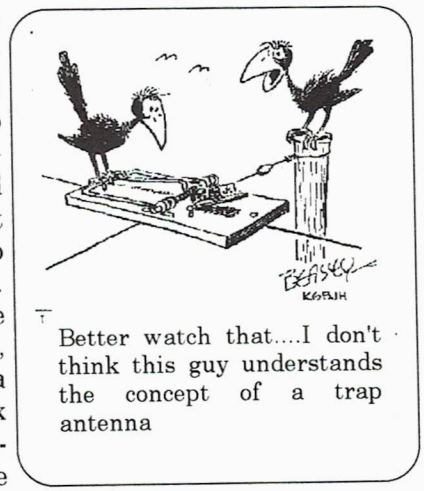
I didn't want folks to think that I just wrote humor so I wanted to do a short technical article for the newsletter this month. With all the hubbub about this new miracle antenna the J-Pole I wanted to do a bit of experimentation with it on other bands and here are my results on 160 meters.

One problem you encounter on any band is getting gain and directivity for your signal. Well I used two well known principals and came up with the 4 square J-Pole array. The first being the phenomena of directivity exhibited by feeding vertical antennas out of phase and the other the legendary gain of the J-Pole. The fact that the J-Pole was so easy to construct and transport made it even better!

First to construct the project you will need four equal lengths of TV twin lead cut to your desired frequency on 160 meters. Use the formula (705.6/Fr MHz) * 12 to give you the length in inches. Then on one side nip a small V 1/4 wave length up (234 / Fr MHz) * 12 for measurement in inches. Your feed point is about 1/10 wave from the bottom. With the center conductor going to the long side. You may wish to use alligator clips to do the initial tests to find the best matching feed point. Solder the ends together at the bottom.

Now comes the easy part everyone knows the best part about a J-Pole is how easy it is to set up and use. Just hang it from a tree or building or heck even put it inside a PVC tube for a really pro look! Now put each of your 160 meter J-Poles up in 4 convenient trees or other support. They need to be about 1/2 wavelength apart on a square sort of arrangement. Should be no troubles for anyone but the smallest lot owners.

Now measure out 5, 1/4 wavelength pieces of coax. Attach 4 or them to your J-Poles. You will also need a T connector and a barrel connector for PL 259s. Now which way do you want your signal to go? If north for instance take the feed from your north most antenna plug it into your T connector. Then select the one most south from it, connect it to the extra piece of 1/4 wave coax via the barrel connector and then into the other side of the T. Viola! You are beaming north with the kind of gain only a J-Pole can give. And because it is only made of T. V. twinlead you can roll it up and put it in your pocket for a little DXpedition or field day! Just a word of warning do not under any circumstances wear your J-Pole under your clothing as a "stealth" antenna. You might get a rf burn that would be very painful.



Better watch that....I don't think this guy understands the concept of a trap antenna

de George, AA3JU.

Why not make it a habit to call in to the DLARC, RACES, ARES nets on Sunday mornings at 9:30 local time and on Wednesday nights at 7:30

Continued from page 1

PA QSO party results.

by Ray, W3TDF

Now for to my delemma. What to do about awards for the participants. Everone should get something, such as a certificate.. How many are really going to be displayed?



Plaques for the top 10, or 15 scorers? The same people, just about, get them each year. What incentive is there for the little guys? Can they break into that over 100K' group. I wonder what Dauberville, and Murgas, and Erie, and Penn Wireless has for an incentive. Maybe nothing, and that's why we are winning. What are your thoughts on this issue? No matter what we do, someone will feel left out. How about a 'significant increase' in score?

Take N3NNI, for instance with an increase of 6K. Doesn't seem like much but it is actually a 500% increase. No one deserves an award more than him and KA3TEQ (55%) when you consider the circumstances. Let me know your thoughts.
H E L P

de Ray,W3TDF

DLARC members on packet may want to try Mike, AA0AO's gateway system, follows a how to do it on 144.99.

Gateway Operation

The KAM, as a GATEWAY, can serve as a crossport digipeater. This allows the user to digipeat through the KAM from HF to VHF or from VHF to HF.

If you have connected with AA0AO-7 and done a "j" listing of stations heard and see:
"/V" the station was heard on VHF port.
"/H" the station was heard on HF port.

You have 2 ways to digi through the Gateway:
1.) Connect with AA0AO-7
At the menu, (IF the "X" command is present), type "X " to connect with station that was heard on opposite port.
(ie.) You connected to AA0AO-7 on 2 mtrs;
You did a list of stations heard and see a station's call with "/H" at the end of callsign. Type "X " to connect on HF port.
If you desire a station with "/V" after callsign, just type "C " as you would normally.
The ONLY time you use the "X" command is to connect a station that is on OPPOSITE port from YOUR link. The "X" takes the place of the "C" command in that case.

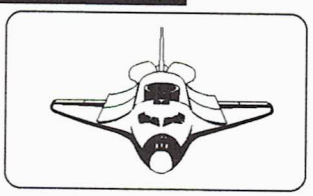
2.) Use AA0AO-2 as a digipeater to a station on the port opposite from the one you are using.

(ie.) You are using your 2 meter radio and want to connect with an HF station using my HF rig.
For example: you desire to connect WA7ZOO in Montana.
You would type: "C WA7ZOO V AA0AO-2"

Note: It is more effective to connect NODE AA0AO-7 and use the "X" command than to use the AA0AO-2 method. All acknowledgements are handled by the NODE rather than from end to end through "AO-2."

When I am away from the shack, you will NOT see the "X" option on the menu when connecting to AA0AO-7. That indicates my HF radio is OFF. However, when I am present and have the HF rig ON, the "X" option is on the menu and you can attempt a "Cross-Connect."
de Mike AA0AO

N3CXP does it again.



When Sarex made it's contact on March 8th with a school, Tom, N3CXP waited patiently until the school had completed its messages, lost signal, and then gave a quick call and made contact with Ron Parise, WA4SIR, the pilot who was in charge, when our club, DLARC handled the communications some years ago at the Schnecksville School.

Ron, remembered, well the contact when Tom talked to him. but it all finished fast as the Endeavor went over the horizion and contact was lost.

That contact was on the first mission in which SAREX was active.

As one who was there, the excitement that day, when the Shuttle called "**HELLO SCHNECKSVILLE**":to the group of approximately 400 people students and parents, , will remain one of the most exciting applications of Amateur Radio in my time in this hobby of ours.

de Clarence, W3PYF

Kudos to the FCC

de Bob, KE3AW

With their improved computer system for license processing, the FCC has streamlined the issuing of new licenses and upgrades -- from a turn around time of about 12 (or often more) weeks to as few as 12 days, as experienced by DLARC members!

If you find yourself in a situation with an application to FCC for a period exceeding 3 or 4 weeks (give them some leeway, there may be busier times), you may want call the FCC at **(800)-322-1117** to check on the status of your license. Telephone calls no longer seem to be a bother to the FCC. In fact, calls now can be a part of the routine process in obtaining a license, and the FCC is set up to handle routing of the calls directed by the callers' selections of numbers on their push button tone phones.

Another change. You do not need to carry your license to operate legally! As soon as the FCC has issued your call sign you may operate legally.

If the FCC tells you your new call sign over the telephone, that call confirms it is in their data base. When it is in their data base you are a legal amateur radio operator. Carried further, any person with a license has their call sign on the FCC data base and therefore does not need to carry the license on their person. This struck me as a surprise, but was verified in my conversation with FCC, February 16, 1995. Personally, I think it is desirable to carry the license when operating, or have it displayed in the base station, but legally it is not necessary. It has been noted that ARRL in Newington, CT, requires proof of amateur radio license status before allowing the person to guest-operate W1AW.

These are licensing changes that have taken place over the past month or so; changes we are happy to see. Thanks, FCC. Now let's keep our allocated bands!

***NOTE:** In last month's Prez Sez, the year of 1067 was a typo, if you couldn't guess. It should have been 1994*

de Bob, KE3AW

ARRL update

by Steve Mendelsohn, WA2DHF

With Vanity Callsign gate one about to open in late March, the FCC has contacted ARRL Headquarters with updated information regarding the availability of the new FCC Form 610-V, the application for a Vanity Callsign.

The FCC says that their forms distribution center has received several hundred calls for form 610-V, but since the form is not yet available (and won't be for 2 to 3 months) the distribution center cannot and will not be keeping the requests in a backorder file during the interim. They will be ignored.

After the new form becomes available -- which would be after the first of May, requests for form 610-V should then be submitted to the forms distribution center. The Commission seems to feel that the demand is greater than what they would have envisioned! ARRL believes that the demand that FCC is seeing is probably the tip of the iceberg.

FCC has asked the ARRL to make it widely known that any past or future requests submitted to the Distribution Center before May 1st will not be honored. It will be discarded. A draft copy of the new Form 610-V went to the Office of Management and Budget, the government's forms approval office, on February 17, 1995. Normal OMB approval takes 60- 90 days. The Commission also stated that printing time could vary--taking up to possibly 90 days as well. Neither Washington, nor Gettysburg, knows what color the form will be.

As of May 1, FCC Form 610-V can be requested by calling the FCC Forms Distribution Center at 1-800-418-3676.

The FCC recently instituted another toll-free phone line at its Gettysburg, Pennsylvania, licensing division for customer service inquiries. Amateurs may call **800-322-1117** weekdays between 8 AM and 4:30 PM Eastern Time to access an automated information system with recorded messages on interference complaints, form requests, records, and Amateur Radio call sign assignments. A ouch-tone telephone is required.

ARRL Update ..... The Hudson Division Report is a service of Hudson Division Director Steve Mendelsohn, WA2DHF

Remember, joining ARRL is not just a magazine subscription. Contact Dick Dech, KA3MOU for details on your membership

Ima Lidd

A timely primer on antennas

by Van, K3CP

"Hello, Ima," said Elmer, greeting his friend, Ima Lidd, for another discussion on radio and electronic theory as it applies to ham radio.



"Hi, Elmer," replied Ima. "What are we going to talk about this month?"

"This month I would like to talk about some of the lesser known properties of common antennas that are of great importance to the ham operators."

Elmer continued. "I would especially like to talk about a little known, but vital feature of the popular half wave dipole. Do you know which antenna I am talking about, Ima?"

"Yes, I think so," said Ima. "The wire antenna that is cut to a half wave length at the desired frequency and fed at the center with 52 or 72 ohm cable."

"That's the one, Ima," said Elmer. "The feed line is generally 52 ohm coax either, RG58 or RG8. We hams go to great lengths to get a low SWR for the transmitter to look into. This is important, but we never, or seldom, pay any attention to the standing wave on the antenna itself."

"Wait a minute there, Elmer, I never knew there was a standing wave on the antenna. I thought they were only on the lead in wire."

"No, No, Ima. There is a huge standing wave on a dipole. Didn't you ever notice the drawings or sketches in the handbook that show this wave in graphic form? Generally there are two curves, one representing the current standing wave and the other depicting the voltage one. The current wave is greatest in the center and the voltage is highest at the ends."

"Oh, yes," replied Ima. "Now that you've mentioned it, I have seen that many times. I just never paid much attention to it because there wasn't much that could be done about it."

"They do exist," continued Elmer, "and they can cause a lot of trouble unless we take steps to eliminate them, or at least reduce them as much as we can. The first thing to do is to is shunt either the current or voltage maximum to ground with a series resonant circuit. This circuit should be a tank circuit that is tuned to the operating frequency. This method is very effective I assure you, Ima. Also, this will greatly reduce most QRM when in the receiving mode."

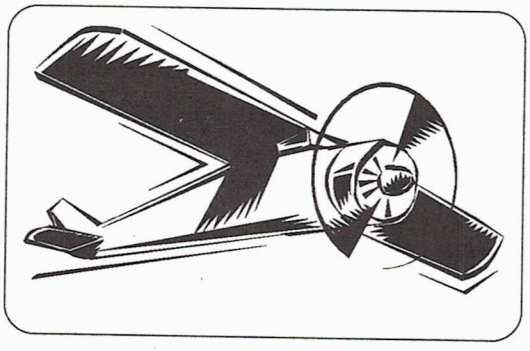
"OK, Elmer," said Ima. "What other topics do you want to discuss this month?"

"There is one more subject that I think is appropriate to discuss this month and that is a one quarter wave vertical antenna of the type we use on 2 meters with radials for a ground plane. We always think of this antenna as being fed at the bottom. Suppose we fed it at the top? How would the performance be altered, and would it be for the better or not? Let's explore what would happen if we took our two meter transceiver into an airplane and mounted the antenna on the top of the fuselage. When we take off in our airplane the antenna will be the normal vertical antenna with the metal surface of the airplane serving as an excellent ground plane. It will be fed in the usual manner at the bottom. Now, If the pilot turned the plane upside down, the antenna would still be a vertical, BUT now it's fed at the top! What are your thoughts on that, Ima?"

"Hmmmm, that's something I never thought about. I don't know what effect that would have on the operation. What would happen, Elmer?"

"Think about it for a moment, Ima," continued Elmer. "When on the ground, the bottom feed point is low impedance and the top end is high impedance. When we take the antenna up in the plane and the pilot rolls it over, we are now feeding the antenna at the top which is, of course, the high impedance point. Now there will be a tremendous mismatch to the vertical. Not only that, but the voltage would be high. This probably would cause a great deal of discomfort if you were running a kilowatt."

Elmer continues. "For these reasons, Ima, it would be a good idea when working aeronautical mobile to tell the pilot to give you advance warning before he does a wing over. Do you understand what I've told you this month? Do you have any questions?"



"Yes, I do have one question, Elmer," said Ima Lidd. "What would happen if the pilot only did half of a roll over? You know, with the wings vertical."

Elmer quickly responded. "Well, in that case, Ima, we would have a horizontal vertical antenna. See you in May.

de Van, K3CP

EDITORS NOTE:

Just remember that this is the ***April*** *Issue of the W3OK Corral.*

Contest Calendar

by Barry, KU3X

Apr 8-9	QRP ARCI Spring QSO Party, CW
Apr 12-14	DXYL-NAYL Contest, CW
Apr 14-16	Japan International DX Contest, CW
	SARTG World Wide AMTOR Contest
Apr 17	ARRL VHF/UHF Spring Sprints
Apr 22-23	Friendship Contest
	10-10 International Spring CW QSO
	YU DX Contest
Apr 25	ARRL Spring Sprints, 222 mhz
Apr 26	W1AW Qualifying Run, 10-35 WPM
Apr 26-28	DXYL-NAYL Contest, phone
Apr 29-30	Helvetia (HB9) Contest

Contest Exchanges

QRP ARCI Party: RST, State, ARCI number or power
DXYL-NAYL Contest: RS(T), QSO number, section
Japan Contest: RST, prefecture number (01-50)
SARTG AMTOR Contest: RST, name, QSO number
ARRL VHF/UHF Sprint: Grid-square location
Friendship Contest: RST and state
10-10 QSO Party: Name, state, 10-10 number
YU DX Contest: RS(T) and ITU zone
Helvetia Contest: RST, and three digit serial number

de Barry KU3X

Top Ten Reasons A Ham Would Make A Great President

by Chris, KC5COF

10. The base of a 1000 foot tower in the Rose Garden would become an important backdrop for Presidential photos.

9. Gets to give 4 friends the really short, cool callsigns "W", "A", "K", and "N".

8. Gets to invite the high-scoring Field Day team to lunch at the White House.

7. Has the National Park Service mount a pair of stacked 80-10 log periodics on the peak of the Washington Monument.

6. Gets to use foreign summit meetings as a way to hold incredible DXpeditions.

5. Says that Detroit is truly 'third-world nation'; permits "new country" status.



4. Declares "Dayton Weekend" a National Holiday.

3. Packs the Supreme Court with hams who overturn all tower-variance denials.

2. Signs a bill making use of the word "destinated" a Federal offense.

1. Revokes United Parcel Service's claim to 220 MHz band; re-assigns them to 27.195 MHz

de Chris KC5COF ---

Amateurs help sought for Special Olympics

Amateur Radio will play an important role in the 1995 Special Olympics World Games this summer and amateurs around the world are asked to help.

The World Games, to be held June 28 to July 9 in New Haven, Connecticut, are expected to draw more than 10,000 athletes and their delegations from 140 countries, in addition to 45,000 volunteers, and perhaps hundreds of thousands of spectators and many celebrities.

Brian Battles, WS1O, Amateur Radio Liaison for the event, said "This is likely to be one of the largest public service communication support opportunities most US amateurs will ever see."

Battles said amateurs will help by operating a special-event station, W1SO (for Special Olympics), originating free radiogram greeting traffic on behalf of Special.Athletes and spectators, and in other areas as needed.

All amateurs in Connecticut and nearby are invited to assist, and hams outside Connecticut are asked to be prepared to relay and deliver National Traffic System radiograms, and to make contacts with W1SO.

For more information, send mail to Brian Battles, in care of ARRL HQ, via packet to WS1O@W1EDH.CT.USA.NOAM.



So you want a day off?

Let's take a look at what you are asking for. There are 365 days per year available for work. There are 52 weeks per year in which you already have 2 days off per week, leaving 261 days available for work.

Since you spend 16 hours each day away from work, you have used up 170 days, leaving only 91 days available. You spend 30 minutes each day on coffee breaks, that accounts for 23 days each year, leaving only 68 days available.

With a 1 hour lunch period each day you have used up another 46 days, leaving only 22 days available for work. You normally spend 2 days a year on sick leave. This leaves you only 20 days available for work. We are off for 5 Holidays per year, so your available working time is down to 15 days.

We generously give you 14 days vacation per year, which leaves only 1 day available for work and I'll be damned if you're going to take that **DAY OFF!!!!!!!!!**

73 from Harry, KD4JMV

Startling statistics

Technician class hams are literally on their way to ruling the world of Amateur Radio in the United States. This according to some startling 1994 year end statistics recently released by the FCC.

The commission sez that forty percent of all radio amateurs licensed by that agency hold Technician or Technician Plus licenses with the Tech Plus leading the no-code Techs by a slight margin. Put into numbers, this means that some 186,000 of the estimated 250,000 hams in the United States and its possessions are Technician class operators, with up to 5000 new Techs joining the ham radio ranks every month.

Even more startling is the overall increase in the total growth in ham radio over the last ten years. We are up a bit over 62% from where we were in 1884. An increase of almost 250,000 from the half million figure the FCC's licensing computer put out a decade ago.

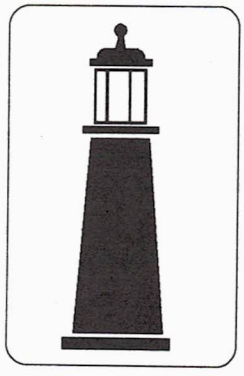
Looked at in dollars and cents the numbers are really astounding. If each ham licensed today were to buy only five hundred dollars in equipment over the next twelve months, the net income to the ham radio support industry would be in the order of $375,000,000 -- that's million dollars.

More realistically, if only 10% of that figure or 75,000 hams spend $500 on gear the net to the industry by this time next year that would be $37,500,000 or there about.

de Newsline.913

Foggy night

One foggy night at sea, the Captain of the ship saw what looked like the lights of another ship heading towards him. He had his signalman contact the other ship by light. The message was:



// Change your course 10 degrees to the South. //

The reply came back: // Change your course 10 degrees to the North. //

Then the Captain answered:
// I am a Captain, so you change your course 10 degrees to the South. //

Reply: // I am a signalman First Class -- change your course 10 degrees to the North. //

The last exchange really infuriated the Captain so he signaled back:

// I am a Battleship – change YOUR course 10 degrees to the South. //

Reply: // I am a Lighthouse -- change your course 10 degrees to the North. //

There were no further light signals seen.

author unknown

Backup.

If you need a 450 repeater for use, in the area, the DLARC repeater, W3PYF, is back up thanks to Charlie, K3HKZ.
It is on **443.450**, no PL, but until it has a controller on it please identify the repeater for me.

73 Clarence

Hamfest schedules 1995

Atlantic Division ARRL

+APR 1 Appalachian ARG - Lebanon, PA
+APR 2 Delaware Valley Radio Assn - Trenton, NJ
+APR 23 Penn-Del ARC - Wilmington, DE
+MAY 7 Warminster ARC - Wrightstown, PA
+MAY 14 Antietam RA - Hagerstown, MD
+MAY 19-21 Rochester - Rochester, NY
+JUN 3 Rome RC - Rome, NY
+JUN 4 Breezeshooters - Butler, PA
+JUN 4 Tamaqua Area SB ARA & Anthracite Rptr Assn - Tamaqua, PA
+JUN 11 Central PA - Winfield, PA
+JUN 11 Lancaster ARC - Darien Center, NY
+JUN 11 Hanover Hamming Assn - Hanover, PA
+JUN 17 Skyline ARC - Cortland, NY
+JUN 18 Frederick ARC - Walkersville, MD
+JUL 2 Murgas ARC - Wilkes-Barre, PA
JUL 4 Harrisburg RAC - Bressler, PA
+JUL 9 BRATS - Timonium, MD
JUL 9 Genesee Radio Amateurs - Alexander, NY
+JUL 22 Jonestown Mtn Rptr Assn - Huntington Mills, PA
JUL 23 Indiana Co. ARC - Indiana, PA
+JUL 29 Columbia-Montour ARC - Berwick, PA
AUG 5 Jefferson Co. ARC - Clayton, NY
AUG 6 Mid-Atlantic ARC - Warrington, PA
AUG 6 Skyview ARC - New Kensington, PA
+AUG 12 Fingerlakes - Ithaca, NY
+AUG 13 Delaware-Lehigh ARC - Easton, PA
+SEP 9 Radio Assn of Erie - Erie, PA
+SEP 10 Butler Co. ARA - Butler, PA
SEP 10 Foundation for Amateur Radio - Gaithersburg, MD
+SEP 16 Buffalo - Hamburg, NY
SEP 30 Elmira, NY
+OCT 22 RF Hill ARC - Sellersville, PA
OCT 29 Mason-Dixon - Westminster, MD

73 de Hugh Turnbull, W3ABC, Director Atlantic Division ARRL @ WA3TAI.MD Kay Craigie, WT3P, Vice Director Atlantic Division @ WB3JOE.PA

Hudson Division Hamfests

Upcoming 1995 Hudson Division Hamfests

April 2 Deleware Valley Radio Assn, Trenton, NJ
Ed Vickner, K2SNK 609-883-5318

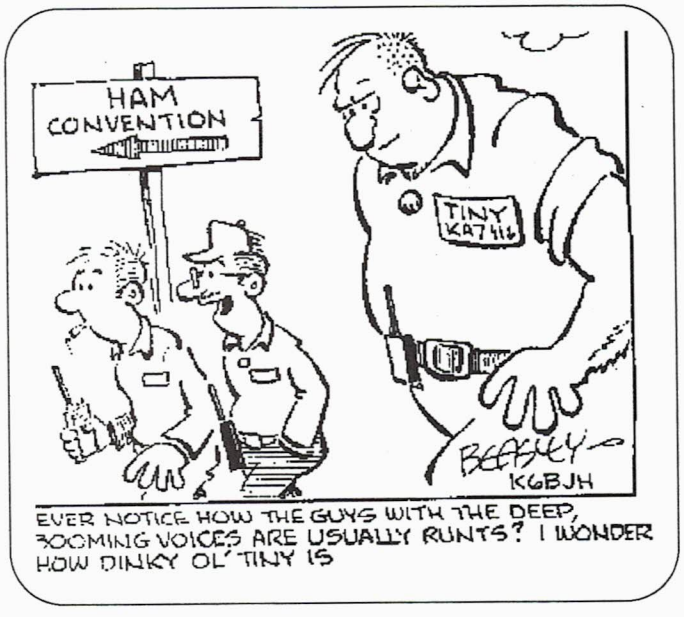
April 8 Irvington-Roseland ARC, West Orange, NJ
May 7 Metro-70 Network, Yonkers, NY
May 20 Cherryville Repeater Assn, Belvidere, NJ
Marty Grozinski, NS2K 908-806-6944
May 2 Long Island Mobile ARC (LIMARC), Woodbury, NY
June 3 Bergen ARA, Teaneck, NJ
June 11 Hall of Science ARC, Queens, NY
June 17 Raritan Valley Radio Club, Dunellen, NJ
August 27 Yonkers AR, Yonkers, NY
Sept 10 Hall of Science ARC, Queens, NY
Sept 17 Long Island Mobile ARC (LIMARC), Woodbury, NY
Sept 24 Metro-70 Network, Yonkers, NY

The Hudson Div. Hamfest Calendar is a service of ARRL Hudson Division Drector Steve Mendelsohn, WA2DHF and Vice Director Paul Vydareny, WB2VUK

English, why we use Q signals

If an S and an I and an O and a U
With an X at the end spell Su:
And an E and a Y and an E spell I,
Pray what is a speller to do?
Then, if also an S and an I and a G
And an HED spell Side,
There's nothing much left for a speller to do
But to go commit siouxeyesighed!

-- Charles Follen Adams, "An Orthographic Lament"
from RF HILL MHz Times, February, 1995



Minutes of General Meeting

March 2, 1995

by Bob, N3OLH, Secretary

The March meeting of the Delaware-Lehigh Amateur Radio Club was called to order at 7:35 P.M. in Room 260-261 of the College Center at the Northampton County Community College on Thursday March 2, 1995 by Bob Green, KE3AW, the Club President. Approximately 65 members were present.

Amy, KD3TI, made a motion to approve the minutes of the February General Meeting as printed in the March issue of the W3OK Corral, subject to the following correction: "Chuck's call, in reference to the Hamfest, be changed from N3SQD to KD3SQ." The motion was seconded by Jim, N3QZS, and was approved by the membership.

The Treasurers report was presented by the Club Treasurer, Dick, KA3MOU. The report showed a cash balance of $8,174.28 as of February 28. Ray, N3RBK, made a motion to accept the Report and the motion was seconded by Ray, W3TDF. The report was accepted as read. Dick also reminded the members that Club Logos, Jackets, Hats and T-shirts are available and can be purchased through him.

The president informed the membership that Margaret, the wife of John, W3BAL, died on March 1. and expressed the condolences of the Club.

Membership applications were received from

Mitch Bloom, N3UGS

Glenn Brodt, Sr., N3ULW;

Robert Eustice, No Call

Timothy Hauf, N3UJK.

A motion by Bob, W2CCE, and second by Chuck, KD3SQ, was made to accept these applicants into membership. The membership voted to accept these members. The club welcomed the new members into the club. The President announced that there are now 428 members.

Bill, K3ANS, told the group that Everett Weller, a name synonymous with soldering guns, was supposed to attend this meeting, however, because of personal problems was unable to attend. He will probably attend the April meeting.

Members who participated in the recent Winter Challenge should send in their logs to the Club so that Blair can determine the winners.

Tom, N3LLL, Chairman of the Technical Committee some that repeater control operator's classes will be held soon.

Don, W3LR, told the group about at recent meeting that was held in the Philadelphia area to form the ARCP, a group that we hope will take over the responsibilities of repeater coordination in Eastern Pennsylvania. The meeting was attended by about 60 interested parties and has raised about $700 in operating funds (DLARC has contributed $200). Three of are members are actively working with this group, Don, W3LR; Ron, K3LPR and Vic, N3IQD. Our club will have significant input into this group's policies.

The president thanked all of those members who do a tremendous job in getting out the monthly newsletter: Clarence, W3PYF, the editor; Norm, K3NZ, the printer; Dick, KA3MOU, who makes up the labels and Bill KA3OEG, who gets them ready for mailing and mails them. All members were encouraged to submit articles or items of interest to Clarence for inclusion in the publication.

Joel, K9TBD, also asked that members contribute articles for the digital column.

Scores for the 1994 PA QSO party have been released. DLARC beat out the second place club by about 1,000,000 points and our own member Bill, K3ANS was second high in the state.

On March 25, the DLARC will participate in the Nazareth Tech Exposition. Members are encourage to attend. More information can be obtained from the Club President or on the calendar of activities on Clarence's BBS.

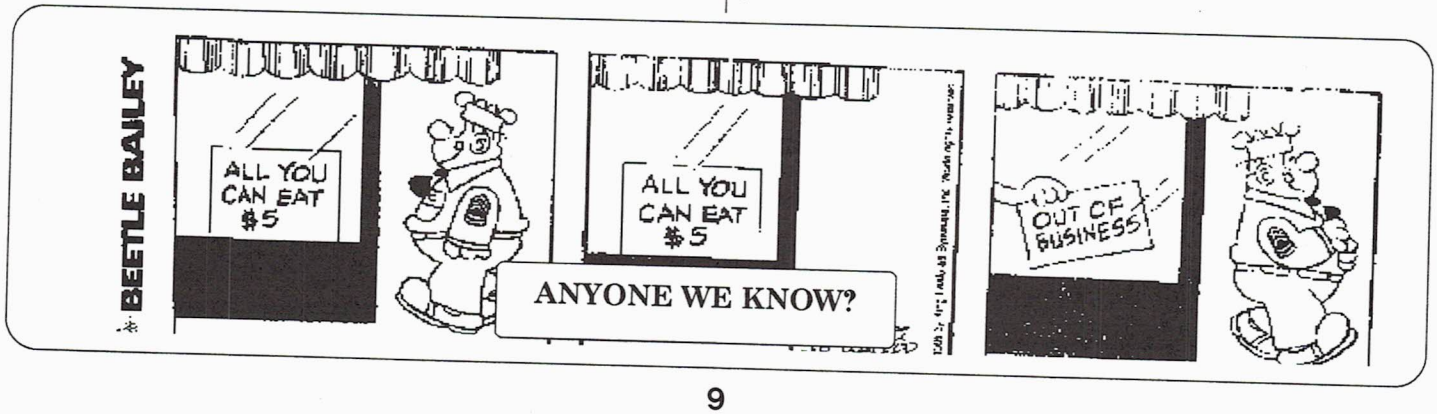
Bob introduced the meeting speaker Ray, W3TDF who spoke on Toroids, Baluns and Antennas.

Chuck, KD3SQ asked the members to think about where they would like to help at our August Hamfest. Please let him know where you will help.

Chuck, KD3SQ, also spoke about the ARRl's handbook on radio frequency design.

The meeting was adjourned at 8:30 P.M.

de Bob, N3OLH, Secretary



My S-9 noise problem.

or

Adventures with Ready Kilowatt!

by George, AA3JU (ex N3OWG)



It all started out quite innocently I suppose. It crept in while I wasn't looking. A buzzy little noise on my HF rig. A buzzy little noise that was so loud, that I couldn't hear anything BUT the buzzy little noise. I remember the day quite well that Ready Kilowatt came to call. During the PA QSO party he knocked upon my door. An unwelcome visitor he was indeed! ***"BZZZZT"***, said Ready.

"WHAT THE BLUE BLAZES WAS THAT!", said I! "Bzzzzzzzzt BZZZZZZ Brap", was Readys' reply.

I jumped to my feet, and ran through my house. Searching out the culprit or device that would destroy team N3OWG's last best chance of being Numero Uno amongst the Keystones elite. I ripped high and low looking for an arcing lamp, unauthorized hair dryer or vacuum cleaner (in my house all electrical appliances must be type accepted by the station operator). None was found. About the time I was frantic and foaming at the mouth my pal Ready gave it a rest. And all was quiet.....for now.

You may be asking yourself who the heck is Ready Kilowatt anyway? Well, my Grandpa used to work for Detroit Edison, and Ready Kilowatt is there mascot. A fictional little fellow constructed of lightning bolts and an electric bulb for a head. And it appears he had made a home on a high tension line behind my house. I never expected this. I live a goodly ways back into the woods. No neighbors to complain about TVI, good spot for ham radio I thought. Save for the 100 gazillion watt power lines in the back yard that is. They dance and sway in the summer to the staccato synchronous symphony of air conditioners cycling on and off throughout the day. (Hey it's either watch the powerlines dance or go watch haircuts round these parts if you want entertainment!)

Well Ready came back with a vengeance a few days later. And he grew in strength every day like some macabre alien from an old Star Trek re run, till around the mid of November when his raucous song got to me. I went to hunt him down. First I swung my beam to a fro and found a spot where his voice was the loudest. A big pole set about 1/2 mile away. So I tromped through the bramble bushes to go and find his home. Armed with a portable short wave receiver in hand and briars in my britches I arrived at the foot of pole #ME1234-AC/LOUD. The crackling and hissing was really most impressive. I had found the source of the interference and my next course of action was clear.....**call the power company.**

Sure that was it! Call the power company! Why those are the nice folks that are always looking out for my benefit, telling me how to save power and reminding me to pay my bills on time. Yes I would call them and they would come right over and fix the noise and send Ready Kilowatt packing his bags right away.

Well I called the power company and quickly reinforced my theory that people get jobs as clerks because they have no soul. I was introduced to Ready's' common law wife Ms. Corporate Runaround. She is and expert in baffling and confounding even the simplest of issues. I knew where the problem was, and knew what it was, and she knew..... Well she knew when we last paid our electric bill that's for sure! But as for fixing the problem well there were other things that took precedence over my CB radio..... "er Mamm it's an amateur radio licensed by the..... Ohh never mind" She was apparently checking to see when my next bill was due and frankly all this technical talk was just cutting into her time to idly chatter about last nights episode of Melrose Place with her co workers.

So I sought help. I talked with a lot of hams who all seemed to have had some type of encounter with ol' Ready or one of his close kin at one time or another. All had fought the good fight Some lost and went to FM some lost and learned to work through the noise, some said blow up the pole. But none it seemed had ever won! All of which was somewhat more entertaining than watching those haircuts I was telling you about but it was not getting my friend Ready to move on.

Suddenly I remembered I knew a fellow who was a lineman for the power company. So I sort of cornered him at church one Sunday. Fact is I ran at him full steam ahead nostrils flared, eyes glowing bright red and froth spewing from my now crackled lips. "HEY BOB WAIT UP!", I screamed. be better off being known either as 'some guy from the Air Force' or 'a Martian'). I told the State Rep that I could be of no use to the voters of his district like this and God forbid anything terrible would happen. Many people might die. And it would be his fault.

The power guys were back the next day.....ready to listen and do what it would take to fix the problems. A special crew from the heartland of Pennsylvania was called in. Sort of like an electrical SWAT team. Clem actually took a walk with me and listened to the portable short wave receiver. We shut down a whole grid to see what would happen. Ready was at once silenced. The EM SWAT team did there work. Climbing a hot pole with 150k volts they went up and nailed nails and turned big screws and did other stuff that I was sworn to secrecy about. And Ready bit the dust.

Score one for the Extra from North Bangor. Ready was gone and I could copy weak and rare DX. The nets were loud and all was back to it's place in idyll again. The only lasting side effect seems to be a more or less permanent loss of most of my hair and beard but hey it's a small price to pay for a little peace and quite on 15 meters. ***de George, AA3JU***

You have found me, my son

Not long ago, a young man, walking barefoot along the beach, felt his toes strike something hard. He dug up a crescent-shaped object and, when he scraped off the sand, saw that it was an ancient oil lamp



As he rubbed it clean, an immense cloud issued forth, then solidified into an apparition in the form of an Arabic-looking woman.

You have found me, my son, and freed me from the lamp. As the Mother of all Genies, I will grant you one great wish, whatever it may be. Now be quick and tell me your wish."

.Oh, great Mother Genie, I have but one wish, and it that there be peace in the Middle East."

My son, of all the requests you might have made, that one I cannot grant, as there has been war in the Middle East since time began, and war will continue there for another 1,000 years."

The ham pulled a map from his pocket. He pointed to the countries of the Middle East and again pleaded that she grant his wish of peace for that troubled crossroads of the world.

But she shook her head, "it is impossible to grant peace in the Middle East, but I will allow you another wish, which I will surely grant."

Disappointed, the ham thought for moment. Then, brightening, he said, "Well, Mother Genie, I'm a ham radio operator. I wish I had a house on a hilltop, a ham station filled with top-of-the-line DXing equipment, three one-hundred-twenty-foot towers, and high performance antennas for all bands mounted atop those towers"

The Mother of all Genies reached out he hand. "Let me see that damn map!"

from ARNS, March 1994 and the Stanislause ARC, "The Readout"-Bob Pinhero, WA6ZLO, Editor.



DXers' best-seller list

by Mike Crabrtree, AB0X

Knowing that DXers like to stay abreast of trends in their hobby. I've compiled a list of popular and thought-provoking publications on DXing and contesting, so DXers can add them to their library.

The list follows:

>*Hemorrhoids and the Contester*
by Red B. Hind

>*Why Home-brew Amp Builders Keep Reloads*
by Justin Case

>*Risky Drive to Dayton* by Ray Darr

>*Physical Fitness for Contesters*
by Jim Shorts

>*Keep Tower-Support wires Above Backyard Traffic*
by Guy Post

>*Work DXpeditions More than once*
by Toby Sure.

>*Certificate Hunter* by Hunt A Ward.

>*Antenna Hardware That's Forever*
by Stan Les Steele.

>*Early Wireless Gear* by Ann Teaks.

>*More Contest Q's* by Collin More

>*All-Band Transceivers* by H. F. Rigs.

>*Matter, Energy, and Amateur Radio* by I.N.Stein

>*Dissimilar Metals on Antennas*
by Wyatt Rust.

>*DXing From your Car* by Moe Beale

>*A Ham Sation on Credit*
by I.O. Lotts.

From ARNS and the February '94 Mount Baker ARC "The Ground Wave, John, W7KCN, editor.

Info:

For your information, **Van, K3CP** has just informed me that he has for **April 1st** been appointed QSL manager for **UP5KC.** *de Clarence W3PYF.*

New Repeater Coordination Group Formed

In the latest issue of REMARCS, the newsletter of the Mid-Atlantic Amateur Radio Club, Edited by Kay, WT3P, It lists one of our members, Ron, K3LPR as in charge of Coordination Policies and Practices.

Good Luck Ron, A tough job.

1995 Virus list

The New Model Year is now available!
Consult your local retailer or hacker

PAUL REVERE VIRUS: This revolutionary virus does not horse around. It warns you of impending hard disk attack -- once if by LAN, twice if by C:>.

POLITICALLY CORRECT VIRUS: Never calls itself "virus", but instead refers to itself as an "Electronic Microorganism".

RIGHT TO LIFE VIRUS: Won't allow you to delete a file, regardless of how old it is. If you attempt to erase a file, it requires you first to see a counselor about possible alternatives.

ROSS PEROT VIRUS: Activates every component in your system, just before the whole thing quits.

OPRAH WINFREY VIRUS: Your 200MB hard drive suddenly shrinks to 80MB and then slowly expands back to 200MB.

AT&T VIRUS: Every three minutes it reminds you what great service you are getting.

MCI VIRUS: Every three minutes it reminds you that you are paying too much for the AT&T virus.

POSTAL SERVICE VIRUS: Arrives two weeks late and mangles files

WARNING: May try to kill everything in system or throw computer in the trash.

TED TURNER VIRUS: Colorizes your old monochrome monitor.

ARNOLD SCHWARZENEGGER VIRUS: Terminates and stays resident. It'll be back...

DAN QUAYLE VIRUS: Their is sumthing rong with your compueter, ewe jus can't figyour out watt.

GOVERNMENT ECONOMIST VIRUS: Nothing works, but all your diagnostic software says that everything is fine.

FEDERAL BUREAUCRAT VIRUS: Divides your hard disk into hundreds of little units each of which does practically nothing, but all of which claim to be the most important part of the computer.

GALLUP VIRUS: Sixty percent of the PC's infected will lose 38 percent of their data 14 percent of the time (plus or minus a 3.5 percent margin of error).

TEXAS VIRUS: Makes sure that it's bigger than any other file.

MICHAEL JACKSON VIRUS: Hard to identify because its constantly altering its appearance.

CONGRESSIONAL VIRUS: The computer locks up, screen splits erratically with a message appearing on each half blaming the other side for the problem.

AIRLINE VIRUS: You're in Dallas but your data is in Singapore.

US AIR VIRUS: Computer crashes taking you with it.

AMERICAN EAGLE VIRUS: See US AIR VIRUS.

FREUDIAN VIRUS: Your computer becomes obsessed with marrying its own motherboard.

PBS VIRUS: Your PC stops every few minutes to ask for money.

ELVIS VIRUS: Your computer gets fat, slow and lazy and then self-destructs, only to resurface at shopping malls and service stations across rural America.

OLLIE NORTH VIRUS: Turns your printer into a document shredder.

BILL CLINTON VIRUS: Denies ever having done anything wrong in this country and spends most of its time playing with sound cards.

HILLARY CLINTON VIRUS: Demands that all other virus programs be reorganized and federally subsidized.

NIKE VIRUS: Just does it!

JIMMY HOFFA VIRUS: Nobody can find it.

JACK KEVORKIAN VIRUS: Helps your computer shut down whenever it wants to.

IMELDA MARCOS VIRUS: Sings you a song (slightly off key) on boot up and then subtracts money from your Quicken account and spends it all on expensive shoes it purchases through Prodigy.

STAR TREK VIRUS: Invades your system in places where no virus has gone before.

HEALTH CARE VIRUS: Tests your system for a day, finds nothing wrong and sends you a bill for $4500.

GEORGE BUSH VIRUS: Starts by saying, "Read my bus .. no new files!" on the screen, then proceeds to fill up all the free space on the hard drive and blames it all on the Congressional virus.

LAPD VIRUS: It claims it feels threatened by the other files on your PC and erases them in "self defense".

NEWT GINGRICH VIRUS: Cuts out 50 percent of all programs, reduces all other files up to 70 percent and blames any problems on the Bill Clinton virus.

HEALTH CARE VIRUS: Tests your system in places where no virus has ever gone before.

CONGRESSIONAL VIRUS: The computer locks up and screen splits erratically with a message appearing on each half blaming the other side for the problem.

ADAM AND EVE VIRUS: Takes a couple of bytes out of your Apple.

INTEL VIRUS: Only affects you computer once every 27,000 years. Unfortunately, today is that once.

courtesy of Jim, WG5E.

"Things to Ponder" file.

by Herb, W0AFY

Was trying to find some background stuff to present at our club meeting Thursday - something I could present to our newest license holders; to aid in formation of good habits in our daily conversational sessions on the air. I found it!

Important information

Promulgating your esoteric cogitations or articulating your superficial sentimentalities and amicable philosophical observations, beware of platitudinous ponderousity.

Let your conversational communications demonstrate a clarified conciseness, a compact comprehensibiliness, or coalescent conglomeration or precise garrulity, jejune bafflement or asinine affections.

Let your extemporaneous verbal vaporations and expatiations have lucidity, intelligibility and vicious vivacity without rodomontade or thespian bombast.

Sedulously avoid all polysyllabic profundity, pompous propensity, psittaceous vacuity, ventriloquial verbosity and valiloquent vapidity.

Shun double entendre, obnoxious jocosity and pestiferous profanity, unobservable or apparent.

In other words, say what you mean, mean what you say, and above

all else, **Do NOT** use **BIG WORDS!**

-*-*-*-*-*-*-

In preparation of this tidbit, I ran it through the Spell Checker and, HAH!, it didn't know most of the words either!

from Herb, W0AFY in the Ozarks of Missouri.

Cheers & 73 ---

Emergency service sought

from ARRL Bulletin 20

The ARRL has filed comments on FCC Notices of Proposed Rule Making concerning a proposed new Emergency Alert System (EAS) in FO Dockets 91-302 AND 91-171.

The EAS proposal signals, the league said, the Commission's intention to integrate broadcast alerting concepts into local and regional emergency response plans, and said that the amateur service is a logical partner in providing emergency information to the public.

The league said that amateur radio has a history of providing emergency communication, through the Radio Amateur Civil Emergency Service (RACES) and the amateur radio emergency service (ARES). The ARRL said that while the commission in its proposal had cited amateurs as an "auxiliary" entity in emergency communication operations, in fact the amateur service is a "principal" provider of communication during disaster relief and other emergencies.

The league said that amateur radio should be considered an available resource at all levels of EAS organization--local and state. The league, the ARRL said, has for some time had memoranda of understanding with the American National Red Cross, The Salvation Army, The Federal Emergency Management Agency (FEMA), The National Communications System (NCS/DOD), The Associated Public Safety Communications Officers Inc (APCO), and The National Weather Service.

The league suggested that EAS participants should be a part of overall emergency planning, not just emergency communication planning, and urged integration of amateur radio (as well as other radio services) into that planning.

March 3rd, VE session

by Robin, WA3T

At this session, three candidates took a total of three elements. There was one upgrade...

James O. Scaggs, KA3PMP up to General

The VE's at this session were John, WX3C; Glade, WA3MVQ Bob, KE3AW; Walt, N3MHW; Bill, NS3J; and Robin, WA3T.

The next test session will be on April 7th; team 4 will be in attendance.

73 de Robin, WA3T, Team Liason Alternate

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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==1994-1995==

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