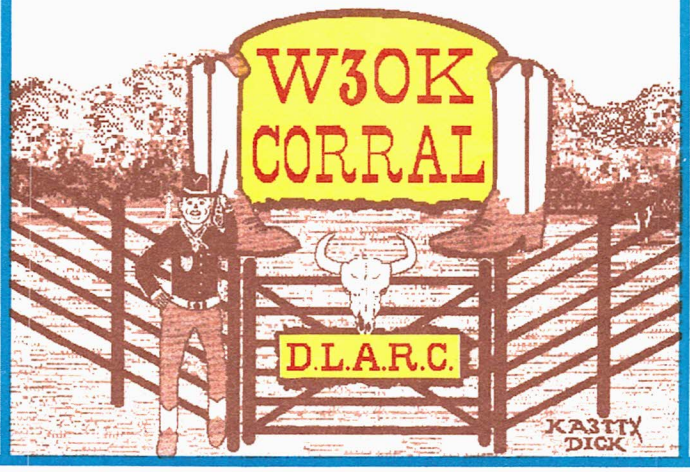
DELAWARE - LEHIGH AMATEUR RADIO CLUB, INC. W3OK

October 1992




SPECIAL SERVICE CLUB
ARRL

ARRL Affiliated Club

# PAQSO PARTY OCTOBER 10th & 11th

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**DON'T BE LOAFY, GET BACK THE TROPHY**
**PENNSYLVANIA QSO PARTY**
by Ray, W3TDF

**OCT. 10/11, 1992. TIMES - 1600Z to 0500Z (Sat. 12N to 1AM EDST) and 1300Z to 2200Z (Sun. 9AM to 6PM EDST).**



Please keep logs in GMT(Z time), which is 4 hours different.

If you participated and submitted a log in the last 2 or 3 years you will automatically get an announcement in the mail before contest time, (part of where your dollar went). I should have the rules and logs to distribute at the October meeting. I will also include some suggestions as a result of log checking in the past years.

**PLEASE, LETS NOT BE SLACK,**
**LET'S GET THE TROPHY BACK !**

As usual, club members are urged to get on 3870Khz friday night 9PM (till 10), to check out your 75 meter signals etc.

Some facts of interest:- County records held by DLARC Members; KO3M(Carbon); K3NZ(Lehigh); K3ANS(Northampton); KB3TS(Monroe); and W3TDF-(Bradford, Cambria, Clarion & Greene). There were 39 stations that worked all counties (clean sweep) in 1991, including DLARC's N2LAU(NNJ).

**DON'T LET YOUR BUDDIES DOWN,**
**BRING THE TROPHY BACK TO TOWN.**

73 de Ray.

**ELECTION OF OFFICERS AT THIS MEETING**
**OCTOBER 1st**

**WHAT ARE THE COUNTY HUNTERS?**
**FIND OUT AT THIS MEETING**
by Bill, K3ANS, DLARC Program Chairman

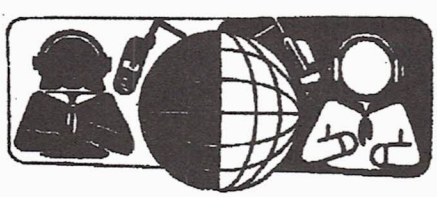
What is rarer than DXCC Honor Roll and has been earned by fewer than 780 hams out of the more than 3 million who have been licensed world wide during the past 70 years, and usually takes place on one main SSB and one main CW frequency and doesn't require a three kilowatt linear. Come to the Delaware Lehigh Amateur Radio Club meeting on September 1st and learn what this is all about.

Paul Scipione, AA2AV will tell how this all takes place. Paul is an avid county hunter, DXer holding DXCC,WAS,WAC and WAS QRP/CW. Paul is trying now to work all 3076 counties as QRP/CW. Paul also holds the callsign AAA9RP as the National Coordinator of Public Relations for Army Mars.

Paul is the MARS columnist for Worldradio. He is a Vietnam veteran (101st Airborne Division).

**35th JAMBOREE ON THE AIR**
**Radio Scouting hits the trail**
by Bob, KA3WJF

***"CQ JAMBOREE"*** ...That's what will be heard on the weekend of October 17-18 when the



35th Jamboeree on the Air (JOTA) takes place. Scouts from all over the world will be sharing friendships with the help of radio Amateurs. All DLARC members are being asked to fire

( continued on Page 2 )

## The Truth About Electronics

by Doug, N7KEJ

As a newly licensed amateur radio operator studying to upgrade my privileges, I had a very hard time comprehending different terms. I did a lot of research in my local library and discovered some little known facts.

One of the most often used and least understood terms is **VSWR**. **VSWR** is a contraction of **VEESWAR**. The **VEESWAR** is a small creature that lives in coaxial cable. **VEESWARs** look like a cross between the Munchkins and Dopey. They're so small they can only be seen with a scanning electron microscope. The **VSWR** ratio shows how many **VEESWARs** will feed on a single **WATT** of power. A well nourished **VEESWAR** needs to consume only a single **WATT** to remain healthy. **VEESWARs** that are not taken care of require more **WATTs** to stay alive. For example, a community of **VEESWARs** that consumes three times the necessary number of **WATTs** has a ratio of 3:1. But a community of **VEESWARs** that consume only what they need for survival will provide a ratio of 1:1.

**WATTs** are also small creatures that travel through your coax to feed and graze. These cattle-like animals are very lazy, and will take the easiest route available to obtain their food, which they call "ground". Ground-round is a favorite food of Humans. In the same manner, ground-loops are a delicacy for **WATTs**. In order to obtain this treat, **WATTs** will blow a hole in the side of your coax. **WATTs** were given their name by someone who asked, "How much power does an amateur handheld take to access a repeater?" When told the amount of power, he responded, "**WATT?**" The name and spelling took.

Many hams believe that their **ANTENNAS** actually send their signals into the atmosphere, to bounce off the ionosphere and eventually end up in some foreign land. Nothing could be further from the truth. **ANTENNAS** are actually cleverly designed devices that tap the combined energy of being. This energy was best described as the **FORCE** in the Star Wars trilogy. When **WATTs** travel through your coax, evading the hungry **VEESWARs**, they are sent by your **ANTENNA** into another dimension. There they wander aimlessly until they are sucked back into this dimension by someone eles's **ANTENNA**.

Another term is db. When English was being formed from German origins, the term Hammer and Dumbbell were interchangeable. As the science of electrons was developed, early experimenters looked for a term that would describe the level of power being absorbed by their ANTENNA. The level of received energy is equated as "being hit by a sledgehammer." An **S-UNIT** refers to the sledge factor. Anything over an S-9 (equal to a nine-pound sledgehammer) is given in db. So a 20 over 9 would be equivalent to a nine-pound sledgehammer plus 20 dumbbells. Understanding these terms will help hams run their stations much more efficiently. This keeps other dimensions uncluttered and our **VEESWARs** in good health. It also prevents sledgehammers and dumbbells from falling out of the sky.

de Doug, N7KEJ

## JAMBOREE ON THE AIR

(continued from Page 1




on this weekend. Tiger Cubs, Cub Scouts, Boy Scouts and Girl Scouts will be anxious to learn of distant Scouts and Amateur Radio.

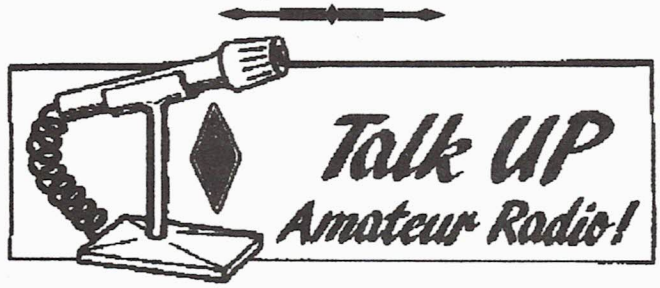
The JOTA starts at Midnight on Friday and continues through Sunday. The World wide Calling frequencies are:

CW: 3.590, 7030, 14,070, 21.140 and 28.190

Phone: 3.940, 7290, 14.290. 21.360 and 28.350

If you cannot host a scout group, try and give a contact to particpating stations. N3AOI (Daryl) will be operating a multi-band Station from Camp Minsi in the Poconos. Special QSL cards are available. For more information see page 61 of September QST. Information for local JOTA can be obtained from club members WD5BRP @253-3775 or KA3TJF @ 252-0335.

de Bob, KA3TJF




*FOR CLUB INFORMATION*

*CALL 820-9110*

## ** CONTEST CALENDAR **

by Barry, KU3X

| | |
|---|---|
| Oct 3-4 | California QSO Party |
| | VK/ZL SSB DX Contest |
| | 1992 F9AA Cup Contest |
| Oct 4 | The UCWC Contest 1992 |
| Oct 6 | W1AW Qualifying Run 10-35 WPM |
| Oct 10 | W1AW Qualifying Run 10-40 WPM |
| Oct 10-11 | **** PENNSYLVANIA QSO PARTY **** |
| | VK/ZL CW DX Contest |
| | XV Concurso Lberoamericano |
| Oct 11-12 | Illinois QSO Party |
| Oct 14-15 | YLRL CW Anniversary Party |
| Oct 17-18 | ARRL International EME Competition |
| | QRP ARCI Fall CW QSO Party |
| | Worked All Germany Contest |
| Oct 24 | W1AW Qualifying Run 10-35 WPM |
| Oct 24-25 | CQ World Wide DX Contest, SSB |
| Oct 28-29 | YLRL SSB Anniversary Party |

CONTEST TIP #5

Use a good contest program if you have a computer. There are a lot of programs available. For the worldwide contests, K1EA has the most widely used one. For the PA QSO Party, the club has a great program available that was written by K3CP and WA3T. Both of the above mentioned programs require an IBM type computer. If you have another type of computer, there are usually programs available.

73 de Barry KU3X

## VE TESTING RESULTS

by John, WX3C

At the September 4th VE Session at Gracedale, 10 candidates took a total of 15 elements. There were 4 up-grades and 3 new Tech's. These were:

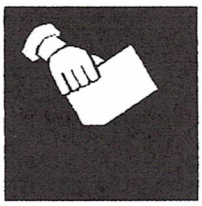
Anne A French, N3IUX, Advanced.
Deborah L Porter, N3NCZ, advanced.
Philip A Leone, K3KWN, advanced.
Gregory D Corbitt, KB3AIC, Technician.
Stephen Finelli, Andrew R Young and Darrel L Cummings, new Technicians.

The VE team consisted of Robin, WA3T, Bill, NC3P and John, WX3C.

The next VE test in the Greystone Building at Gracedale will be on October 2 at 7:00 pm. The VE team will be team 2.

de John WX3C, coordinator

## ELECTION OF OFFICERS THIS MEETING



At the October meeting of Delaware-Lehigh Amateur Radio Club election of officers will be held. The following have been nominated by the nominating committee and from the floor at the September meeting.

President: Robin Mosley, WA3T *

Vice President: *(vote for one)*
Robert Green, KA3AW
Robert Puharic, WF3H

Treasurer: Richard Dech, KA3MOU *

Secretary: John Holmes, N3IGA

Board of Directors: *(vote for five)*
Norman Daniels, N3GXW *
Robert Gifford, KA3TER
Ed Gigliotti, W3APE
William Goodman, K3ANS *
Chris Hornaman, NU3L
Wayne Kline, KY3N
Robert Kratz, KU3K *
Clarence Snyder, W3PYF *

*=Incumbent

As immediate past president, Ray Bilger, W3TDF remains on the board.

A write up on each candidate who are opposed appears in another section of this Newsletter.

## FOR SALE

Kenwood 520 SE 160 to 10 meters transciever. Has 500 cycle cw filter, spare set of tubes, (2) 6146B (1) 12BY7A. Owners manual, looks good, works great. $375.00 or best offer. Call Wayne, KY3N at 215-845-8431.

## SOMETHING TO THINK ABOUT

*I shot some watts into the air,*
*Where they went I do not care;*
*But this much I will have to say...*
*I lose a lot of watts that way.*

## PROPER OPERATING ETIQUETTE
by John KA9EPO

The lid population continues to grow as amateurs continue to learn poor operating habits from each other. Usually in the case that proper Amateur Radio procedures were never learned to begin with. The result is our amateur bands sounding like a CB wasteland. It looks like our club has their work cut out for them if they want to maintain the honor and respect they have worked so hard for in the eyes of the public. I will admit, however that some lidisms without realizing it, myself included. But one can always learn to break a bad habit. Let's try to take a closer look at some of the most common lid terms and come up with a logical explanation for their use.

One of my pet peeves is "QRZ the frequency." *The ARRL Operating manual* says that QRZ is a Q-signal meaning "Who is calling me?" It seems as though the operator using this term is wanting the frequency to call him! Sounds pretty dumb to me! I would much rather hear, "CQ CQ ...is anyone out there? This is "W3PYF calling." Doesn't that make more sense? Q-signals were devised by high-speed CW operators as a form of short-hand in order to cram as much information as possible into their transmission while keeping their transmissions as short as possible. What use they have on phone is questionable.

Then there is "QR-Mary" and "QR-Nancy." Good grief! The operator should just say he has static or interference. In many cases, the Q-signals on phone causes more confusion than if the operator had gone ahead and said what he meant in the "Queens English."

Here is another one which you must be ready for at a moment's notice: "Hi Hi." Laugh if you find something funny, not "Hi" or "Hi-Hi" which only tells the one you are talking to that you know how to laugh in CW!

One more that I get a kick out of when on the high frequencies is "CQ Dog X-Ray". Good grief! who wants an X-ray of a dog! Why not just say CQ DX and be done with it.

One more is a new word which is unique and which hams use quite frequently on the repeaters: "destinated." This (though no such word exists) is used to inform other operators that you are at or close to you destination. Why not just say "I am at my destination" or "I am close to my destination" and sound like there's some thing between the ears besides QRM!

If we take a close look at our operation, we will see just how silly we sometimes sound on the air. Then we can get serious about our Amateur Radio practices and break these bad habits. Let's restore the craft of Amateur Radio practices and break these bad habits.

Let's restore the craft of Amateur Radio. We, and those have gone on before have worked very hard to get where we are today.

## FOR TRADE

I am looking for a two meter station that I can use as a home station.

1..Scott Model R327 AM/FM Stereo Receiver Receiver, complete with original manual.
2. MCS Series Modular Component System Stereo Cassette Deck, complete with manual.
3. Sony stereo turntabel system 1100.
4. 2 small speakers.

If you have a two meter rig to trade, call Winfield, N3IBW at 215 965-5103.

## WHAT TO DO IF YOU SPOT BAD WEATHER
### Skywarn Notice

What do on packet if you are an accredited watcher.

1. Hail of any size
2. Winds in excess of 55 m.p.h. (estimated)
3. Funnel cloud
4. Tornado
5. Wall Cloud
6. Rain in excess of 1 inch per hour
7. Snow in excess of a rate of 1 inch per hour or 6 inches in 24 hours
8. Freezing rain or freezing drizzle (not sleet)
9. Flooding of roads streams or rivers

This is what they would like to hear about anything else is not of interest to them. Connect to N3HKX-4 on 145.01.

When you connect you will not get a live body so simply type in your spotter number, location, weather sited and time and date.

After you do this simply disconnect until you have something else to report DO NOT STAY CONNECTED!

*This information supplied by Vic, N3IQD*

# IMA LIDD
# Dippers

by Van, K3CP

Ima Lidd greeted Elmer, "Hello, Elmer. Would you please explain to me what a dipper is and how it works?"

"Hello to you too, Ima," replied Elmer. "I will be glad to talk about dippers.

"They used to be called "grid dippers" when they were made with vacuum tubes. They are simple oscillator circuits designed to operate in the frequency range from 500 KHz. to several hundred Mhz.

"Before we get any further along with the description of them, though, I would like to discuss their use. They are one of the most useful pieces of test gear that we can have around the shack. They are simple to construct and we can talk about that later if you would like. The main use for a dipper is to measure the resonant frequency of a tuned circuit or antenna system (which is really a tuned circuit). Modern dippers are made of solid state devices called metal-oxide silicon field-effect transistors (MOSFET's), so they are no longer called grid dippers. They have several advantages over the tube dippers. One of the main ones is that they are battery operated.

"They are made to cover a range of frequencies. Those of particular interest to hams are ones in the HF and VHF-UHF range. The ones designed for HF have a set of plug-in coils or a band switch in order to cover from 1.8 Mhz. to 30 Mhz. They consist of an oscillator with a variable capacitor, a meter and a sensitivity control. As I mentioned earlier, they are oscillators and therefore their signal can be heard on an HF receiver in the CW mode. This is a convenient method for calibrating a home brew unit or checking on the accuracy of a purchased one."

Ima Lidd interrupted. "It certainly sounds as if I should have a dipper around my shack. Are they very expensive, Elmer?"

"Well that depends on whether you buy a new one or a used one or even build one yourself. They would make a nice, easy project for anyone to build. I would recommend that you try to build one.

"Let's get on with how they are used. They can be used to measure the frequency of a tuned circuit, cut coax cable feed lines to 1/4 or 1/2 wave length, or to measure the resonant frequency of an antenna. Suppose you wanted to measure the frequency of a tuned circuit of one of your pieces of equipment. The first thing you would do is to select a plug-in coil for the dipper that covers the frequency range in which you are interested. You then turn the dipper on and bring it into close proximity of the tuned circuit. Then slowly turn the capacitor of the instrument until you notice a dip (reduction) of current on the dipper's meter. This dip will occur at the resonant frequency of the circuit under test. You can use the calibrated dial to determine the frequency or, if you want better accuracy than that provided by the dipper, you can tune a modern receiver until you hear the dipper oscillator."

"What causes the dip in the meter, Elmer," asked Ima.

"The dip occurs because both circuits are tuned to the same frequency. The circuit under test absorbs energy from the gate circuit of the dipper which results in a reduction of the current in the gate circuit of the MOSFET.

"The dipper can be used to measure capacitors and inductors. You will need a capacitor of known capacity to measure inductance and an inductor of known inductance to measure capacitance. For example, if you wanted to measure the value of an inductor, you would simply connect it in parallel with a capacitor of known value and using the method described earlier determine the resonant frequency of the combination. Then you could calculate the inductance of the coil by using a variation of the formula for the resonant frequency of a tuned circuit.

Elmer continued, "The dipper can also provide a low level signal for exciting RF bridges or as a signal source for testing receivers. You can even plug a crystal into the coil socket to see if the crystal is working. It's a very useful little instrument, Ima."

"I understand, Elmer,"said Ima. "Thanks for a good session. See you later."

de Van, K3CP

**DON'T BE LOAFY, GET BACK THE TROPHY**
**We did it before**
**And we can do it again!!!**

CLUB PICNIC 1992
by John, N3IGA, picnic chairman

Well, the picnic is over for another year. The weather was perfect as far as no rain. It could have been a little cooler, but I was just happy that it was clear. Everybody seemed to have a good time. There were about 90 attending the picnic who enjoyed all the good food.

The music was again provided by Marvin, KA3TEO, and his XYL, Dee, KA3WOB. Marvin played an electronic keyboard. Dee played an instrument called an Omnichord. Played together the music sounded great.

The Horseshoe Champ this year again is Ray, W3TDF. I think somebody should check him over for the magnets he must rub the horseshoes with. Bill, K3ANS, is the Chess Champ after facing some stiff competition.

There isn't much to say about the food except it was GOOD. For those members that haven't come to a club picnic, you really missed out on some excellent food. The salads were all good, hot dogs and hamburgers were cooked to perfection, fruit salads were the best, and plenty of desserts. Beer and birch beer were cold as were the canned soda.

I had a lot of people helping me. Ray, W3TDF, helped out as usual providing support. Paul, KA3MTY, who helped with the set-up of tables. Terry, N3HET, and his sons helped moving out tables. I can't forget the cooking crew, N3HET-Terry and N3JUC-Diane, N3NET-Bob and his wife, and the evening crew, K3CP-Van and KE3AW-Bob. I want to thank W3TDF, KE3AW, and KC3CR for providing the folding tables to put the food on. Thank you again everyone for your help in putting together another excellent picnic.

I hope whoever has charge of the picnic next year will have the same help and support I have had for the last 2 years. Thanks again to all. de John,N3IGA

**GREATEST RADIO LIES**
by Pete Kemp, KZ1Z

I'm from the FCC and I'm here to help you.
Me? I've never run excessive power.
My NTS messages always arrive within 24 hours.
I fixed it right the first time. It must have failed for other reasons.
Your RST is 5 by 9, please repeat my report.
We shipped the part yesterday.
All you have to do is follow the book.
No need to look that up, I've got it all memorized.
Sure I can tune it! It has transistors, doesn't it?
It's a quick job , we'll be home by lunch.
I thought YOU brought the connectors!
I NEVER work DX on a net!
My packet callsign really is PK232.
I have a 100% QSL rate.
Sure you can test high voltage, just grab the wire fast with one hand. Hola, Hooola, testing, one, two, three.
I am mobile and just changed call areas, DX de WXYZ / #
Tune it up and look for smoke.
Its just a little thunder!
It MUST be the repeater, my station is fine.
You sound distorted, what's a 5 up switch?

# HEY BOB!!!!

By Clarence, W3PYF

While working with the club data-base the other day, I did a little sorting and found out a very interesting fact.

If you call a member Bob on 70 you have an almost 10% chance of being correct.

There are 378 members of the club at this time and 37 of them have the name "**ROBERT**". While checking, you may like to know that in second place is "**JOHN**" with 21. In third place is "**WILLIAM**" with 16, followed by" **DAVID**" with 15, and "**AL**" with 12. The others "**DONALD**" "**JOSEPH**", "**EDWARD**" and "**CHARLES**" with 7.

**ON YOUR NEXT TRIP TO PHILADELPHIA**
by Clarence W3PYF

Take the family and visit the Franklin Institute.

There is a complete operating amateur station there with amateurs on duty on the hours the Institute is open.

Built and run by members of the Phil-Mont Amateur Radio Club, I am sure that you will enjoy this great exhibit.

If you have others in the family who are not interested in this exhibit, the Institute has many other things to see.

## FROM THOSE WHO WANT TO SERVE YOU

*In an effort to keep you informed of the background of those who wish to serve you as officers of DLARC, the board of directors has asked the members who are opposed to give your their feelings on their lives and their feelings about the club.*

### FOR VICE-PRESIDENT:

**Bob Puharic, WF3H**

I am a candidate for V.P. I have a M.B.A. candidate at Lehigh University, and a Master's degree in Chemical Physics from Lehigh. I am employed as a sales engineer at Air Products. Among my accomplishments I have coordinated the recent very successful DLARC Hamfest. I worked on this project over the last year with many club members. I also spent several weekends recently painting the DLARC node tower, and rephrasing and re-aligning the antennas. I have been invited to participate in the Gracedale disaster drill, and recently acted, with KA3ZGM as communications coordinator for a charity bike race between Allentown and Millersville. This involved 36 hours straight duty. I am a V.E. and have taught the DLARC novice classes as well. I stress service to the club, and Amateur Radio service to the community as the primary duties of the V.P. office.

### FOR VICE-PRESIDENT:

**Bob Green, KE3AW**

I have been interested in radio since my teenage years. After high school I spent 4 years in the Air Force and worked in airborne navigational radar and radio repair. I am now a supervisor of special education with a background in speech and hearing.

My interest in communication has been consistent through much of my life. For some reason, however, I didn't find amateur radio until about two years ago when I was introduced to DLARC, but it was at an opportune time. With both children grown up I had time to study and operate. I took the DLARC novice and upgrade classes and I have been active in club functions since then. I am a member of ARRL, an ARRL Volunteer Examiner, and a registered volunteer with the Courage Handi-Ham System.

What I would like to see developed in DLARC is the linking of members with similar interests, besides a direct elmer-type program. Our membership is fast approaching 400 members. There is a lot of talent and interest that can be shared among newly recruited as well as veteran club members. All members can become better hams and expand their areas of interest within the club using the resources of other club members. I would also like to see new and veteran members have an understanding of the by-laws and expectations of the club.

I am willing to learn and help wherever and whenever I can. I have seen this same interest in many other club members. I have had experience in a variety of organizations over the years. Two areas I am involved in now are Boy Scouts as a local troop committee member and with the Minsi Trails Council as the Chairman of the Learning for Life/Scouting for the Handicapped Program. Additionally I am in many professional organizations in which I have held various offices. I would like the opportunity to use my experiences and help DLARC as vice president.

### FOR BOARD OF DIRECTORS:

**Bill Goodman, K3ANS**

I am a candidate for reelection to the DLARC Board of Directors for my fourth term. I am an extra class ham, first licensed in 1957 when I first joined DLARC. I was a charter member of the corporation. In recent years I have been in charge of programs, on the field day committee in charge of 40 meters (where we set new Club record, over 1000 QSOs), participated in Red Cross Derriere on Delaware, active in RACES and ARES nets and drills, provided accounting advice to Club, and active in contesting and DXing. I won the DLARC award for top score in the PA QSO Party in 1987, 1988, 1989, 1990, and 1991. I was second in the whole contest statewide in 1991 with 224,000 points. I hold 5 Band DXCC, 80 m DXCC, 40 m DXCC, 10 m DXCC, and have worked over 300 countries on CW, SSB, and mixed (321) for DXCC. I have Worked All Zones,with 183/200 zones worked on all 5 bands. Plus I have many other radio sport awards. I enjoy CW, comfortable at 40 wpm. I am active helping others learn computer logging and contesting.

My station is very elaborate with 3 towers and uses several 80 ft trees. I have monoband yagis on 40, 20, 15, 10, and 3 wire yagi on 75/80 meters. On 160, 80/75, 40, and 30 I use dipoles and zepps. I also have a TA 33 tri-band yagi for 20,15,10 m. I have several amplifiers and transceivers, so you can see I am serious about operating and low bands. I also very active on 2 meters voice and packet. I host the DLARC Node (packet repeater) at my home. I am very dedicated to the DXPacket Cluster run by the Frankford Radio Club, being logged on to it all the time I am home.

I presented the SAREX program ARRL video and explanation to the Bethlehem Area Vo-Tech High School and the Shawnee Intermediate School, Easton last year. I bring this experience, drive, and passion for ham radio to DLARC, helping diversify the interests and knowledge of Club members. DLARC is an ARRL Full Service Club, not just a repeater club.

I am delighted how the new hams and members are encouraged to learn and advance to higher levels of participation, license class, knowledge, and skills. That is my greatest goal for DLARC and its members, to be full service hams. I am President of Chapter 17 of the Quarter Century Wireless Association, member of ARRL (becoming life Member) member of the Frankford Radio Club (DX contest club), and a Certified Public Accountant with 30 years experience. Elect me and I promise a ham in every shack.

### FOR DIRECTOR:

**Norman S. Daniel N3GXW.**

I am a candidate for reelection to the DLARC Board of Directors. I am 49 years old. My wife's name is Naomi, we have been married for 25 years, and have two daughters, one is grown and the other is still in school.

I am employed by Mack Trucks as a Material Handling Supervisor, presently in charge of all warehousing. I serviced in the U.S. Navy from 1960 to 1966. I have lived in Northampton County for most of my life.

I have been licensed since 1989, first as KA3UCS, Novice and upgraded to Technician in March 1989 as N3GXW, and I passed my General test in December 1990. I joined the DLARC when licensed in 1989. As a DLARC member. I have participated in many community service events such as bike races and DID. As well as helping at Field Day and the yearly DLARC picnic. I helped with the financial situation during the DLARC Hamfest when treasurer KA3MOU was not in town.

I am a volunteer fireman with the East Allen Township Fire Department since 1979. During the past 13 years with the fire department I served as Secretary for 2 years. Treasurer for 2 years and as President for 6 years.

Having held the various positions in the East Allen Fire Department. I believe I will be a good choice as a board member of the Delaware-Lehigh Amateur Radio Club.

## MORE CANDIDATES

### FOR DIRECTOR:
### Bob Kratz, KU3K

I have always considered myself very lucky! I lead a very normal but busy life! It's strange, but finding the time to do things (like serve on the Board of Directors of a radio club) is actually easier when your very busy!! It's my opinion that merely "belonging" to an organization or club is fine, but becomes stale after a while. I really enjoy this wonderful hobby much more by jumping in with both feet...becoming more than a "joiner." The DLARC has become a large and powerful amateur radio club and I am quite proud to have been a part of it's executive committee. I'm looking forward to continue my service.

A few years ago, I became president of the DLARC, and found first hand that this is a club worth working for

I have headed the Field Day operations for DLARC for many years, and have had a great participation for many years.

I almost forgot, I am married to **Janice Pope, KA3NJR.** She ordered me to say that. (notice bold type).

Besides all the stuff above, I am actor and member of the board of the Civic Theater of Allentown, a member of the American Society of Magicians, and Allentown Music Association.

### FOR DIRECTOR:
**Chris Hornaman, NU3L**

I am a candidate for board of directors of the DLARC. If elected, my experience in amateur radio as well as in my professional career will benefit the functioning of the club. I have been a ham since 1974 and an active member of the DLARC since coming to the Lehigh Valley 5 years ago. I have contributed to the educational program, both as an instructor and administratively. I intend to continue with this activity and further expand the educational aspects of our hobby as evidenced by the recent computer classes. My operating interests lean primarily toward DXing and contesting. I would consider it a privilege to serve on the governing committee of the DLARC.

### FOR DIRECTOR:
### Clarence Snyder, W3PYF

I am a candidate for reelection to the Board of Directors of the Delaware Lehigh Amateur Radio Club. My past in amateur radio has been varied. I received my license shortly after World War II. I have been active in the DLARC even before my receiving my license in 1947, as a charter member.

During World War II, before receiving my amateur radio license, I was active in the War Emergency Radio Service, from the basement of the Northampton County Court House. This was a service on 2 1/2 meters which only required a restricted Radio Telephone License.

I have been Radio Officer for Northampton County for 45 years, except for 4 years when my photographic assignments for Bethlehem Steel, kept me on the road.

I was the originator of the Pennsylvania Phone net in the 50's after operating on the Trans Continental phone net for many years. I have been very active in Low Band Mobile since my first low band mobile TBS50 and an 807 in the final and a dynamoter in the trunk.

I am married to my wife Sylvia for 51 years, have three children all grown. I have a son Mel, W2FLO and a son-in-law, Bob who is WB2YNF.

Earlier this year, I was honored by the American Radio Relay League, Atlantic Division as the Grand Ole Ham of the Year, for my service to Amateur radio.

As editor for the past 4 years of the OK Corral, I have strived to bring all the "News that's fit to Print", and as president of the club for 4 terms, I have seen the club grow from 30-40 members to the present 378. Under my presidency, the club received the Special Service Award from the American Radio Relay League.

### FOR DIRECTOR:
**Ed Gigliotti, W3APE**

I am a candidate for the Board of Directors of DLARC. I have been an amateur radio operator since 1954, upgrading to general within 3 months, and later to Amateur extra class. I joined DLARC in 1954 and I operate all modes of ham radio.

I am a graduate of Radio TV Institute of Philadelphia, class of 1948. My experience has been in the radio TV sales service business for 40 years, the last 16 year I incorporated my own Radio Shack Franchise with our business, retiring in 1988.

I have been with the VE testing program since it's inception in 1984, not having enough VE's at that time, for 4 years, I participated as a VE every month.

In 1954 I became a member and supporter of ARRL and in addition to DLARC I hold membership in Penn Jersey Amateur Club, SPARK, Slate-Belt Pocono Amateur Radio Club and I hold the treasurer's position in the Gunderson-Penn-Jersey QCWA Chapter #33.

My wife, Lois, N3LIY and I, recently celebrated our 42nd wedding anniversary. We have two grown children.

I believe I would be a good boar member because of my experience in running a very successful electronic business for 40 consecutive years, by using good common sense and sound judgement.

My ambition for our DLARC is to "GET INVOLVED", to protect Ham Radio, to recruit new licensees and members in a friendly atmosphere.

### FOR DIRECTOR:
**Wayne L. Kline, KY3N**

I am 44 years old and have been licensed since 1976, upgraded to general in summer of 1977 and upgraded to advanced in the summer of 1978.

I work for Mack Trucks in the Macungie assembly division and my interest in Amateur radio are DX contesting, DXing, Antenna Building and fabricating devices for around the shack.

I would be grateful for the opportunity to assist in the official/administration side of the Delaware Lehigh Amateur Radio Club, the challanges of the future in Amateur Radio, and the ever changing composition of our growing club.

### FOR DIRECTOR:
**Bob Gifford, KA3TER**

As a candidate for election to the Board of Directors, I should mention that radio and electronics have been one of my interests for the past 30 years.

I have been interested in amateur radio since childhood but not active in amateur radio until being licensed in 1988. I was fortunate to have electronics in my high school before continuing to Electronics Training Center in 1968. My interests followed a dual path of Mechanics and Electronics in my courses at several colleges.

I was employed at Air Products for 10 years as chief project technician involved in mechanical design specifications and recommendations. Currently, I am employed by AT&T Technologies as senior technical support analyst since 1983. The area of my responsibility is in the Ion Implant area of the integrated circuit line. Essential responsibilities are equipment diagnostics and assisting the maintenance organization in maximizing equipment up time.

(continued on page 9)

## * WHY WE ARE CALLED HAMS *

by Gord, VE7TGR

Have you ever wondered why we radio amateurs are called HAMS ???? well it goes something like this-- the word ham was applied in 1908 and was the call letters of one of the first amateur wireless stations operated by some of the members of the Harvard Radio Club. they were Albert Hymen, Bob Almy and Peggie Murray.

At first they called there station Hyman-Almy-Murray. Tapping out such a long name in code soon called for a revision, and they changed it to Hy-Al-Mu, using the first two letters of each name. early 1909 some confusion resulted between signals from HYALMU and a mexican ship named Myalmo, so they decided to uses only the first letter of each name and identified there station as HAM. In the early pioneer and unregulated days of radio, amateur operators picked there own frequencies and call letters.

Then, as now, some amateurs had better signals than some commercial stations. the resulting interference finally came to the attention of congressional committees in washington and they gave much thought to propose legislation designed to critically limit amateur activity. in 1911, Albert Hyman chose the controversial Wireless Regulations Bill as the topic of his thesis at Harvard. His instructor insisted that a copy be sent to Senator David Walsh, a member of the committee hearing the Bill. The Senator was so impressed that he sent for Mr Hyman to appear before the committee. Hyman was put on the stand and described how the little amateur station, HAM, was built, and he almost cried when he told the crowded committee room that if the bill went through, they would have to close up the station because they could not afford the license fees and other requirements which were set up in the bill. The debate started and the little station HAM became a symbol of all the little amateur stations in the country that were crying out to be saved from the menace and greed of the big commercial stations who did not want them around. Finally the Bill got to the floor of the congress and every speaker talked about the poor little station, HAM

That's how it all got started. you can find the whole story in the Congressional Record. Nationwide publicity identified the station HAM with amateurs. de Gord,VE7TGR

## FOR DIRECTOR: (continued from page8)

**Bob Gifford, KA3TER**

My recent technical achievement in design has been to design and implement a computer keyboard for a stroke victim with limited mobility-his left index finger, only! Vic not only learned to use the specially designed keyboard adaption but can now finally communicate with the outside World. Vic can be reached on Prodigy (ID # VVKR33A) when he is not trading stocks online or checking sports statistics, give him a call.

My wife Karen and my daughter Lauren are supportive of my amateur radio interests. Lauren spoke to VK dx at 3 years old and many of you have probably heard her talking on the 70 repeater with me as control operator.

I have assisted the DLARC W3TDF administration in the perspective ham and/or member mailings for one year. Also, I have been trained by the club as weather spotter during tornado warnings and am on the air during these storms.

I believe my background and abilities will enhance the already fantastic DLARC group of ham operators. We are all fortunate to have this large club as it gives all of us the opportunity to easily find answers and success in any of the many facets of amateur radio.

## ARE YOU AN ACTIVE MEMBER?

Are you an active member
The kind that would be missed
Or are you just contented, wih
Your name upon the list?

Do you attend the meetings, and
Mingle with the crowd
Or do you just stay home
And gripe both long and loud?

Do you act a part, to
Help the club along,
Or are you satisfied as
One who who just belongs?

Do you go to visit
A member who is sick
Or leave that to a few, then
Talk about the clique?

There is a program schedule
That means sucess if done,
And it can be accomplished
With help from everyone.

So start attending meetings
And help with hand and heart,
Don't just be a member;
Take an active part!

*de AF6S es ARNS Bulletin*

# THE PREZ SEZ

**KB3WHAT?**
by Robin, WA3T
President, DLARC

From time to time, we hear people using '70 who are probably unlicensed. They give themselves away by their operating techniques and their choice of callsigns. The question is, how to deal with them?

First a fact... It's illegal for us to talk over the air with stations known to be unlicensed.

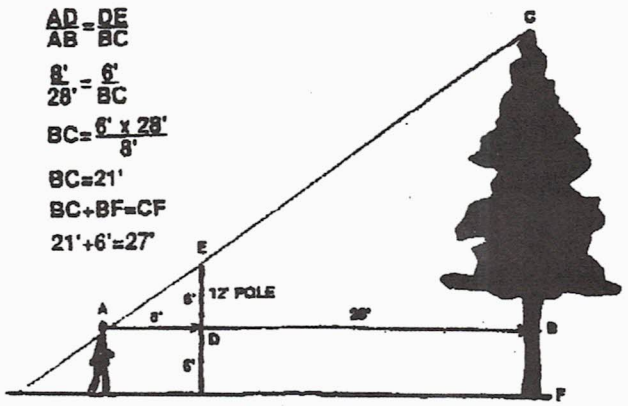
Now some opinions... Chances are, if these operators knew how to get a license, and realized it wasn't that hard, they'd do it, and join in with the mainstream of ham radio, instead of just looking in from the outside. Secondly, If we antagonize them, they will become enemies instead of just trespassers.

So... Let's not engage them in conversation, beyond that necessary to establish whether they are licensed or not. Either directly or indirectly, let's tell them about VE sessions and Novice/Tech classes. Above all, let's not "run them off the repeater" with abuse, or the cure will be worse than the disease. A polite "I wonder why I can't find you in the FCC data base" is perhaps the best way I've heard to end a conversation with one of these operators. (Thanks to Barry, KU3X!)

A related topic is the use of the autopatch; if an unidentified station uses the autopatch, any club member should feel free to knock down the call. At the same time, let's not be trigger-happy: there have been quite a few instances of club members being knocked down after they have identified quite clearly. This may have happened because the listener had his audio gain turned way down, or because the callsign was lost in the battery-save delay on his HT. As users of the autopatch, we should remember these possibilities, and therefore, after holding the mike button for a second or so to open the squelch on HTs with battery-save, identify very clearly. It may be hard to remember to do this, in the stress of coming across an accident, but it's quicker to delay that second or so and identify clearly, than waste time with repeated tries, apologies from the knocker-downer, etc.

73 de Robin, WA3T

# DON'T CLIMB, COMPUTE




When it's inconvenient or even impossible to actually measure the height of a tall object such as a tree, tower or building, you can still compute its height, provided you can accurately measure the distant between the object and yourself.

This method of computing an objects height relies on a geometric principal stating that the sides of "similar" right triangles with the same angles - different size right triangles with the same angles - are proportionate. AS the sketch shows, the top of the pole must fall in the line of sight between your eye and the top of the tree, but you do not need any specific pole height or distance. While standing ,sight toward the top of the tree. Measure the length of a pole and have an assistant walk the pole between you and the tree until the top comes in line with your sighting. Now measure the distance from your eye to the ground, from where you stand to the pole and to the base of the tree. Make a sketch and label the parts as shown in the drawing. Then calculate tree height according to the formula in the drawing.

***thanks to Harlan, N3IUW for the above story***

**VISIT THE FRANKLIN INSTITUTE IN PHILADELPHIA, SEE A FIRST CLASS AMATEUR STATION, SPONSORED BY THE PHILMONT MOBILE RADIO CLUB.**

JUST THE MINUTES
by Dave, N3EYT, Secretary

The September 3 meeting of the DLARC was called to order at 7:30pm by Robin, WA3T. Eighty friends and members attended the meeting held in the Lab Theater on the NCACC campus.

The minutes of the August meeting were approved as printed in the W3OK Corral. N3GXW, Norm presented the treasurer's report and stated a balance in the club's savings account as of July 31 to be $6219.87.

The DLARC would like to welcome the following new members: Deborah Porter - N3NCZ and Benjamin Porter - N3NDA both accepted as associate members with dues waived for the remainder of the year; Harold McGee, N3LVA; Walter Snyder, call pending; Carl Roberts, K3ZDI; Greg Wetzel, W3IDZ; Mark Hilliard, N3NBL; and Ken Christenson, WB4AIR.

Club members continue to support the community with communications expertise. Once again, the Century Ride on September 20th has requested our help. This year the Habitat for Humanity Bike-A- Thon has requested 12 people to help for their September 27th ride.

The nomination committee comprised of Bill- NC3P, Carl- K3GRK, Van- K3CP and Norman- K3NZ submitted the following slate for club officers:

| | |
|---|---|
| President | Robin Moseley - W3AT |
| Vice President | Robert Greene - KE3AW |
| | Robert Puharic - W3FH |
| Treasurer | Richard Dech - KA3MOU |
| Secretary | John Holmes - N3IGA |
| Board of Directors | Norman Daniel - N3GXW |
| | Robert Gifford - KA3TER |
| | William Goodman - K3ANS |
| | Chris Hornaman - NU3L |
| | Wayne Kline - KY3N |
| | Robert Kratz - KU3K |
| | Clarence Snyder - W3PYF |

Nominations from the floor were opened and saw the nomination of Ed Gigliotti - W3APE for the Board of Directors by Harlan French -N3IUW. With no further nominations from the floor, all nominations were closed.

The autopatch was used for 12 calls to Northampton County Control during the month of August. This reflects the club's ongoing service to the community and demonstrates the valuable resource of Amateur Radio. There has been some unauthorized use of the autopatch. If you are familiar with patch operation and monitor the repeater frequencey, you can 'hang-up' the patch when a callsign is not given or only partially understood. Make sure you are really listening to the repeater frequency before any action is taken and always identify yourself and offer assistance. Perhaps someone is having difficulty making a patch.

The program for October will feature AA2AV, talking about working all counties, over 3000 of them in the USA. December's program is a trip to FP land with WB2R and NU3Y.

A motion was made by Ron- K3LPR second by Van- K3CP to donate $200 to the Red Cross for hurricane victims. After discussion Ray - W3TDF called the question and a voice vote carried the motion.

The August 16 Hamfest was a success in spite of the rain, acccording to Hamfest chair, Bob, WF3H. Approximately 600 people came to the event along with 100 vendors.

An introduction to MC-DOS computing was presented by Joel, K9TBD. This was the kick-off to a three week computer series on Thursday nights to be held at the Greystone building. The class will meet at 7:30 P.M. Novice classes begin September 14th at the Greystone building. Call the club bulletin board at 820-9110 for details.

de Dave, N3EYT

**DLARC MEETING**
**October 1st**
**NCCC**
**COLLEGE CENTER**
**ROOM 220**

*Note: A different room this time. Go up the stairs to Northampton Hall. Go through the glass doors, the lounge is on the right. Proceed to Room 220*

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

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

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

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1991

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Vice President - Ann Keiser..KO3M 717.386-2797
Secretary - David Blankenship.N3EYT 215 974-8749
Treasurer - Richard Dech.....KA3MOU 215 837-1585

**********

**BOARD OF DIRECTORS**

Bill Goodman.....K3ANS..258-5063
Robert Kratz.....KU3K...866-5879
Clarence Snyder.....W3PYF..252-2109
John Holmes.....N3IGA..837-7487
Norm Daniels.....N3GXW..262-8415
Ray Bilger.....W3TDF..346-7313

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

**TALK IN ON 146.70**

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

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