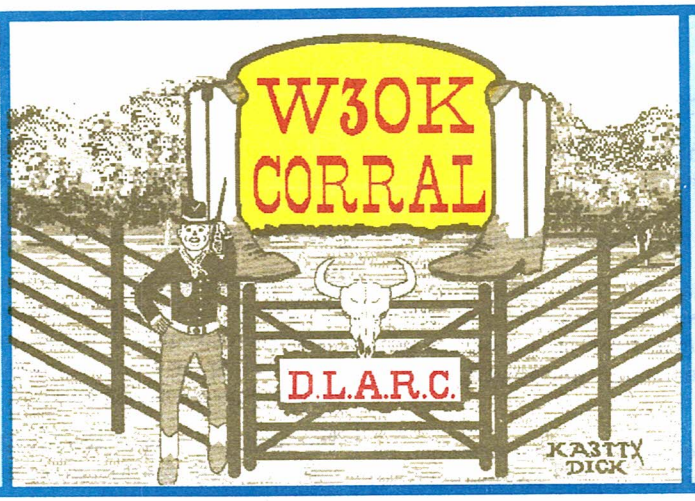
DELAWARE - LEHIGH AMATEUR RADIO CLUB, INC. W3OK

December 1994



SPECIAL SERVICE CLUB ARRL

ARRL Affiliated Club

The Red Cross and how we can help

RACES - ARES and where we are

by Clarence, W3PYF

Meeting on December 1st in Kiva Hall at the Northampton County College, **Robert Pfenning,** Communications Director and **Nena Johnson**, Disaster Chair will tell us how we can help in case of an emergency.

1) They will explain how Red Cross is organized,

2) What Red Cross has at present in current communications

3) What Red Cross does in time of disaster.

4) The roll of **ARES-RACES** , in case of an emergency.

The meeting will start as usual at 7:30 and if talk in is needed, use 146.70.

W3OK Christmas City

Special Event Station

December 17 - 18, 1994

by Bob, KE3AW, president DLARC



Take a break from Christmas shopping! Mark two dates on your calendar; **Saturday, December 17,** and **Sunday, December 18.** On those two days, 9 am to 9 pm local time both days, all DLARC members who want to celebrate Christmas by operating our traditional Christmas City Special Event Station W3OK at Gracedale may do so. We operate "from the twin Christmas Cities of Bethlehem and Nazareth." Hundreds of operators, US and DX, look forward to contacts with our Special Event station each year.

QST, CQ, 73, World Radio, Nuts & Volts, and Radio Fun have been notified of this season's special event station. We are looking for a busy, interesting, fun time, often on the receiving side of a pile-up.

Operate for an hour or longer at our DLARC station, W3OK in Gracedale. Time flies when you are on the receiving end of pile-ups! Stations that work at our W3OK Special Event and send a SASE will receive a Special Event Certificate. Club members who participate by working at the W3OK club station also will receive a special Certificate of Participation.

If you want to operate the station in this special event, sign up at the December DLARC meeting or contact WF3H or KA1RAH. We'll be happy to put you on the schedule. This helps us organize a continuous roster of operators for the hours of operation.

You may wish to work single op or with other operators. Operation is under a control operator with at least General Class privileges, so Novices and Techs may legally operate! If you have any questions, or if you aren't sure what this special event station is all about, give a call. Let's talk. Or stop by the station during that weekend. We enjoy the many visitors that stop by, even if they don't wish to operate. Spread DLARC holiday spirit. Operate the W3OK Christmas City Station!

de Bob, KE3AW

Just the minutes

by Chuck, KD3SQ, acting secretary

Bob, KE3AW, opened the November 3, 1994 meeting of the DLARC at KIVA Hall of Northampton Community College at 7:35 PM. Bob announced that, as an experiment, the Program would be presented prior to the business meeting.

PROGRAM - Van, K3CP, presented a very interesting history of the development of transistor manufacturing at the Western Electric plant in Allentown, from one-at-a-time germanium transistors in 1947 to the current mass production of integrated circuits.

MINUTES - By motion of Clarence, W3PYF, and seconded by Amy, KD3TI, the members present accepted the minutes of the October meeting as printed in the last newsletter without addition or correction.

TREASURER'S REPORT - Dick, KA3MOU, reported receipts and disbursements for the month of October, leaving an ending balance on October 31, 1994 of $5182.86. Dick also reported that the final profit figure for the DLARC Hamfest held in August was $2761.76.

A comparison of this to previous years was given as follows:

1992	$1670.23
1993	$3654.85
1994	$2761.76

Higher expenses related to table rental from CIT and lower attendance due to threatening weather were offered as the reasons for lower profit in 1994. On a motion by Bruce, KA3TIU, seconded by Vic, N3IQD, the members present approved the Treasurer's Report.

CORRESPONDENCE - We received three notes: an appreciation card from the family of Bill Newman for the memorial donation from the DLARC in Bill's honor; a thank-you card from Rich, N3NXF, for the DLARC's donation to the American Cancer Society in memory of his late mother, and an acknowledgment from the Cancer Society for our donation.

NEW MEMBERS - Applications were received for membership to the DLARC from the following:

Edward Pitosky	**N3AHE**
Matt Hontz	**N3TFH**
Jack Smith	**W2ZQK**
Jim Foust	**N3TMB**

On a motion by Amy, KD3TI, seconded by Tom, N3LLL, the members present accepted the above into the club and welcomed them with a round of applause. In addition, two guests were introduced: Brian, N3PUV, and Gabriel, KC2A, who were warmly welcomed.

RECENT ACTIVITIES - Ray, W3TDF, announced that our Club aggregate score from the PA QSO Party appears to be on the order of 2.3 million points, the second highest in history (we also hold the record). When asked about our chances at retaining the trophy, Ray said, "I feel wonderful about it!"

Bob, KU3K, reported that our Field Day score was recently published in QST Magazine. The DLARC was ranked 11th in the 3A category, and Bob said he was very pleased with not only the results but also the widespread participation by many club members. In other activities, club members participated in the MS-25 Bike-a-thon, led by Bob, WF3H, and in the Emmaus Halloween Parade under the able guidance of Carl, KA3TEQ. The DLARC reportedly received excellent publicity from Service Electric for our efforts at the Parade.

UPCOMING EVENTS - Robin, WA3T, reminded all of the regularly scheduled VE testing session at Gracedale on November 4 at 6:45 PM and to be sure to bring license copies as the copier there no longer functions.

The Christmas City Special Events station will operate on December 17 & 18 at the club station at Gracedale. A sign-up sheet was circulated and will also be circulated at the December meeting, or please contact Brad, KA1RAH, or Bob, WF3H, to schedule operating time.

The next meeting of the DLARC will be held on December 1, 1994 and will feature a presentation by members of the Red Cross on their special communications needs.

TECHNICAL COMMITTEE - Tom, N3LLL, reported that the new 440 repeater is currently being tested at K3LPR and expects it to be operational by next month, and the linkage package will be tied in within a few months. Plans call for the addition of a new bank of Autopatch numbers that will be unique to 440 use.

Clarence, W3PYF, commented that the apparent lack of use of the DLARC owned and operated W3PYF 145.11 repeater may cause it to be taken off the air. Discussion ensued regarding coverage and interference issues.

PUBLICITY - Bob, KE3AW, announced that Clarence, W3PYF, has agreed to chair the publicity committee, with John, N2MWQ, as his assistant.

DISCUSSION - Since our current dues rate has been, over the last 20 years, $12 per year per member, and since operating expenses are now at a level of $15 per year per member, and since increases in operating costs such as postage are expected to increase, the Executive Committee has recommended that the Dues be increased to $17 per year beginning in **1996**. Family and Associate membership would remain the same. The proposed amount was compared with other area clubs and found to be comparable. The proposal was based on the concept that operating costs should be covered by dues, with income from special events (hamfest, raffle, etc.) to be spent on "capital" purchases of equipment. Further discussion on this issue at the next meeting was promised.

The next discussion focused on whether the membership wished to continue to have an annual Hamfest, or to revert to some other form of fundraising such as a raffle. It was pointed out that the last raffle, held four years ago, raised approximately $1500, Concerns were expressed about participation, and the need for a new Hamfest chairman or possibly co-chairmen. Other benefits of a Hamfest were raised. A straw poll was taken to measure preference; 64 voted for the Hamfest, 11 for a Raffle, 7 for both, and 2 for a Dues increase only. A survey of the entire membership was suggested, but a reminder was given that a vote can only be in accordance with the club By-Laws, i.e. only at a meeting. Further discussion was tabled.

At the meeting conclusion it was decided by the members present to continue the new format of Program first, Business Meeting second in future monthly meetings. On motion by Van, K3CP, seconded by Harlan, ,N3IUW, the meeting was adjourned at 9:30 PM.

de Chuck, KD3SQ

The Prez Sez

de Bob, KE3AW

Mark August 13 as the date for the 1995 hamfest. Plans for our '95 Hamfest were confirmed by a vote at the November Delaware-Lehigh Amateur Radio Club meeting. We get a lot of great public relations from the amateur radio community and from our local community with our hamfest. It's conveniently located, in our own backyard, so to speak. It gives us a chance to stock up on parts, search out a treasure, socialize, take a VE test. And it helps fund the club.



What is still on the table for a vote in the near future by the members is the issue of a dues increase. The decision will be reached by a vote at a general meeting of the DLARC, as directed by our club by-laws. A committee recommendation for a dues increase was offered at the November DLARC meeting. A good discussion about it followed. The issue was tabled for further discussion before a vote.

We expect the vote on dues increase to be at the January, 1995 meeting. The Committee recommends a dues increase effective January, 1996.

Why the concern? The fact that our dues have not increased over the last 20 or more years is not our reason for proposing an increase, but can you point to another cost that has not increased in 20 years? What we have in the club are many valuable services and activities for members, and their costs are increasing. The costs for them currently exceed the income from current dues. It is not good business practice to continue to out spend the income.

But what about the fund raiser... the hamfest? While we have been successful so far, we do take a chance, especially on the weather on hamfest day. The income from a hamfest can vary greatly. This type of income is often called "soft money," since you can't be sure it will be there when you need it. With a club our size, now nearly 460 members, we need income from dues, income that will be there to pay for the expected expenditures. There are times in the year when our treasury takes a deep dive because of "seasonal expenses." We need to have a good financial cushion to fund, throughout the year, things like the national award winning newsletter and postage (increasing in 1995), field day, the picnic, the advanced costs for the hamfest, the numerous community services projects, etc.

Additional funds from the fund raiser will be used to expand, repair, or replace repeater equipment, HF and VHF station equipment, field day equipment, etc. They depend on the success of the hamfest, and are not dependent on the dues. As we grow in number of members, we need to grow and will be able to grow in services to our members. The Committee feels strongly on this position for the good of DLARC.

Your questions and comments about this (or any other issue) to any of the DLARC officers or Committee Members are always welcomed. We want all members to fully understand what the issues are when the dues increase issue comes to a vote at the DLARC meeting, most likely in January, 1995.

It's been a great year for DLARC in 1994. Thanks for all your interest and support in the club activities, and stay radio-active in 1995!

de Bob, KE3AW president

On the lighter side

"Keyboard Prayer"

Our Program who art in Memory, Hello
be Thy Name. Thy Operating System come.
Thy Commands be done, at the Printer as
it is on the Screen. Give us this day our
daily Data, and forgive us our
I/O Errors, as we forgive those whose
Logic Circuits are faulty. Lead us not
into frustration, and deliver us from
Power Surges. For Thine is the Algorithm,
the Application, and the Solution, looping
forever and ever.

Return

supplied by Dick, KA3MOU author unknown

Christmas Shopping?

For those of you that are stuck on what to get your friends for Christmas, here is a little helpfull list for you.

1. A pair of running shoes which come with an extra "left" shoe; for cyclists who drag the left foot to stop. (no brakes)

2. A skateboard with 18 wheels for someone who should loose 100 pounds.

3. Flesh-coloured sillyputty for those who want to cover up the extra holes from pierced earings when they visit mom.

4. Half-windshield cover, in case you must ride with a driver who scares you.

5. A decorative box of headless matches for someone who has just quit smoking.

6. For the pet owner, a doggie-hard-hat for dogs who chase parked cars.

7. For the ski person on your list, a fur cap made from bunny fur from the Energizer Bunny; The cap will keep going-and -going.

de Jeff VE7JLB

Classified Ads-

A notice in the window of a Luisiana department store read...Shoes are required to shop in this store...Underneath someone had added...Any shoe found shopping elsewhere is subject to a severe tongue lashing.

On March 1, Village Dry Cleaners will relocate at 14 W Flagler St. next to St. Peter's Church. So remember, after March 1, cleanliness is next to godliness.

Baby stroller for sale...Good condition...Zero to four m.p.h. in just four seconds. Still corners grocery-store aisles on a dime.

Learning isn't a means to an end..it is an end in itself.

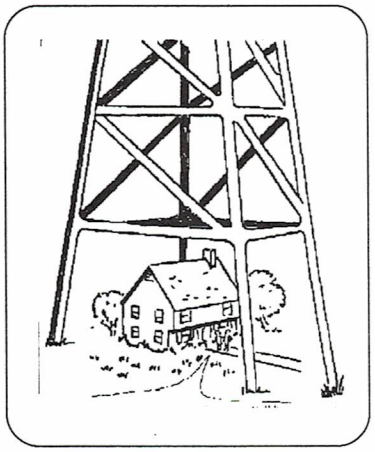
If the human body recognized agony and frustration, people would never run marathons, have babies or play baseball.

Take your work seriously but yourself lightly.

It is not the man who has too little who is poor, but the one who craves more. -

All things are possible until they are proved impossible...and even the impossible may only be so, as of now.

73 de Jose, KB4YPH



"The YF said I could put up a tower if I kept everything off the roof!"

from ARNS August 1994, who credits the November 1993 Stateline RC of New York and the New Jersey newsletter--Howard Bratt, WA2PPL, editor.

Omen's Law

Ken Johns, W6NKE

Next month we will, again, celebrate the birthday of the famous scientist, Professor Eswald Omen. It was Professor Omen who developed Omen's laws as applied to electronis, His law is a follows:



1) Upon completion of an electronic assembly project, apply power.

2) If there is no smoke or flames, that is a good Omen.

3) If smoke or flames appear, that is a bad Omen

reprinted from The Modulator, the publication of the Baltimore Amateur Radio Club, Bruce Packham, W3UWV, editor who credits World Radio .

Queen Mary celebrates 60th

from Amateur Radio Newsline

September 26, marked the 60th anniversary of a major ham radio attraction. That of the christening and launch of the Queen Mary, the world's largest ocean liner.

On a rainy Wednesday, Sept. 26, 1934, a reported 250,000 people gathered in the presence of Their Majesties King George V and Queen Mary at the yard of John Brown & Co. Ltd. on the banks of the Clyde River in Clydebank District, Scotland, for the launch of the world's largest ocean liner. Her Majesty Queen Mary performed the naming ceremony, and the Royal Mail Ship Queen Mary became the first merchant vessel to bear the name of a reigning queen. Today, the ship is a tourist attraction anchored in Long Beach, California.

Its also the home of Amateur Radio station W6RO .

Wanted

Cantenna Dummy Loads.. Norm, K3NZ needs two of them. If you have any call Norm on phone at 610 799-4044 or on 146.70.

IMA LIDD

Metric measurements.

by Van K3CP



Ima Lidd and Elmer are having a discussion on the two measurement systems in use in the industrial countries. The two systems are the English and the Metric. Ima wants to know about the metric system and its advantages and disadvantages.

Elmer explained some of the features of the Systeme International (SI) more commonly called the Metric System.

The basic unit of length is the meter. The early length of the meter was ten millionth of the distance from Paris to the North Pole. A later standard defined a meter as 1,650,763.73 wavelengths of the orange-red line of the spectrum of Krypton 86.

The only disadvantage of the metric system is the reluctance of the USA to accept it. To understand the metric system it is necessary to have a little knowledge of the powers ten. Don't get excited about this. It is very easy to understand. It will onlytake a few minutes to learn. The powers of ten simply stated is the number ten raised to various exponents. 10 squared (10^2) is 100 and is said to be 10 raised to the second power. In this example, 2 is the exponent and it merely means that the number is multiplied by itself 2 times. 10 times 10 equals 100. 10 raised to the third power is written as 10^3 and is 10 times itself three times. 10x10x10 equals 1000. Hence, 10 raised to the second power is 100 while 10 raised to the third power is 1000. 10 to the fourth power is 10,000, etc.

Please bear with me and read on. A number can be raised to the zero power (10^0) and it equals one. In fact any number to the zero power is one. Try it on your calculator. Now, it gets easier and more fun. Let's make a little table:

Exp	prefix	Number
10^0	----	= 1.0
10^1	deka	= 10
10^2	hecto	= 100
10^3	kilo	= 1,000
10^6	mega	= 1,000,000
10^9	giga	= 1,000,000,000
10^12	tera	= 1,000,000,000,000

Notice the pattern. Our starting point is the number one. (1.0). The exponent is the number of places the decimal is moved to the right! I skipped some exponents for simplicity and because they are not as important to hams as the ones above. Count the number of zeros for a kilo or a giga something or other and compare to the exponent.

Now, for a few practical uses. A kilohertz is 1000 hertz. Using powers of ten, it can be written as 10 raised to the third power or 10^3 Hz. A megahertz can be written as 10^6 Hz. A gigahertz can be written as 10^9 Hz. Remember, the exponent specifies the number of zeros after the one. You can use powers of ten to do mathematics. To multiply, you simply add the exponents. 1 Khz. times 1 Mhz. equals 1 gigahertz or using powers of ten, 10^3 Hz. times 10^6 Hz. equals 10^9 Hz. or 1 gigahertz. To divide you subtract the exponents. Try it with other numbers.

The exponents can also be negative. The negative exponent denotes the number of places the decimal is moved to the left. The above table now becomes:

Exp	prefix	Number
10^0	----	= 1.0
10^-1	deci	= 0.1
10^-2	centi	= 0.01
10^-3	milli	= 0.001
10^-6	micro	= 0.000001
10^-9	nano	= 0.000000001
10^-12	pico	= 0.000000000001

Here the pattern changes. The exponent now indicates the number of places the decimal point moves to the left of the one.Let's look at some examples for negative exponents. A picofarad is written as 10^-12. A millimeter equals .001 meters or 10^-3.

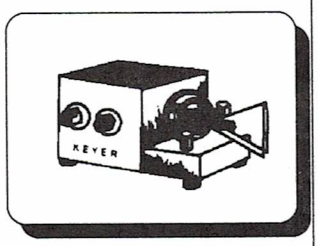
Now for some more practical examples. Suppose you're using a 3/8 wrench to tighten a nut and it is a little too small. So you get one that is 7/16 and that one is too big. Finally you select a 13/32 wrench and it fits. However, if we were using the metric system and a 10 millimeter wrench was a little too small you would select an 11 millimeter one. Notice you have completely eliminated the need for fractional sizes.

It's hard for me to believe that we are out of step with the rest of the industrial nations for such a long time. With the expanding global economy it would be much better for the USA to adopt the metric system so that products made in the United States are more attractive to the many foreign countries who use the metric system.

de Van, K3CP

SO LID CPY
and Other CW Games

by Dan Johnson KC4EWT



You can plan games on CW-- if you like linguistics. Some of the games also work on packet or RTTY, But proceed with any of the following at the risk of your reputation.

Fastback: To play, find someone on a bug or straight key, and answer oak transmission with a single statement or question that requires a length response --- TELL ME ABOUT UR LIFE BK,for instance: You win if the QSO lasts more than one hour during which you send for a total of less than five minutes.

SO LID CPY: Answer each transmission with comments unrelated to what you just received. You win if the QSO has more exchanges than the last time you played.

SQZ: Squeeze maximum information into the minimum number of characters using abbreviations. SQZ is a gas when; the other guy doesn't know you're playing a game. FL, FRE TO MK NW ABBRS JST VWLS NVR PNCT. Sometimes SQZ degenerates to SO LID CPY, allowing you to "kill two Birds (wattmeters) with one tone."

Scream: Using a straight key, establish a QSO, then shorten your dahs, stretch your dits, and use weird spacing. (Good Scream transmissions sound much like a stream of E's.) You can get a similar effect with a full-featured keyer by seriously maladjusting the weighting. You win if the other guy's next over contains "QRN," "QRM" "73," or "SK"."

Hydra: To play, maintain several threads of conversation at once. One op comments on three or four topics. The other replies by commenting on each. Then the first answers all those and adds another topic. Start by sending a brief but unrelated comment in our first reply. The other guy usually will play the game-- unwittingly. YOU win if the last exchange in the QSO contains all the original topics.

Sucker: Find someone copying CW with a computer (undoubtedly sends with the computer too -- perfect fist, no abbreviations, full punctuation answers fill requests with exact repeat of previously sent info. Vary your code speed wildly while you send, vary weighting and run some letters together. You always win Sucker if the other guy really is using a computer. (Play this one all the time,)

Actually, SQZ and Hydra are good exercises and tend to produce interesting QSO's. SQZ is difficult, as it involves a special dialect (not dielectric}. U CN CO LTS WO QRQ THO HDCPY RUF HI. In written English, Hydra's interleaved threads of thought would be poor style, but in CW it spells efficiency.

For variation, or if you're not quick on the dow, skip topics and reintroduce them in later overs. Once you get used to it, a Hydra-style QSO can be relaxing It's particularly nice when you head-copy.

from the October 92 Ole Virginia Hams RC, "Ole Virginia Times' - Bonnie, N4QBB Editor, and the December 93 ARNS Bulletin.

You're an old timer when

by Hal Godfrey, N6AN

* You feel like you were up all night working DX when you weren't.
* You get winded changing bands
* You finally reach the top of the DX ladder, and find it leaning against the wrong wall.
* You can't get the rocking chair at your operating position going.
* You know all the answeres on DXing, but nobody asks you the questions.
* You walk with your head high trying to get used to your trifocals.
* You get your exercise acting as pallbearer for your friends.
* The first thing you turn to in QST is the Silent Keys.
* Your favorite parts of QST are 50 Years Ago and 25 Years Ago
* The little gray-hairred lady you help across the street is your wife.
* Dialing long distance wears you out.

I can attest to the above, I'm 83.

from ARNS August 94 and the June '94 Northern California "DXer" Garry Shapiro, NI6T, editor.

New media systems

What's on the Telephone Tonight?

By Joe Chuk, W3JD



A number of commentators have speculated on a not-too- distant future time when television viewers will have a choice of 500 channels of programming. In fact, the direct broadcast satellite systems that went into service this summer, DirecTV and USSB, already have the capability to provide 150 channels (although they haven't reached that level yet). Two questions that always come up in discussions of the 500-channel universe, however, are where will all the programs come from, and how will viewers be able to find the programs they want. A recent announcement by three Baby Bells gave their answers to those questions.

Bell Atlantic, NYNEX, and Pacific Telesis announced on October 31 their plan to form two new companies: one to produce programming, and the other to manufacture technical systems to distribute the programming over the telephone companies' video dial tone networks. Both companies are expected to have their management teams in place during the first quarter of 1995.

The media company will, according to a Bell Atlantic news release, "license, package, acquire, invest in and create both traditional and new interactive entertainment and information services." Programming from this company, which will be based in Los Angeles and New York (no surprise there!), is expected to be introduced during the second half of 1995. While the 30 million homes served by the three telephone companies will be the primary audience for these programming services, the company also expects to market its products both in other domestic regions and internationally.

Managing and delivering the programming will be the tasks of the second company. The technical systems to be developed will include a "navigator," which will allow viewers to find programs that meet their interests and needs. The company intends to develop open technical standards to promote competition and increase access for consumers. This "technology and integration" company will be based in San Francisco and Reston, Virginia.

de Joe, W3JD

For Sale

Zoom, 14.4 Fax and Data modem:.. External. In original box.. $110.00..... Call, Clarence, W3PYF 252-2109 or on 146.70.

Six Foot Section of Aluminum Mast: 2 1/4" outside diameter, 1/4" wall.. Call John N3MDV @767-1861.

Icom IC-O2AT HT, including Spkr Mike, 2 batteries, IC-BF-7 and BP4.. Drop in charger BC-35 and IC-87.. All in excellent condition. Asking $300.

Nova - 40 Stereo Headphones: Like new in A-1 shape. Price $20.00..Call Carl, KA3TEQ 437-1871.

Cushcraft 11 el 2 meter beam	$ 20.00
HQ1 Minibeam, 20,15,10 and 6 mtrs	$ 35.00
Yaesu rcvr FR67 .5mhz to 30mhz	$100.00
Yaesu FV101Z ext VFO for FT101 series	$ 50.00
Yaesu FR101 RCVR 160 to 2 meters	
FL101 XMTR 160 to 10 meters (Both)	$150.00

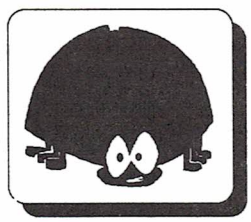
(Can be connected to transceiver)

If interested call Bob, W3YU 866-5752

HOT BEADS MISSING

from Radio Amateur Newsline 899

If someone at a swapmeet or hamfest offers to sell you 600 little glass beads that glow in the dark run to the nearest phone and call the Nuclear Regulatory Commission.



No, we are not kidding since these beads contain a radioactive material missing in Grand Rapids Michigan. The Associated Press reports that the NRC is scrambling to find the beads that were taken by a temporary worker from a Michigan company. A detective told the news service that the worker took the beads used to make military compasses because he thought they were -- and we quote --"cool" to look at. The worker then gave some of the beads to a friend, who passed some on to friends and so on. Half of the 12-hundred beads taken are missing.

The Radioactive material in the beads cause them to glow yellow in daylight and green in the dark. Nuclear Regulatory Commission officials say the beads, filled with radioactive tritium gas, could cause only minor radiation contamination if broken. But they want the beads returned, no questions asked.

Amateur Radio Newsline 899

Phone Fraud, Big Time

From The Westlink Report



An employee of MCI Communications has been charged with stealing more than 100,000 telephone calling card numbers, used to make $50 million plus in long-distance calls, federal authorities said. The Los Angeles Times says that Ivy J. Lay allegedly was a main supplier of the numbers for an international ring operating in Los Angeles and five other US cities, as well as in Spain and Germany, said the US Secret Service, which investigates interstate telephone fraud.

Tens of thousands of customers at MCI, AT&T, Sprint and some local telephone companies were victims, the Secret Service said. Those consumers won't be billed for fraudulent calls on the phone card numbers, spokesmen for MCI, AT&T and Sprint said.

Lay, which the Times article identified as "a switch engineer based in Charlotte, North Carolina," was known as "Knightshadow" to computer hackers. He allegedly devised computer software to divert and hold calling card numbers from a variety of carriers that ran through MCI's telephone switching equipment, said Secret Service special agent Steven A. Sepulveda.

Various CD-ROM amateur radio data bases list an Ivy J. Lay as holding a **Technician Class license** with a license location of Hampton, Virginia. But since we cannot confirm that this is the same person, we will not print the call sign listed.

According to MCI officials, the case is the largest of its kind in terms of known losses. The theft was far more sophisticated that past credit card and calling card scams. In those, thieves had access to a small number of cards by computer hacking or getting carbon copies of receipts or watching customers enter their numbers.

In the ring allegedly involving Lay, the numbers were purchased by computer hackers in the United States and Europe, who in turn sold them to Europeans who would use them later to call the US for free, Sepulveda said.

The Secret Service agents seized items from a home, including computer disks that stored thousands of calling card numbers. The location of the home was not immediately revealed. Lay was immediately fired and arrested on charges of fraud. He could serve 10 years in prison if convicted, the Secret Service said.

Secret Service agents served warrants last week against alleged co- conspirators in Los Angeles, Seattle, Philadelphia, Minneapolis and Chicago. The raids culminated a 4-1/2 month investigation into telephone fraud by the Secret Service. Alleged co-conspirator Max Louarn, 22, of Palma de Mallorca, Spain, has been arrested and charged with conspiracy, Sepulveda said.

The preceding from The Westlink Report.

de Chris, KD3OA EPA Bulletin Manager

Resolution Becomes Law

From ARRL Headquarters

The ARRL's Joint Resolution Supporting Amateur Radio was signed into law by President Bill Clinton on October 22, 1994.



The resolution passed both houses of congress on October 7. The new law, PL 103-408, asks for "reasonable accommodation" in the operation of amateur radio in homes, automobiles and public places.

More information on this successful league initiative appeared in QST for September, October, and November. *from ARRL Bulletin 68*

How to sink a ground rod

by Ralph Grover NS2S

When it was time to install the ground rods for my station some years ago, I climbed up a wobbly ladder and pounded away at the wobbly rods with a sledge hammer until they sank to the right level. Their tops ended up like circus tent pegs.

I recently observed the installation of a ground rod for the new N3VT repeater, and found out how the pros do it. Don, N2GHV, who puts in lots of ground rods in his business, chucked the rod into a heavy-duty half-inch electric hammer-drill, and zipped it into the ground slick as a whistle in 30 seconds -- no banging and no cauliflower deformation on the top of the rod.

from Sept 1994 ARNS, reprinted from the "Peconic ARC Newsletter" Ralph Grover -- NS2S Editor

1994 Emmaus Halloween parade

by Carl, KA3TEQ



Time sure flies, here it is a whole year later, and as in prior years we (DLARC) donated our time and services to provide communication for the Emmaus Halloween Parade. The parade was held on October 15, 1994, and it started promptly at 7:30 P.M. And as in the past years all the operator were there by 6:30 P.M., with no exceptions.



As usual I didn't have any trouble recruiting the sixteen operators (including myself) for the event.

The "Parade Chairman" Steve Estoch and the whole Halloween parade committee, asked me to express their appreciation to our Delaware Lehigh Amateur Radio Club for our participation in this years parade.

Last but not least I want to thank my fellow ham operators for their cooperation which they bestowed upon me for the occasion, namely:

N3EBH *** Tom Dow & XYL Diane

N3GRH *** Dave Hinkel & XYL Linda

NC3P *** Bill Fahs & XYL Beverly

KE3AW *** Bob Green & XYL Andrea

N2MWQ *** John Paulus & His Father

WA3**KIF** *** Mark Miller & Son Marty

KA3JWE *** Don Reamer & XYL **N3RZQ** ** Sharon

KA3TIU *** Bruce Navarre & XYL Dorothy

KA2ZQI *** Jim Woodhead & XYL Rosemarie

N3QZT *** Jeff Keller & **N3RVH** *** Jeff Fehr

AI3D *** Rick Kromer & **N3BDL** *** Marv Kromer

KU3K *** Bob Kratz

KA3TEQ *** Carl Ettl & XYL Marcia

de KA3TEQ Carl

- Percy Maxim 125th Birthday Celebration

From Atlantic Division News, from Director W3ABC and Vice Director, WT3P.

"I had no idea so many people work with the ARRL"

Many of the Division's elected and appointed ARRL officials joined their counterparts nationwide in signing their calls "/125" in celebration of the 125th anniversary of the birth of ARRL founder Hiram Percy Maxim, W1AW. The "/125s" who called CQ during the September 2 - 11 celebration were answered with enthusiastic pile-ups of stations wanting to earn the special HPM certificate.

This event proved to be a success beyond all expectations. Not only was it fun, but it also demonstrated how many hams donate their services to Amateur Radio through the League's volunteer programs. The numbers came as quite a surprise to many.

The anniversary was also celebrated by activities unique to the Atlantic Division. On September 2, The Old Man's birthday, the Antietam Radio Association dedicated a new brass marker at his gravesite in Hagerstown, MD. The ceremony drew attention to Amateur Radio by the local media. The League was represented by W3ABC and Field Services Manager Rick Palm, K1CE.

The Antietam Radio Association also operated their club station, W3CWC, as a special event station commemorating the anniversary. This operation was valid for credit towards the HPM 125th Birthday certificate described in the August QST.

Most hams who have commented say that an event like this - relatively short time period, certificate for a number of QSOs that most people can attain, highlighting ARRL volunteers - should become an annual event. The League's Membership Services Committee has the matter under consideration.

via WT3P Kay, W3ABC, Hugh

QCWA net meets Sundays at noon on 3990. Why not join K3GOX, net control at that time.

Meetings of club are third Saturday of the month. Contact Ray, W3TDF for location and information.

Field Day, 1994....Be Proud!!

by Bob KU3K, Field Day Chairman

Now that December has brought us the nippy weather let us think back to that nice warm day in June when we played Fielday! Ah those donuts, the cold brew, the chili, the stew!! Anyway, I just thought you would like to know (in case you don't receive QST magazine) that the **Delaware-Lehigh Amateur Radio Club** has again posted a position of high esteem in the three transmitter class of FIELDAY 94 The **DLARC** placed eleventh in a field of over three hundred and THAT is something to look at with great pride! I hope all of you who participated in ANY way will show off just a bit and enjoy the fruit of your labor.

As an aside, If we had entered our score in any HIGHER class we would have been a few notches above eleventh!! (Our score was about 45th overall, all categories considered). In terms of emergency preparation, I have always maintained that the DLARC could setup and do whatever necessary with very little fuss. We have also made it clear that we are one of the top amateur radio clubs in the United States!

de Bob, KU3K

Contest Calendar

by Barry, KU3X, Contest Editor

Dec 1 West Coast Qualifying Run 10-35 WPM

Dec 2-4 ARRL 160 Meter Contest (CW)

Dec 10-11 ARRL 10 Meter Contest

Dec 14 W1AW Qualifying Run, 10-35 WPM

Dec 30 W1AW Qualifying Run, 10-35 WPM

Dec 31 ARRL Straight Key Night

RAC Canada Winter Contest

Exchanges:

ARRL 160 Meter Contest = RST + ARRL Section

ARRL 10 Meter Contest = RS(T) + State, DX Send RS(T) + Serial Number starting at 01

de Barry, KU3X

New digi-node on 144.99

by Joe, W3JD



If you monitor packet traffic on 144.99, you've probably seen the beacon for a station that I recently put on the air at Kutztown University. This station (W3JD-2) is available to anyone for use as a digipeater (with the alias KU) or as a node (KUNODE). The coverage area is roughly from Easton to Reading, depending, of course, on the receiving location, and can be used to get to W3PYF-3 if needed.

The station also has a personal bulletin board system (W3JD-4) that is dedicated to the type of information that usually finds its way into my column: telecommunications industry news, FCC announcements, etc. In addition to the bulletins that I post myself, anyone is welcome to contribute relevant information about new developments in the quickly-changing electronic media field. For those stations at the western end of the DLARC membership area who might find that the board is a convenient place for you to leave personal messages for other stations, please feel free to use it for that purpose, as well. Barring any power failures at the university, the station will be in operation 24 hours a day.

de Joe, W3JD

November 4 VE test session

by Robin, WA3T

At this session, seven candidates took a total of ten elements. There were two upgrades, and two new licenses...

George E. Wieland, N3SQD to Advanced

Leroy A. Kromis, N3SII to Technician Plus

Joseph P. Donmoyer new Technician

David J. Ostile new Technician

The VE's at this session were John, WX3C; Glade, WA3MVQ; Bob, KE3AW; Bill, K3ANS; and Robin, WA3T.

The next test session will be on December 2nd; team 4 will be in attendance.

de Robin, WA3T, Team Liason Alternate

PAQSO pty scores?

de Ray, W3TDF

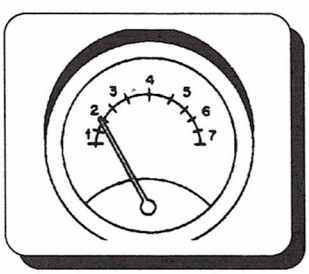
This is regarding the list of probable scores which were posted with Clarence after the contest. That list was for 60 entries, which included one misprint. The aggregate for those 59 members was 2,326,554, but a good many of them were guess-timates. I received 44 logs for checking and submission, of which 40 were on the above mentioned list.

There were 29 of the guess-timates corrected, some increased and some decreased, with a total change of 18,612 points added. The other 4 logs which had not been included in the list amounted to 12,501 points, bringing the new total to 2,367,667. I peronally worked 8 additional members who were not on the list, and whose scores are not known. My opinion is that we probably came very close to 2.4Mil, which is not better than our previous record, but will rank as the 2nd highest ever score for the event. Kudos to Dauberville, Murgas and Erie. ((Boy I sure hope I don't have to eat that CROW.)) *73 de Ray W3TDF*

Our metric mania

by Paul Wilkins, AB4CY

Have you ever fired up on the 131-foot band? You have if you have worked 40 meters. If so, why does it sound so strange? We measure things using agreed upon standards. Our system of weights and measures developed to fit the needs of the times. The inch is the width of an average man's thumb. The foot was originally the length of a king's foot. The yard is distance from the breastbone to the tip of the outstretched index finger -- a handy measure of rope or cloth.



These measures weren't precise, but they suited the medieval market place. Our statute mile began as one thousand paces (right heel mark to right heal mark} of the standard marching gait of the Roman Legion stationed in Britain in 340 A.D. Mr Fahrenheit set the zero of his scale as the lowest temperature he could achieve by salting ice.

So our standards are a jumble of units. Then we divide them into sixteenths twelfths, eights, quarters, halves, three feet per yard, 1720 yards in a mile, etc. Only in currency do Americans count by tens. Look at a clock: 60 seconds to the minute, 60 minutes to the hour, but 24 hours in a day, 7 days in a week, 12 months in a year.

In time measurement, only decades, centuries, and millennia, along with the subdivisions of a second are decimal. And to make manners worse, today a pound can of coffee has eleven and a half ounces and you can't buy a real "2x4."

Convention don't change easily. We buy gas for our cars in gallons, but if you travel in Canada, their "imperial" gallon is larger.

You may be surprised to learn that the U.S. Congress adopted a system of weights and measures with the yard, pound, and quart defined in terms of the meter, kilogram, and liter --in 1888. But in the U.S the metric system didn't catch-up then and hasn't since, though the rest of the world uses it exclusively.

Look at any food item for export; it will show metric units. We buy milk in quarts but spirits in milliliters. And we hams measure wavelength in meters but antennas in feet.

The metric system simplifies measurements by subdividing units by powers of ten and by wetting standards that are reproducible -- unlike the King's foot. The meter is one ten-millionth of the distance from a point in Paris to the North Pole, by definition.

The kilogram is the weight of one liter of water at 4 degrees Celsius. Temperature for our DX friends is always in degrees Celsius (no longer called Centigrade). The Celsius scaled is decimal; it has exactly 100 degrees between the temperature of freezing and boiling water (at standard pressure).

All of our prefixes for units-- femto, pico, nano, micro, milli, centi, deci, deca, kilo, Mega, Giga, and Tera --come from the metric system, as substitutes for saying "time ten to the ..." We use some of them regularly with electrical units of voltage, current, resistance, frequency, etc. And they don't trouble us.

But try fitting an American nut onto a metric screw. Foreign - made automobiles and other equipment come with metric parts, so American garage mechanics and VCR repair people have to keep two sets of tools handy.

Not so long ago, we led the pack in the world market for manufactured goods. We didn't have to worry about compatibility to be competitive. There was a push for us to convert to full metric a few years back, but it fizzled. So now we are the backward ones. and for lack of practice most of us don't perform well in the metric system.

Who should be leading the charge toward a change over to metric? What group of Americans are part of an international community? You've got it. Some of us resemble Pogo when he said, "We have met the enemy, and he is us!" *from the Dec '93 Foundation for Amateur Radio "Auto-Call"- Doug Allen, N3FHM, editor. and the October 1994 ARNS Bulletin.*

W1AW Transmission Schedule

Morse Code Transmissions:
1.818, 3.5815, 7.0475, 14.0475, 18.0975, 21.0675, 28.0675, and 147.555 MHz.

Slow Code Practice: 5, 7-1/2, 10, 13, and 15 wpm
Sun, Tue, Thu, Sat: 1600, 2200
Mon: 1900
Wed, Fri: 0900, 1900

Fast Code Practice: 35, 30, 25, 20, 15, 13 and 10 wpm
Sun, Sat: 1900
Mon, Wed, Fri: 1600, 2200
Tue, Thu: 0900, 1900

Code Bulletin: 18 wpm
Sun, Mon, Sat: 1700, 2000, 2300
Tue, Wed, Thu, Fri: 1000, 1700, 2000, 2300

Teleprinter Transmissions:3625, 7.095, 14.095, 18.1025, 21.095, 28.095, and 147.555 MHz. Bulletins are sent at 45.45-Baudot and 100-baud AMTOR, FEC Mode B. 110-baud ASCII will be sent only as time allows. On Tuesdays and Saturdays at 6:30 PM Eastern Time, Keplerian elements for many amateur satellites are sent on the regular teleprinter frequencies.

Sun, Mon, Sat: 1800, 2100, 2400
Tue, Wed, Thu, Fri: 1100, 1800, 2100, 2400

Voice Transmissions:
1.855, 3.99, 7.29, 14.29, 18.16, 21.39, 28.59 and 147.555 MHz.

Sun-Sat: 2100, 2400

Miscellanea:
On Fridays, a DX bulletin replaces the regular bulletins. In a communication emergency, montior W1AW for special bulletins as follows: voice on the hour, teleprinter at 15 minutes past the hour, and CW on the half hour.

de Bill/ WA3SCW ARRL MDC Bulletin Manager

Jamboree on the air

by Brad, KA1RAH

On October 15 & 16, 1994, the Boy Scouts and Girl Scouts of America in conjunction with Amateur Radio Operators throughout the world, celebrated a wonderful event called Jamboree on the Air.**(JOTA).**

This event serves a number of purposes. From the Scouting perspective, Jamboree on the Air allows Scouts, and their leaders, to talk to other Scouts all over North America and share various experiences and interests. Additionally, this event also helps Scouts to achieve their Communications Merit badge! From an Amateur Radio standpoint, we are given the opportunity to teach young, enthusiastic Scouts about our hobby and show off our shacks and operating skills!

Bottom line, Jamboree on the Air is alot of fun for everyone!!!

Ken Gruber (N3IYX) and I (KA1RAH) experienced Jamboree on the Air at Bill Goodman's (K3ANS) station this year and we had a great time!!! Bill was hosting Boy Scout Pack 48, Den's 1 and 2 from Wind Gap (total of 11 boys) along with their Scout Leaders Kathy McCarty and Phil Neiman and a couple of parent chaperones. It was wonderful to see the Scouts talk to other Scouts in Plano Texas, Calgary Canada, and California. The Scouts from Wind Gap learned that they shared a lot of interests with other Boy Scouts across the country and exchanged different project and meeting ideas.

A number of the Scouts have indicated to Scout Leader, Kathy McCarty, that they very much want to participate in Jamboree on the Air again next year. At least 4 Scouts went home after this years Jamboree and expressed interest in becoming a Ham radio operator. A handful of other Scouts mentioned that they had shared their Jamboree experience with other Scouts that didn't participate and found that these other Scouts were jealous and envious of them. This indicates to me that there are far more Scouts who want to participate in Jamboree on the Air then there are local Amateur Radio Operators willing to open up their shacks for this special event.

Personally, I'd like to see some more local Amateur Radio participation next year for the Jamboree. Not so much because I have a direct interest in the event but because it's a very gratifying experience to see these kids face light up when they are talking to other Scouts all over the Continent. There are so many Scouts missing out on the experience because they have no place to go to enjoy it.

This is a great Public Relations event for Amateur Radio and is FUN!!!! If you have ever been around a group of kids who have a collective interest in radio, you know how much fun it can be!!!

Youth is contagious!! Next year try out the Jamboree on the Air and welcome Scouts into your shack! You'll enjoy sharing the energy and enthusiasm they convey. I know Bill, Ken, and myself had a fantastic time!!!!

de Brad, KA1RAH.

Comments of a personal nature

"Advancement of the radio art"

or Intentional interference a how to guide.

by George, N3OWG

It came to me during the last three hours of the PA QSO party that I might just be missing the whole point of 'today's' amateur radio scene. There I was merrily CQing away when WHAM! A solid 60 over nine carrier landed right on top of me at 3.908 MHz. I thought naively that this was just a "tuner upper" who had mistakenly found his way onto my frequency. My theory was soon to be disproved while I was treated to a half hour repertoire of poorly sent code, rtty, animal noises and shifting carriers through my passband. I kept trying to tell this brother ham that "the frequency was in use" but was told in a heavy southern/Virginia accent "ta kawl tha coontist pole-ice". Finally when I had given up I asked this chap why I was singled out? He replied "Ah gist yer jest ahnother poor victim of mae-liscious enter-fear-ance haw haw haw"



At first I wished the Old Man was still around and in his prime, perhaps armed with a gasoline powered Wouf Houng. But I realized that it was I that was really in the wrong here. After all this man obviously really enjoyed his aspect of the hobby and the amateurs code does say I should never operate in such a way as to lessen the enjoyment of others. And since I have never seen any type of article in QST on how to effectively QRM someone I felt I should do some research and report my findings to you. So here goes:

First off to be a really good QRMer apparently you must move to someplace in the 4th call district. I suppose not ALL great QRMers come from there but apparently that is the general location of the 'creme de la creme' in top notch band trashers Then to be able to walk tall amongst the giants you must kill off some of those pesky, unwanted brain cells. I suggest punching some holes in the exhaust system of your mandatory 1967 Impala and then going for a long drive. With the windows rolled up. Alternatively you may wish to simply test the plate voltage of a 4-500Z with your tongue much as you would with a nine volt transistor battery. If not already married it would be a good idea to propose to a first cousin better yet to your sister that way we could ensure a steady supply of interference buffs for the future. Lastly you will need to purchase an Extra class ticket from one of the less scrupulous VE teams. I hear the going rate is about $500.00. Certainly it would take less time for you to earn that kind of dough at your job, at the local Mobile station, than it would be for you to tax your limited mental resources by trying to do something as complex as reading the license manual.

Now lets talk about the equipment you will need for this aspect of our fine hobby. You will of course want only the very best. The HF rig of choice seems to be anything made by Ten Tec. You know the rigs that "feed on weaklings" But any good high quality rig will do just so long as the finals can stand up to really long key down times. You'll also want a really big linear amplifier too. Something capable of at least 3000 watts output for a half hour or more. I think a Henry 3K or an Alpha would be a good choice. I know this all sounds expensive but it seems to me that if you want to be the best at what you do, you have to have the right tools. One bright note is that since you will mainly be jamming US stations expensive beam antennas are unnecessary, simple dipoles will do a better job on those close in signals. Also you may wish to add a couple of accessories like a RTTY terminal, an electronic keyer for those long series of dihs and dahs and of course a big ol" power mike left over from your CB base rig! Now if you are on a tight budget you can always join up with the minor leagues of radio wreckers and jam repeaters with an inexpensive walkie talkie. (And from the sounds of things on .70 it looks like we have a good collection of bush leaguers right here in the Lehigh Valley)

OK so now you have your stuff, and you have woofed up some car exhaust, and you're raring to go. But where and what? Allrighty my studies show the best places to start out at, are any of the nets. These poor unsuspecting folks are ripe for the picking. Mostly the net types, are there to help someone out with something or another. Maybe getting a message from a traveler to home like on E-Cars or to help with WAS like 3905 Century Club or practicing for emergency communications like NTS or RACES does. These folks seem to get really worked up when you whip a carrier on them, and similarly they just love to hear your best Beavis and Butthead impersonations. And best of all they are sort of bound to be on there usual frequencies so you will have a captive audience for hours, if not days. From there you can become more creative with your endeavors. Perhaps your forte will be jamming rare and semi rare DX stations, or as happened to me you might become an ardent anti contester. Who knows maybe you'll simply be content with blowing raspberries on the Night Owl Net. Whatever your choice you will have the satisfaction of knowing that you are part of the elite vanguard that will be responsible for helping to make Ham radio at least as effective a communicator as 11 meters is.

You may at this juncture be saying "Yeah but what's in it for me?". Well other than an obvious stroking of your underdeveloped libido and that warm glow you get from a job well done there are other perks! Interested in awards? How about the "Worked All States OO award"? Just get a warning from an OO in each of the 50 states and your in. And think of how impressive the collection will look on your wall while your working for your award. And to think those other imbeciles are busy collecting QSL cards! Also there is the "Nasty Comment award" where all you have to do is make at least one interference run lasting 45 minutes or longer consisting mainly of insulting and scurrilous remarks. And if you want to go after the big time the "ARRL officers award" is for you. Yes that's right if you jam an ARRL officer they might actually do something about it and for the price of a pink slip from the FCC you will get a one to two column inch article in QST publicizing your work! Heck most big gun contesters only ever get a single line listing once a year. You'll be a hero! And lastly if you run amuck long enough you might just earn yourself free room and board at the expense of the Federal Government. You'll like your new roommate too! His name is Bubba and maybe he will teach you a new definition for the words "Jamming a Ham" *de N3OWG, George*

Remember, the best bargain in the area is membership in DLARC. Where else to do you get full Autopatch use, a newsletter, and activities that don't quit. Only $12.00 per year with family members $3.00... Mail to Dich Dech, KA3MOU,

Digital Communciations Feedback

by Joel, K9TBD

I have enjoyed writing articles for the Delaware Lehigh Amateur Radio Club newsletters these (uncountable) years. They are composed from conversations and just listening on the local (W3OK) repeater. On occasion I get some feedback from readers but - really -too seldom.



I would really like to hear what you want to hear. Give me a clue as to what subjects you would like covered in this column and I will do my best to write something that is appropriate. One time I asked for questions and wrote a question and answer article- I think that went over well. Another time I listened in on a conversation and found that some were confused on digital logic three articles in a row were published. Another time, someone asked about **DSP** (digital signal processing) and that was a spark for another article. But, I want to hear what **YOU** want to hear. Give me some clues. Some of the areas that I feel confident in include: **DSP**, All modes of Digital Communications (don't forget Morse Code), Packet, Amtor, **RTTY,** Telephone stuff, but also the bridge between the **ANALOG** and DIGITAL worlds. Computer questions are welcome. I probably have direct answers regarding the following worlds: **DOS, CBM, VMS** (because of current involvement) but can provide insights in generic terms for all computer and digital related questions. Perhaps you would like an answer to an analog question - (give me a try) - I designed some of the first **MODEMS** and learned from the masters at Bell Labs. (of course they are hams too!). Give me some questions, I'll do my best to find some answers -but please provide some **FEEDBACK**. This is your column, not mine!

After running the calibration curves for two of the four analog input ports, they turned out to be somewhat non-linear (but of course you can make a computation to correct that). I use these ports to watch levels on **PACKET** to help folks getting on packet to get their levels right -that is together with a calibrated (commercial) box which goes down to 0.1 dB.

My brother wrote (WA9FIO) a **MULITONE** generator for the C-64 which will do a two tone **DTMF** calibration as well as a sweep generator (single tone) in various waveforms from square wave to triangular to white and pink noise. I modified it to provide the 12th root of two (piano scale) increments and when the tuner lost his electronic box, I said, "What do you want, I'll cursor it up for you" I drove the tuner nuts because my little C-64 at 100 bux outplayed his 1,000 bux (dead) box. The synthesizer is accurate to 0.1 Hz as calibrated on an HP audio spectrum analyzer (traceable)

SOFTWARE: If you want to play computer software, give a whack at asking me question regarding **DOS, VMS, CBM** operating systems. Maybe try a question regarding languages such as C, Cobol, Fortran, Basic, Pascal, Assembler (on various machines including my own which i never named).

How about operating systems - **DOS, VMS, CBM** (current) or **LGP-21, OS, UNIX** (in the past). If you have a specific application question, I may not be able to respond unless I have had recent experience, but, if you have a question on how to do something in the current computer world - just ask - I'll probably have a leading (question/answer) for you. For example, here is a question I currently cannot answer -

"How do you dial under Windows , using their terminal emulator, and interface a non-Hayes compatible digital phone system". Here is a question that I can answer: "How do you automate transfers of **POST-SCRIPT** files from a **PC** to a **VAX** or **SUN** for print". Anyway I hope that you get the 'gist'. **SYSTEMS**: If you really are 'gung-ho' ask me questions on how to write a parser, a compiler, and editor (you too can write **WP** or **WS** or an **JED** (Joel's Editor)). Maybe you would like to write your own text formatter -you are welcome to download **LST** - my public domain print formatter which took twenty years to write... **(DEC, IBM**, and **SUN** have their versions - sorta borrowed from me) Maybe you wish to write a game - ask questions.

I helped integrate (late 60's / early 70's - I forget) the computer science and electrical engineering departments at the University of Wisconsin. Later I designed the Calligraphic Navigation display system for the Space Shuttle (while working for an aerospace company in Milwaukee). Wouldn't admit to that until the shuttle came down (back to earth) the first time without a hitch. Also designed the triple redundant power-supplies for the **LIM** the Lunar module that blasted back off the moon to come back home. But, that is another story.

Hardware, Software, Systems, Controls... Just Ask, maybe I can answer questions from: How do I get the screen colors back after they went **BONKERS** to how would you write your own music annotation system using a **FIMBLE** operating system on an **IBLIK** processor.

How do you turn your PC into a 'Star-Searcher' - What would I do for an interface to a 'telescope', how much memory is needed, etc. Ask these questions, please ask as this is your article, not mine. But, please: ASK Questions, I may have an answer. Please give some feedback.

73 Joel, K9TBD

Neighbor ends fight, buys home

Reprinted from the Asbury Park Press

After seven years of fighting, the last four in court, a township resident has settled his dispute with his ham radio operation neighbor, Anthony Marino, KT2W, by buying their house.



Based on a settlement reached recently, Robert Schnabel will pay $96,000. to buy the home of the amateur. The Marinos' home owners insurance company, Aetna, will cover the $17,500 of that cost, Robert Schnabel, the complainant stated.

Schnabel and other neighbors, sued Marino, KT2W saying that his amateur radio station with its towering 64 foot antenna was electronically interfering with their lives.

I'm satisfied as far as the thing being over, Schnabel said, We got what we set out to get. It cost a hell of a lot more than we expected.

In their lawsuit, the plaintiffs had asked to have the ham radio operation shut down. They also wanted Marino to pay for their legal expenses as well s more than $90,000 to cover the loss of property value they say their homes suffered because of the Marinos' radio.

They got neither under the settlement, Schnabel has taken it upon himself to pay the more than $35,000 in legal bills he and the other neighbors have racked up, because he is a widower with no immediate dependents and the neighbors have three young children. Schnabel's wife, Sophia one of the original plaintiffs died of cancer in January.

Aetna had been paying the amateur's legal bills all along and the plaintiffs, lawyer, said he believed the insurance company would have used its deep pockets to fight as long as it could.

The suit was predicated on the idea that the Marinos were essentially electronically trespassing in the Schnabel and other neighbor's homes. However, it appeared that the federal laws favored the amateur.

According to spokesmen for the Federal Communications Commissions and the American Radio Relay League, federal laws generally favor the rights of radio operators, because they can use their radios in times of emergencies.

Schnabel and his neighbors were optimistic they could win if the case were put before a jury. Schnabel said he would have liked to see it go that far, but admitted the cost might have proved prohibitive.

Further information on this story will appear in the December QST, Southern New Jersey Section news.

FCC new changes

ARRL Bulletin 84 ARLB084

The FCC today released a 7-page order amending its amateur rules, effective December 20, 1994, to reflect what the commission calls "nonsubstantive procedural changes":

1. To permit electronically filed data from VECs (paper applications also will still be accepted)

2. To authorize operation as soon as the new license data appears in the amateur service licensee data base, rather than (as now) when the license document has been delivered (details of how the new licensee can determine his call sign will be announced later)

3. To add a new rules section, "Examinee Conduct," to emphasize that an examinee must comply with the instructions given by the administering VEs

4. To treat "Technician Plus" as a license class

5. And to provide for a "Renewal Short Form" which the FCC says will be mailed to licensees in advance of their expiration date beginning sometime in 1995. The FCC added that renewal applications would be accepted no more than 90 days before the expiration date.

Because of the nature of these rule amendments, there is no notice or comment period required by federal law. Again, these changes do not take effect until December 20, 1994.



Dues are due on January 1st. Check for your expiration date on your mail label.

Mail your dues to Dich Dech, KA3MOU,

120 McIhaney Ave, Bath, PA 18014-1612

$12.00 membership with $3.00 for each additional family member

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