Delaware - Lehigh Amateur Radio Club, Inc.

W3OK Corral NEWSLETTER

NOVEMBER 2000

# Meeting on November 2nd at IU20 Bldg

## Special Operations And Considerations for RACES

**by Chris M. Post N3SIG**

The times have changes since the early operations of the RACES groups in the 50's. The times have changed, the threats have changes and the technology has also changed, though the goal has still remained the same, to provide fast efficient communications and to deliver the messages or complete the task in a prompt and orderly manor using their skills as an Amateur Radio Operator.

Join us on the 2nd of November at the IU20 Meeting for a special presentation on Hazardous Materials Operations and Consideration for RACES. This is not intended as a seminar on how to do the HAZMAT job but as an informational lecture to allow you to operate safer at a HAZMAT and special response incident's that you may be called to in the position of a RACES operator.

### Topics will include,

**.Identifying Hazardous Materials**

**.Familiarization With the Placard System**

**.Crash Course in the Emergency Response Guide Book**

**.Incident Command System**

**.Hot, Warm And Cold Zones**

**.Levels Of Protective Clothing**

**.Staging and Placement**

**.Emergency Decon**

**.Mass Casualty & HAZMAT Operations**

**.Chemical Safety & SARA Title 3**

**.RACES Concerns at a HAZMAT**

This program is being conducted in cooperation with the Lehigh and Northampton County Emergency Management Agencies and the Lehigh County Hazardous Materials Response Team and the Delaware Lehigh Amateur Radio Club.

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## FCC set to authorize MURS:

With no fanfare, the FCC is set to authorize a new Citizens Band Radio Service to be called the Multi-Use Radio Service, or MURS. The service, which came about as part of the biennial review of Part 90 of the FCC's rules, will deploy five former Private Land Mobile Radio Service VHF "color dot" channels for voice, data and imaging transmissions.

The channels, 151.82, 151.88, 151.94, 154.57 and 154.60--will be authorized for up to 2 W on an unlicensed basis under Part 95 of the FCC's rules. The establishment of MURS was buried within a huge Report and Order and Further Notice of Proposed Rule Making released this summer as WT Docket 98-182 and PR Docket 92-235. The FCC said it will "revisit" the issue of allocating additional MURS channels "at a later date should additional support develop." The effective date to deploy MURS is pending completion of the FCC proceeding.--***FCC via the ARRL Letter***

## Just the Minutes

***Jim Hogarth, N3DFF***

The meeting was called to order at 7:33 PM by Vice President Jeff Keller, **N3QZT.**

The meeting notes for September were accepted on a motion from Malcolm, N3XRL.



The Treasurer's Report, shown elsewhere in the newsletter, was accepted. I didn't get who made the motion; the second was from Ray, W3TDF.

Barry, N3NVA said the crystals for the voters should be in next week. There needs to be some work on the lines between the tower sites and then the voters can be installed.

He also noted that this is the season for ducting on two meters, so we may all hear some interference from time to time on the repeater.

Barry has some used hardline that he wants to use to replace the existing coax to the repeater. He is hoping to get this done before the winter weather. This should further improve the performance of the repeater.

The Club's Homepage has a new look. Barry encourages everyone to visit it and take a look. In addition, the Club has applied for its own domain name, www.dlarc.org. This should be set up in the near future. The Club has accepted an offer from George, N3SQD to host our site.

The VE Sessions will be held at the IU 20 facility after the October session.

Bill, K3ANS suggested we take advantage of the service in ham magazines to publish VE session dates. This is usually done at no charge.

John Greenage, WX3C was re-instated as a member on a motion from Al, WO4H with a second from Ray, W3TDF.

Bruce Bobo, KB3FIH, was voted in as a new member on a motion from Jeff, N3QZT with a second from KB3DEC.

The Classes are going well this session. We currently have nine students.

The Hamfest had a good day with a fair turnout. The Club received a good income from the event. Glenn, N3ULW indicated that there were at least eight other local events that weekend. Bill, K3ANS suggested changing the date for next year to avoid conflict with some of the other hamfests in the area. Jeff, N3QZT pointed out that the date for next year is set and the arrangements are made.

A volunteer is still needed for the Program Chairman. Barry, N3NVA and Blair, K3YD offered a list of 10 - 12 items as suggestions to help the new person. If anyone is interested, please get in touch with one of the Board Members.

October is election month for DLARC. All offices but the Secretary are unopposed. The Secretary cast the vote for the Office of President, Vice-President, Treasurer, and Board Members. The election of Secretary wen to **Jill Brodt, N3ZSR.**

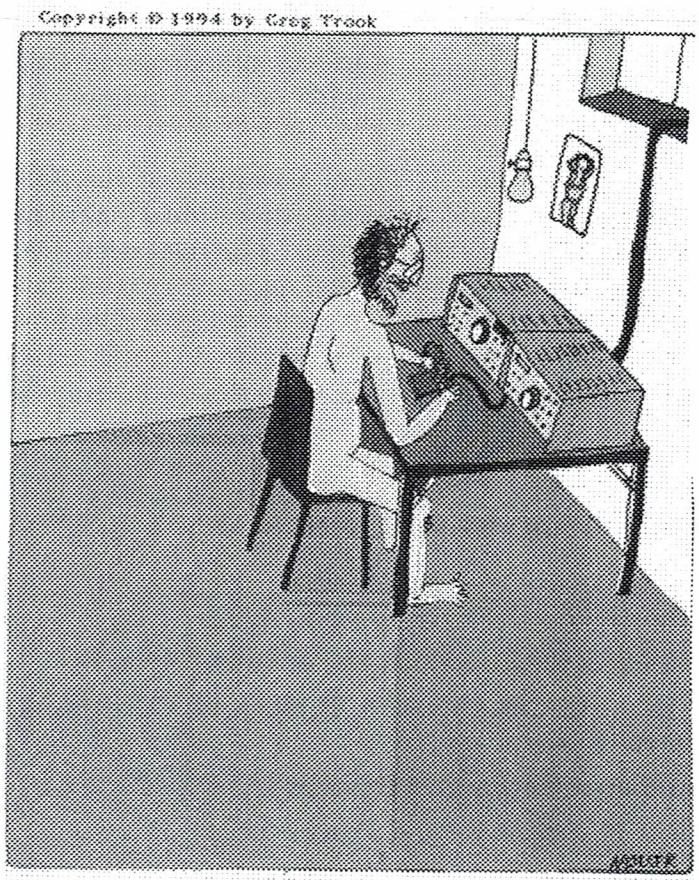
The Christmas City Special Event station still needs a Chairman. If anyone is interested, please let one of the Board members know.

The speaker for this evening's presentation was Bill Steinkamp from the LehighValley Airport.

***Jim, N3DFF, Secretary***

### Free Antenna

I have a 3 element, Mosley TA-33jr. beam; Radiart Rotator, and 10 foot section of tower. I'll give it to the first person that calls (610) 253-1703. Requires removal. Thanks! ***Rick W3GKC***



## The Prez Sez

***by Don, KA3JWE, president***

**First,** I would like to thank Jeff, N3QZT, Vice President, for filling in for me at the last meeting while I was out of town. I unfortunately had to miss an important meeting (officer elections) but I was confident that the Club was in good hands.




**Second,** I would like to congratulateJill, N3ZSR, for winning the election for Club Secretary. I'm sure that she will make an excellent Secretary and we look forward to having her join the team. I would also like to thank Bryan, KB3EVX, for being a candidate for the Secretary's position. Since the office of Secretary was the only open seat this year, I'm glad that Bryan accepted the nomination and made it a race.

**Third,** I would like to thank Jim, N3DFF, for his term of service as Secretary. He did an outstanding job and his level of professionalism will be missed.

**Forth,** I would like to thank all of the incumbents who decided to continue their service as Officers and Executive Committee members. We have had to make some tough decisions over the past year and we have tried to make them in the best interest of the membership. As always, we need your input to guide us in the direction that you think the Club should be going. We welcome constructive criticism but would prefer that you become proactive in the process.

On another subject, I had the opportunity last week to visit ARRL headquarters and W1AW in Newington Connecticut on my way back from a trip to Cape Cod. Larry Wolfgang, WR1B, graciously gave my wife, son and me the grand tour. It is an impressive operation to say the least. From the magazine production to the product testing to the membership services departments, it was nice to see the people who are working on behalf of ARRL members and all amateurs. The W1AW station, where the bulletin broadcasts, code practice and announcements originate is very impressive. An entire wall of radios and associated equipment is enclosed behind glass doors directly behind the main operating console. There are also guest operator studios filled with top-of-the-line ham gear and an antenna system that would make most hams drool. Unfortunately, due to time constraints, I wasn't able to sit in the "big chair" and get on the air. But next time I'm in the area I will definitely budget more time. So, if you are ever in Connecticut, I recommend taking a detour to Newington and stopping in for a visit.

Hope you all did well in the PA QSO Party.

***de Don, KA3JWE***

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**Delaware-Lehigh Amateur Radio Club Inc.**
**Income and Loss Statement.**

| | | |
|---|---|---|
| **Balance 8/31/00** | | **$4,004.42** |
| **INCOME** | | |
| Change | 500.00 | |
| Credit refund City of Easton | 25.00 | |
| Donation Income 52 months | 43.00 | |
| Dues Arrl | 45.50 | |
| Hamfest Income | 1824.53 | |
| Income from class books | 176.00 | |
| VE Test Session 9/8/00 | 28.00 | |
| | --- | |
| **TOTAL INCOME** | | **$2642.03** |
| **EXPENSES** | | |
| Donation QTH Net | 25.00 | |
| Education books for class | 292.00 | |
| Guest Meal | 20.87 | |
| Hamfest | 690.57 | |
| Memory Of John Petruno | 25.00 | |
| Supplies | 51.90 | |
| Telephone | 33.01 | |
| | --- | |
| **TOTAL EXPENSES** | **1138.35** | |
| TOTAL INCOME - EXPENSES | **1503.68** | |
| **Balance 9/30/00** | | **$5,508.10** |

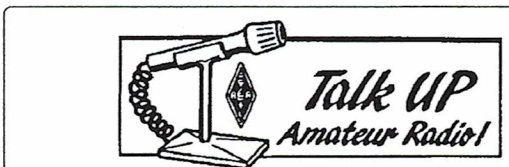
**This year the Hamfest profit.**

| | |
|---|---|
| Hamfest | **$1,282.04** |
| Kitchen | **238.51** |
| | --- |
| Total Hamfest profit | **$1,520.55** |

And increase on the profit of last year's hamfest was **$454.03**

**Total membership 277 as of 10/5/00**

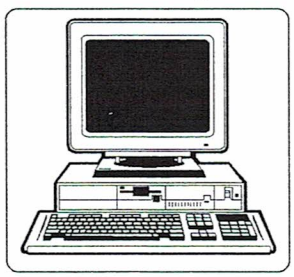
**de Dick, KA3MOU, Treasurer**



## Digital Communication

**Two New Digital Modes (MFSK and MMTTY)**
**SoundBlaster Revolution**
***by Joel , K9TBD***

My last article for the **DLARC** newsletter (22 April 1999) discussed PSK31 by Peter Martinez -G3PLX.



Since then: Two (not one but two) new modes of Digital Communication modes have gained great accolades. They are Stream an MFSK (Multiple Frequency Shift Keying) technique by IZ8BLY Nino Porcino and MMTTY by JE3HHT- Makoto (Mako) Mori (RTTY reincarnated a software version of the ST-6 or DT-600 otherwise known as the Bell (103) modem adapted for Ham Radio. Both new pieces of technology are strictly software utilizing standard capabilities of your audio card with DSP

(Digital Signal Processing capabilities) SoundBlaster card in your PC (Personal Computer). These fine engineers have adapted current technology fostered by Cell Technology to amateur purposes. We are all excited about their generous (profectic) contributions to Ham Radio.

Ten watts gets you the world on a shoestring dipole. Browse the WEB and find these great programs **Stream and MMTTY.**

***Joel K9TBD. (dit dit)***

## DLARC Demonstration station

***by Bob, KE3AW***

**DLARC's** amateur radio station operated as **KB3CLQ** on Sunday, October 8, at Nazareth School District's Science Fest in the Bushkill Elementary School. The station used Sara's call - appropriate since Sara attends the Bushkill School. In fact, the station was located in her 5th grade classroom.

Sara was the primary greeter and operator, explaining aspects of ham radio with handouts and displays, including a world map showing locations of her 129 DX country-contacts. She provided excellent hands-on demonstrations and the opportunity for anyone to talk on the radio.

Sunday's QSOs included Hungary, Germany, France, Italy, and Guyana, as well as stateside locations.

Assisting with the demo setup, operation, and teardown, in addition to **KB3CLQ**, were: **Ken/N3IYX**, who was also the "barker" in the hall, **Glenn/N3ULW, Barry/N3NVA, Rick/K3OO, Rich/N3NXF and Bob/KE3AW. Bruce/KA3ONZ** was available for 2-meter contacts with Breinigsville.

The demonstration station was well received by the Science Fest visitors. In appreciation for our part in the activity the Science Fest committee presented DLARC with a monetary donation.

Thanks to all DLARC members who participated in this educational and fun ham radio event.

***de Bob,KE3AW***

### DARA accepting scholarship applications

The **Dayton Amateur Radio Association** now is accepting applications for its annual scholarships.

Applicants must be graduating high school seniors in 2001 and hold a valid FCC Amateur Radio license of any class. The DARA scholarships are awarded in varying amounts up to $2000, as determined by the scholarship committee, and may be used for tuition at an institution of higher learning as outlined in the application. To obtain an application, send a self-addressed stamped envelope to:

**DARA Scholarships,**
**45 Cinnamon Ct,**
**Springboro, OH 45066.**

Applications must be postmarked by **June 2001**

***Stan Kuck, NY8F***
***The ARRL Letter***

**Let us all remember that our DLARC, ARES, and RACES nets meet every Wednesday nights at 7:00PM..**

**Make it a habit to be there.**

## FCC QUESTIONS POSSIBLE "CORPORATE RAIDERS" ON HAM BANDS

With complaints involving Amateur Radio licensees on the decline, FCC Special Counsel for Amateur Radio Enforcement Riley Hollingsworth has been focusing more on unlicensed activity. In a few recent cases, he's questioned businesses about transmissions monitored on amateur bands.

In late September, the FCC sent a Warning Notice to Friendly Tree Services of Orange, New Jersey, after members of the amateur community there monitored what appeared to be business-related communications on 2 meters. Citing "information before the Commission," Hollingsworth dropped Friendly Tree a line on September 29 to inquire about transmissions monitored on 144.085 MHz. Monitoring information provided to the FCC indicated that an apparently unlicensed station was conducting business on 2 meters using a "base station and at least four trucks." The amateurs made the connection with the tree service after overhearing directions to a particular street address given over the air. The amateurs drove to the address and spotted one of the company's trucks and a worker at the site.

Another Warning Notice went out in late September to Inland Materials Inc of Casselberry, Florida. That Notice cited information alleging that the company was transmitting on 438.537 MHz without a license. According to Hollingsworth, amateur reports indicated that one channel of the company's business radio system transmits on an amateur frequency, but he said it was unclear if this was by design or simply an error.

Hollingsworth has advised the two companies that unlicensed operation is a violation of federal law that could result in a fine of up to $10,000 and jeopardize any FCC licenses the companies already hold. Hollingsworth requested both firms to contact him within 10 days to discuss the matter.

The FCC also notified AT&T Wireless PCS in late September to inquire about allegations that the PCS system's KNLF245 in Newport News, Virginia, may be causing harmful interference to the KA4VXR Amateur Radio repeater in nearby Hampton. The FCC requested that AT&T contact the repeater system's trustee to "explore a solution to the problem" and to advise the FCC of its findings.

The FCC is continuing to investigate allegations raised earlier this year that the Citipage Plus paging system in Las Vegas, Nevada, has been causing harmful interference to the N7OK repeater on 147.09 MHz..

***The ARRL Letter***

## NOMINATIONS OPEN FOR 2000 PROFESSIONAL MEDIA AWARD

The ARRL is accepting nominations for the **2000 Professional Media Award,** which pays tribute to the late CBS News President Bill Leonard, W2SKE. The award goes each year to a professional journalist whose coverage best reflects the enjoyment, importance and public service value of Amateur Radio. The deadline for entries is December 15, 2000.

Nominations will be judged by ARRL's Public Relations Committee, and the winner will be recommended to the Board of Directors for consideration at its January 2001 meeting. The winner receives a plaque and a cash award of $500.

Leonard was an avid Amateur Radio operator most active in the 1960s and 1970s. In Amateur Radio circles, he is remembered for his 1958 contribution to Sports Illustrated, "The Battle of the Hams,"
(http://hamradio-online.com/1996/jan/hams.html) which covered the "sport" of DX contesting. In addition to describing Amateur Radio and identifying some of the notables of the day, the article details the K2GL operation during the 1958 running of the ARRL International DX Contest.

Leonard was inducted into the Broadcasting Hall of Fame in 1996.

Last year's award went to Jeff Holland, staff writer for the Monroe, NC, Enquirer Journal.

For more information about the award or to obtain a nomination form and entry rules, contact ARRL Media Relations Manager Jennifer Hagy, N1TDY, jhagy@arrl.org ; 860-594-0328.

***The ARRL letter***

## MS 150 date set for 2001

**The MS-150-2001 PA Dutch Bike Tour** will be held on the weekend of June 9-10 2001. I wanted to let you know early as possible so you might keep this wekend open for this very important event. If up have any questions please let me know..

***de Jeff, N3QZT***

## DLARC PAQSO SCORE 2000

SCORES ENTERED AA3TT 101,428.0
K3JG 11,000.0 W3HJ 96,000.0
K3YD 5,936.0 WX3W 75,160.0
KA3JWE 71,152.0 N3EBH 74,500.0
KA3ONZ 1,592.0 KA3JWE 71,152.0
KB3EVX 288.0 W3JD 56,879.0
KE3AW 22,437.0 N3GWR 54,900.0
KE3NN 6,680.0 NC3P 52,503.0
KU3X 35,400.0 W4YID 51,183.0
N3EBH 74,500.0 WO4H 40,144.0
N3GWR 54,900.0 KU3X 35,400.0
N3MFT 288.0 W3FYK 31,890.0
N3NNI 11,134.0 KE3AW 22,437.0
N3RZQ 10.0 N3ULW 11,618.0
N3ULW 11,618.0 N3NNI 11,134.0
NC3P 52,503.0 K3JG 11,000.0
W3FYK 31,890.0 KE3NN 6,680.0
W3HJ 96,000.0 K3YD 5,936.0
W3JD 56,879.0 KA3ONZ 1,592.0
W3TDF 194,914.0 AE3T 475.0
W4YID 51,183.0 KB3EVX 288.0
WO4H 40,144.0 N3MFT 288.0
WX3W 75,160.0 N3RZQ 10.0.

The above scores are those submitted to Barry, N3NVA for Club home page.
Your Score will be added asap.
Send your scores to **n3nva@enter.net**

## PA QSO PARTY

***by Ray, W3TDF***

Another PA QSO Party is in the record books. Wonderful weather and reasonably good conditions prevailed, making it one of those pleasant experiences that makes hamming a real thrill. According to my log and the 'reflector' there were about 30 club members who participated, however we only have 22 scores totaling slightly over 1 million points, which aint enough to recapture the trophy. There were at least 7 previous high scorers that did not participate, which would surely have put us in the running.

Would you believe, in 1989, or was it 1990, we had 66 entries. Where did they go? Oh well . . . . . .

Maybe next year !

***de The Grump, W3TDF***

## Ham Killed in Plane Crash

An Amateur Radio operator was among six "flying doctors" killed in plane crash: Oakland, California, dermatologist **Dr Marvin S. Weinreb, KE6WPH,** a Technician licensee, was among six doctors and medical volunteers who died when their private plane crashed October 14 while returning from a humanitarian mission in Mexico. The volunteers, known as Los Medicos Voladores or "the flying doctors" were killed when the Cessna 320E, piloted by one of the physicians, crashed outside Ensenada, Mexico. A formal investigation by the FAA and Mexican authorities was continuing. The six had spent the previous day treating dozens of patients free-of-charge in San Ignacio village.--from news reports ***via The ARRL Letter***

## TWO HAMS ABOARD 100TH SHUTTLE MISSION

After delays due to bad weather, a possibly problematic retracting bolt, a sluggish valve and a halted countdown to remove a stray tool, the shuttle Discovery lifted off from Cape Canaveral the evening of October 11. The launch was the 100th of the space shuttle program.

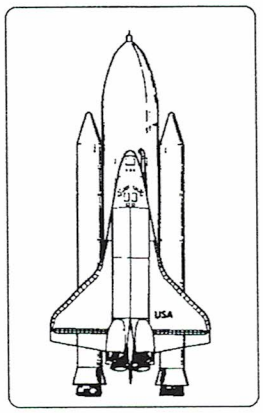
Two Amateur Radio operators are aboard Discovery. They include Mission Commander Brian Duffy, **N5WQW**, and Mission Specialist Koichi Wakata, **KC5ZTA**, who will represent NASDA, the Japanese Space Agency. No Amateur Radio activity is scheduled for this mission, however. Others aboard Discovery will include Pilot Pam Melroy, and mission specialists Leroy Chiao, Bill McArthur, Jeff Wisoff, and Mike Lopez-Alegria.

Discovery is on the fifth shuttle construction mission to the International Space Station and the last before the arrival of the ISS Expedition 1 crew in early November. Two new segments of the ISS are

**continued on page 7**

**continued from page 6**

in the shuttle's cargo bay--a new docking port for use by future shuttle missions and a nine-ton exterior framework.



Shuttle mission STS-92 had been scheduled to launch on October 5, but inclement weather, concerns over a retracting bolt assembly, and a faulty engine valve delayed the launch until this week. Then, with the crew aboard and the countdown running Wednesday, NASA personnel spotted a stray metal pin apparently left behind by a worker on a support strut between the orbiter and the shuttle's giant fuel tank.

Launch managers decided to halt the countdown at T-minus 20 minutes and roll the launch tower back into place to retrieve the pin. An investigation is under way to determine how it was left behind and not accounted for.

The ISS exterior framework--called the Z1 truss--will be attached to the expanding station. The Z1 will house gyroscopes and communications equipment that will provide future "balance" for the outpost as well as enhanced voice and television capability. A conical mating adapter called Pressurized Mating Adapter 3 will be attached, providing an additional shuttle docking port. During the 11-day mission, Wakata will use the shuttle's robotic arm to attach the framework and mating adapter to the station's Unity module.

Amateur Radio on the International Space Station initial station gear was delivered last month by the shuttle Atlantis. The equipment has been stowed aboard the ISS until the Expedition 1 crew of US astronaut Bill Shepherd, KD5GSL, and Russian Cosmonauts Sergei Krikalev, U5MIR, and Yuri Gidzenko come aboard for a four-month stay. The Expedition 1 crew launch currently is targeted for October 30 from the Baikonur Cosmodrome in Kazakhstan.--from NASA news releases and press reports

***via The ARRL Letter***




## Usless Facts

***submitted by Val,W3EFL***

1. The white trail that follows a plane is actually ice.
2. The longest one-syllable word is "screeched."
3. The male scorpion fly gets other males to bring him food by imitating a female fly.
4. The largest known kidney stone weighed 1.36 kilograms.
5. Bibliophobia is the fear of books.
6. Paprophobia is the fear of paper.
7. If you divide the Great Pyramid's perimeter by two times it's height, you get pi to the fifteenth digit!
8. No word in the English language rhymes with month.
9. Every time you lick a stamp, you're consuming 1/10 of a calorie.
10. More Monopoly money is printed in a year, than real money printed throughout the world.
11. A 10-gallon hat barely holds 6 pints.
12. If you yelled for 8 years, 7 months, and 6 days, you would have produced enough sound energy to heat one cup of coffee.
13. A cockroach can live several years with it's head cut off.
14. Most hamsters blink one eye at a time.
15. August 8th is the start of "National Pickle Week."
16. A group of officers is called a mess.
17. The octopus can change it's color in less than a second.
18. Dogs and cats consume almost $7 billion worth of pet food a year.
19. Hippopotomonstrosesquippedaliophobia is the fear of big words.
20. India has 50 million monkeys.
21. Brachiosaurus had a heart the size of a pickup truck.
22. The average computer user blinks 7 times a minute.
23. Babies are born without kneecaps. They don't appear until the child reaches 2-6 years of age.
24. Hershey's Kisses are called that because the machine that makes them looks like it's kissing the conveyor belt.
25. The average human being eats about 70 tons of food in a lifetime.
26. A jellyfish is 95% water.

All Amateur Radio Operators are invited to
Participate to the DLARC, RACES & ARES nets on
146.70 and 444.90 W3OK/RPT (pl 151.4) with an alternate of W3PYF/RPT 145.11
W3OK trustee Chris Hornaman, NU3L
The Nets are held on Wednesdays at 7:00PM

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The W3OK CORRAL is published monthly and is the Official Publication
of the Delaware-Lehigh Amateur Radio Club Inc.

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==1999-2000==

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## CLUB MEETINGS

All regular meetings of the D.L.A.R.C. are held on the first Thursday of each month
7:30 PM at IU 20 Building in Palmer Township
TALK IN ON 146.70
Any comments or articles contributed to this newsletter
should be addressed to *(w3pyf @aol.com}* or Clarence Snyder, W3PYF Editor.
717 Porter Street, Easton, PA 18042-1548
visit our web page
**http://www.kutztown.edu/faculty/chuk/dlarc/**

18052-7204 04



**DATED MATERIAL - PLEASE DO NOT DELAY**

ROBERT A GREEN
KE3AW MEMBERSHIP EXP 12-31-00
346 CREST DRIVE
WHITEHALL PA 18052-7204

**The W3OK CORRAL**
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Nazareth, Pennsylvania 18064-9278

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