THE DELAWARE-LEHIGH AMATEUR RADIO CLUB, INC.

NEWS

RD #4
GREYSTONE BUILDING
NAZARETH, PA
18064

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** JUNE 1988 **
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JUNE 2=====JUNE 2====JUNE 2====JUNE 2=====JUNE 2=====JUNE 2=====JUNE 2====JUNE 2=====JUNE 2

WHAT'S ALL THOSE TOWERS ALONG THE HIGHWAYS??

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TRUNKING SYSTEMS, ARE NOT FOR ELEPHANTS!

Daryl George, K3EX and Charlie Adams, K3HKZ, both experts in trunking radio systems will be the speakers at the meeting to be held on Thursday June 2nd at the EMA meeting room at the Greystone Building, Nazareth.

With the meeting starting at 7:30 PM we will get an insight from two very knowlegeable people in the field of radio communications.

Charlie, K3HKZ heads Industrial Comunciations of Easton and has installed and maintains 100's of cellular telephones in the Bell Atlantic System, and many trunking systems of radio communications.

Daryl, K3EX is an employee of PP and L in Allentown, and is at present heading a group who will be installing a system for that company.

Come hear of some of the state of art commercial systems.

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FOR SALE

HAL CT2100, unit complete, with KB2100 keyboard, Amdek matching monitor for use on RTTY, ASCII and BAUDOT. Built in Modem for use up to 1200 Baud. Can decode Satellite information from Oscar 9 and 11.

Special, $200.00 full set-up. Call George, W3CPR @ 717 386-4032.

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FIELD TRIP TO AT&T SATELLITE SITE

On SATURDAY, JUNE 4. members of our club will be touring the Satellite facility of ATT&T at Hawley, PA, beginning at 12:00 noon.

Plans have been made by program director Bill Goodman, K3ANS to meet at the Belfast exit of Route 33 at 10:00 to allow for carpooling to the site.

The tour is being led by Dave Porter, K2BPP, a member of our club and a past speaker at two of our club banquets and at a past meeting.

Remember, June 4. Belfast Exit, route 33, there is plenty of place to park cars and many can ride together. The club repeater W3OK will be used for gathering and while on this side of the Blue Mountain and then 52 simplex.

Any questions, call K3ANS, his number is on the club roster.

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DOD TO THE RESCUE (We Hope)

Responding to the attempt by United Parcel Service to take 2 Mhz of the 220 band, the Department of Defense has filed with the FCC, strong objections to the loss by amateurs of this part of the spectrum. The Department of Defense objections will, we hope, help in the defense of the attempts of the FCC to remove these assigned frequencies from our band plan.

FOR SALE

1. Tektronix 2 Channel Scope (Hybrid) Delayed sweep, storage, dual trace. $100.00
2. Two AC/DC Electronics Power Supply. 5v..30A, +15V..4A, -15V..4A, 24V...4A All with + and - sense lines $100.00 each
3. Two Power Mate Supplies 0 - 24 Volts at 10 A with + and - sense lines $100.00 each.
4. Swan TV2-\B 2 meter Transverter. 240 watts PEP..can be used with 10-15 or 6 meter input..5894 final...with 2 extra 5894 tubes.. $50.00

Have books and schematics for all and all in excellent condition. Call Charlie WA3RSQ on the air on 70.

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ATV ON VCR

You can begin receiving the PARA ATV repeater if you have a cable ready VCR or television receiver. Tune your receiver/VCR to Channel 57 for the repeater output frequency of 421.250 MHz. The input frequency of 439.250 MHz and the national simplex ATV frequency can be found on Channel 60. (you may need a preamp such as the Radio Shack #15-1118). If you need a signal from the repeater you can touchtone a #1 on 145.820 MHz. The W3PHL callsign will come up for 10 minutes on the repeater output frequency of 421.250 MHz. The ATV intercom frequency is 147.435 where K3AFK monitors most of the time 'till 11 PM.

(from PARA-GRAPHS)

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SATELLITE PRIMER # 3

by John WB3ELA

Well so far we've seen that it's not hard to find the "birds" if you have the numbers from the SATSKED.DAT file and that you can actually see some of the larger ones in the night sky.

I'm sure you have noticed that some birds are overhead longer than others. This is because of the different types of orbits that are used.

Oscar 10 is in an elliptical orbit that carries it to very high altitude at the one side; and a relatively low altitude at the other. Since the earth is rotating beneath Oscar 10, this is why sometimes it "hangs" up there for a long period of time, giving lots of time for QSOs.

Incidentally, this is part of the reason that Oscar 10 has had so much trouble - on the high side of its orbit it brushes the Van Allen Radiation Belt and the extremely high radiation has destroyed most of its memory chips in the on-board computer, causing it to lose control of the many functions necessary to maintain good battery charge, etc. At the time it was launched, Oscar 10 was state of the art and all precautions possible within weight and money limitations were taken, but it wasn't enough. Now, I'm happy to say new technology, coupled with a manufacturers generous donation has taken care of this problem for the next Oscar that will fly.

Oscar 12, on the other hand, is in a low circular orbit, causing it to make more orbits per day and seemingly rush faster in its trip past your station. This introduces another factor for you to consider: the Doppler effect. The same thing that causes a train whistle to change pitch (or frequency) as the train rushes past. If you caught on to the simile, you can guess what comes next. Yes, you have to tune your radio because the received signal changes frequency as the satellite rushes past. For Oscar 12, you start listening about 7khz higher than the beacon frequency, and as it progresses you will end up about 7khz lower than the actual frequency.

I promised to give you some frequencies to listen to, but I want to keep these things short, so it will have to wait for next time. 73, John WB3ELA @ WB3JOE

AMSAT Member # 19064

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I have continued this series on the various satellites by John WB3ELA. Let me know if there is interest in this information. If so I will continue.

73 Clarence W3PYF <Editor>

FIELD DAY NOW
by Ken, KA3EED

June is upon us and you all know what that means. That's right Field Day, and since it was named for my Radio Active ancestors (you mean you never knew?) it is only fitting that I write the invitation.

This is probably one of the most fun activities that any Ham can participate in during the year. Oh sure, there are Contests, and Hamfests, and Sweepstakes, and Special Event Stations, and Qualifying Runs, and at least Five Hundred other activities during the year. BUT you can do most of that stuff alone, and I never heard an Old Time Ham ask a newcomer or any low profile member of our club to drop in during one of these events. My point is (finally) that most active on-air Hams are active individuals. They don't need five other Hams to work DX or go to Hamfests.

FIELD DAY ACTIVITIES ARE DIFFERENT. We can't operate a multi-transmitter site with one person. We can't have a 30 foot tower with a tri-bander on top if only one Ham show up to erect it. WE NEED HELP.

It's not like we are asking you to come to an Ozzie Ozborn concert or something. You can really have fun at Field Day.(If it wasn't fun, would I let them use my name?) One of the best things about Field Day is that it lasts more than a day. We start setting things up around 8:00 on Saturday morning and don't finish cleaning up until around 4:00 Sunday afternoon.

I usually visit at least three times during the weekend. Some lucky people can stay the whole time, but the Indians might torch the Fort if I stayed that long. Still others come for a few hours on Saturday morning to help get everything set up. Or operate during the 11 to 7 shift, or come on Sunday afternoon to knock things down. No matter which time is best for you, just drop in on the activities and you will fit right in. There is no requirement that says you have to know everybody there by their first name, or even that you recognize their face. Remember this phrase and you will become well known in a very short period of time. "Hi. I'm ....."(fill in your name and call)"What's your name." I usually don't tell this secret phrase but that is how my ancestors caused Field Day to be so much fun. If I could spell camaraderie this would be the perfect place to use it. That sums up the feeling you get when 20 or 30 Hams turn Hackett's Park into a hilltop buzzing with RF and emergency power.

Remember the dates June 25 & 26, 1988. Mark the calendar now not on the 24th and your plans might be the first ones there.

de Ken FIELD, KA3EED.

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STILL FOR SALE

Knight KN2510 voice compressor....	$20.00
Heath HD-11 Q-Multiplier.....	10.00
Trans-Pro TM-CW Monitor.....	1.00
Micronta Transist sig tracer.....	5.00
RCA Volt-Ohmyst WV-77E.....	15.00
MFJ 752 Audio Filter/115v ps.....	20.00
Heath Signal Monitor SB610.....	65.00
Johnson Phone Patch.....	20.00
Lafayette Mic/ with mic boom.....	10.00

All in good to very good condition with manuals.

Custom operating position. Especially designed. Consists of 2 pieces. Right-Hand unit is a "Bookshelf" format with 3 shelves and 5 compartments; measures 50" wide x 63" High and 16" shelves. The left-hand unit is a desk with hutch of 3 shelves; measures 63" x 30" x 31" wide. Will hold most all your gear. Designed for a corner. Requires a van or pick-up truck. Yours for best offer over $35.00...

Call Les Lohrman, WA3ENE
(215) 253-8584

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IF YOU HAVE NOT SIGNED UP TO JOIN THE NORTHAMPTON COUNTY EMA, ASK W3PYF FOR FORM.

W3OK NOTES
by Barry KU3K

A minor problem arose with the desk mike for the TS430 club station transmitter. It was repaired and now is back in service. If you have any questions about the operation of the 430, please ask me, and I will try to help you out.

When using the station, clear the operating desk, so that you have plenty of room, and keep all food and BEVERAGES away from equipment.

This spring I want to add the 80 meter traps to the club antenna so we will have 160 meter capability. I also want to move the resonant frequencies on the other bands. We will need a little help. one climber, and two or three people on the ground will do the job. Please contact me if you will help.

At the May meeting, the Club DX-100 award was presented to K3OO. Rick got his award the hard way. He did it QRP! Not 1 KW, not 100 watts but 2 watts output. A job well done. If you put out 100 watts, that is 16.9 db more power tan Rick ran. Com on fellow hams, give it a shot! It's not as hard to get this award as you may think it is. Ten meters has had some good openings and 15 meters and 20 meters are usually pretty good. Forty CW still will have a lot of good DX. If you can't get a YU on 40 CW, then your radio is probably broke. Listen between the static crashes on 75 meters and yu will still hear some DX.

Mike Schooley, WB3CTR, submitted his logs and entry form to me and will be presented the DX-100 award at the June meeting. Another job well done.

In closing, we need about 60 feet of strong rope to borrow to hold up the tower on field day. Last year the rope broke while lowering the tower. No damage was done, but that was a close one. If you have a rope that we may borrow, please contact Bob, KU3K or Ken, KA3EED Field Day Chairmen.

73's and good DX'ing,
de Barry, KU3X

CONTEST CALENDAR

June 4 YLRL Novice/Tech Day
4-5 RSGB National Field Day
4-6 ANARTS RTTY Contest
11-12 ARRL VHF QSO Party
18-19 All Asian DX Phone Contest
25-26 ARRL FIELD DAY
July 1 Canada Day Contest

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KERBOOM!

Explosive hydrogen gas hangs around batteries. When connecting jumper cables to start a stalled vehicle, connect the black ground cable last, to a ground point as far as possible from the battery. Sparks can be generated both in connecting and disconnecting the cable. Disconnect the ground cable first. That way, if a spark jumps, it will not blow up the battery. Finally consider this advice from KG5AP which appeared in an issue of Splatter, the newsletter of the Mississippi Coast Amateur Radio Assn. When starting someone else's car, connect to his car last (better his battery then yours). That way, if he goofs, his lawyer can only sue him, not you.

<ARNS>

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AMATEUR RADIO RECRUITMENT

The ARRL will be sponsoring an innovative program toward new-ham recruitment later this year. The League hopes to utilize the expertise and knowledge of its dedicated volunteers and individual amateurs by combining their many strengths toward one specific goal: increasing our numbers by coordinating a new-ham recruitment structure responsive to the needs of amateurs t the grass roots level.

Implementation of the program will begin in the June-August time frame and continue through early 1989.

Can we help, you bet we can, lets see how many we can get to join the amateur radio ranks. Remember, in numbers there is strength. <W3PYF>

MNY TALKS
by Roy, KA3MNY, Secretary

The meeting of the DLARC was brought to order by the secretary, due to the absence of the President, Vice President and Treasurer. The reading of the minutes were approved as printed in the letter, with one correction, that the call of Dave Porter, which should have read K2BPP.

The treasurers report will follow at the next meeting.

The banquet committee report was given by Ray, W3TDF and all looks favorable for an excellent turnout.

The field-day committee report was next but due to a duty call by Ken, KA3EED, co-chairman of the program, I spoke for him and asked for help in the cooking and food department and also informed the group of the need for tents and shelters for the day. K3ANS volunteered his camper, and other than that there was no response.

KU3X made his report on contesting and announced that the monthly drawing would be for a confidential frequency list and an ARRL directory.

KC3II next reported on the status of our testing program which had been shut down for a month due to difficulties with ARRL. All these difficulties have been resolved and testing will resume on June 3rd. There will however be no testing in July. However a meeting will be held July 8th of all VE's to discuss the possible improvements to our program.

The following membership applications ere received:

KA3QOM, James Ledich
KA3MTY, Paul Eline
WA3FZD, Robert Duvall
KA3AHO, James Hartman
WA2WLB, Ed Baker

They were accepted by unanimous approval.

At this time the meeting was turned over to WA3TDF, Ray for a report on our Law suit status. He did a fine job of explaining the members present, but since an appeal has been made making this an on going case, no further details shall be put into this report.

K3ANS at this time gave us a report on W2SPK's actions above and beyond the call of duty in relation to the pre-Dayton preparations on Bill's camper.

Under new business it was reported that the club microphone was not working and appeared to have had soda spilled on it. The technical committee under KU3X will check on it and make necessary repairs.

Also under new business we had a query from one of our newer members about where the club logo might be obtained for use on a light jacket of if a club jacket was available. It is the opinion of some members that someone in the Nazareth area has the program necessary for that and I said I'd try to find out.

Bill Smith reported that he passed his newsletter around while down in Florida and had very favorable remarks made about it by his acquaintances.

Bill, K3ANS, related that the April issue of CQ has a picture and write-up in it about our member Judy, KA3PZI. She is one of our recent new members and lives on Fountain Hill.

As a preliminary to our formal program KU3X presented a quick demonstration of what a ballun is and how it works.

The program, by Bob, WA3MZO was about the program for the blind, that he is associated with, "RADPRIN". The system which uses the sub-carrier of a local radio station carriers programs for the sightless in the Lehigh Valley.

de KA3MNY, Secretary

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LATEST CALLS ISSUED

For those of you updating, you may be interested in what the FCC is now issuing as calls in the 2nd and 3rd call districts. As of March 1st the following were issued.

Group A (Extra)	Group B (Advan)	Group C (Tech/Gen)	Group D (Novice)
WE2J	KE2ET	N2HYG	KB2DFZ
NN3P	KD3GT	N3GAF	KA3STB

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PARTICIPATE IN YOUR CLUB ACTIVITIES! REMEMBER THAT FIELD DAY IS NEAR. WE ARE NOT JUST A REPEATER CLUB!!

SO WE WENT TO DAYTON
by Dave, N3EYT

What follows are the impressions of two first-time travellers, Bill (K3ANS) and Dave (N3EYT), to the Dayton Hamvention. Please bare with us as we are still suffering from front end overload caused by the concentration of thousands of hams, with thousands of hand-talkies, trying to take in an enormous amount of information in the short time span of just over two days.

Bill and I left Thursday morning in cool, often rainy weather. During our 12 hour trek across Pennsylvania, West Virginia, and Ohio, we encountered snow in the mountains of Western Pennsylvania, we saw vehicles crammed to the top with hams and assorted equipment, and we listened to and used a very active two meter band, especially the ".52" simplex frequency, although activity dropped off in the mountains of Western Pennsylvania.

Descending onto the plains of Ohio, we began to notice tall towers, and Bill wanted to stop and take some of them back with him, but I told him we could stop and pick them up on the way back.

While we were several hours from Dayton, we began to hear some repeater networks which linked up most of Ohio and parts of neighboring states. Planning for the Hamvention was evidenced as we heard information and talk-in directions and even pre-recorded announcements on the repeater system.

We pulled into a campground located northwest of Dayton early Thursday evening. We took one of the last sites with electrical power. By that night there were only unimproved sites available. The site was loaded with campers and RV's of every type and size, as well as every type of antenna.

One of our neighbors at the campsite was an amateur who was a chief engineer for several radio stations in Oklahoma, and maintains several towers, (This got Bill's attention) among which is a 1500 foot tower. We talked for hours about various antennas, types of loading, even "skirting towers", I'm not sure, but I think this has to do with tower gender. Contact Bill for full details.

A free shuttle bus service was provided for the hamvention. This was a real plus and helped to keep the convention site relatively uncongested. The doors opened at noon on Friday and Bill and I were there with several thousand other hams and visitors ready to get started and see what there was to see. Well, let me tell you there was plenty to see. Over 300 exhibitors were showing their wares and offering reams of information on the various products. It is an excellent place to meet the people who are responsible for the product. For instance, K3ANS talked with the president of Kenwood, the original designer of the Ten-Tec Paragon, and Karl Mosley of Mosley Electronics. You have the chance to ask the people who know the questions which matter to you.

Along with several rooms of exhibitor's there are rooms dedicated to forums which cover every special interest there might be in amateur radio. Some of the forums were: QRP International, Writers Conference, Antennas, Packet Radio, DX Forum, WX Satellites and many more. Obviously there was not enough time to get even a fraction of what was offered, but Bill enjoyed a session on an 80 meter yagi antenna design using computer modeling, and the DX forum.

We're not done yet. Once you get an eye full of the inside exhibition arena, you go outside to the flea market. This year, the excellent weather kept a good balance of people inside and out. It could take a full day or longer to browse through the flea market area. Everything from the tiniest wire connector to the most elaborate boat anchor was to be had.

If the daytime hamfest didn't get you, the evening offered extra activities such as DX hospitality Suites where you could meet hams from around the world.

As the hamvention would down Sunday afternoon, I made the last round of the area and Bill scrounged the flea market. When I totaled up the door prizes, the total came to over $23,000. Neither Bill or I, came away with any of the prizes.

I am sure there is much more to say about the biggest hamfest I have ever been to, but time and space have come to an end for now. If you have an opportunity next year go, you'll enjoy it, we did.

de Dave, N3EYT

CQ FIELD DAY
by Prez KU3K

When I was a lad of 13, I used to lie awake the night before thinking about the fun I was going to have working the "tents" on the greatest fun weekend in ham radio. I knew I had to get sleep if I was to stay awake for the full 24 hours of the contest know as Field Day, but I was simply too excited to sleep! Field Day was a great invention..one of many hundreds of operating ideas developed by our ARRL designed to enable us to enjoy this great hobby to its fullest! This particular contest is one of the best since it not only will help develop operating skills but has an even better objective, developing teamwork. I hope all of you will make an attempt to spend some time with us "Field Day".

By the time this appears in print the banquet will be history, however this banquet will have made history in some ways..attendance for this years affair was the best in recent years, thanks to the tireless efforts of the chairman Ray, W3TDF. My sincere thanks to Ray and all who made the affair a smash.

Well summer is here and those "work parties" I talked about in earlier newsletters will probably die a slick death! To date no one has asked or volunteered for the deal and I hope this means everybody is completely satisfied and does not need help! HOWEVER, IT'S NOT TOO LATE!!.

I hope that those of you can't make the meetings will try to feast your eyes on the special DLARC operating awards that many have earned. These are not just any old tissue paper awards..they are really much superior to ANYTHING you might get from ARRL. If you can get to a meeting you will see the certificates in all their colorful splendor. If you can't get to a meeting, visit a member who has earned one and feast your eyes!! They have been specially designed and made by Norm, K3NZ, and you will see they have been a labor of love.

MY SPECIAL GRATITUDE TO YOU NORM, FOR MAKING THIS CLUB ACTIVITY SO VERY SPECIAL AND SOMETHING THAT HAS GROWN INTO A MAJOR ONGOING CLUB SPONSORED PROGRAM.

de KU3K

FROM THE OLD MAN
by Clarence, W3PYF

The drill at Gracedale on Tuesday, May 18th, which included the evacuation of 21 "residents" and transport to the Easton Hospital by 8 ambulance corps, again proved the efficiency of the amateur operators of our group.

Using both repeaters, 146.70 and 145.11 our operators coordinated the movement of the "vicitims" to the hospital. The 145.11 repeater was used in to keep track of the 21 school children who acted the parts of the injured people.

The theme of the program, was a mock explosion at the County Home, and the use of the County Van, moved onto location as a base of operations proved very efficient.

Taking part in the drill were KA3MNY, KA3MTY, WA3ENE, KA3IJL, KC3II, K3ANS, W2SPK, KA3MOU, KA3RBH, KA3MOB, KB3RI and W3PYF.

Those of us who participated, found some problems in our operations, but that is what drills are for, to prepare for an actual emergency.

My thanks to all who participated.

Sunday mornings will find a new net control calling the rolls after June 1st. Chuck, WA3HVT will begin with the June 5th roll call.

Now for the important news, on May 16th, Ken, KA3EED's XYL presented him with a new son. Joshua, who weighed in at over 7 pounds, will keep Ken busy on the truck. Both mother and son are doing fine, and as I write this, Ken says, he and Debbie, but not the baby, will be at the club banquet this Friday night.

With NC3P's tower now up, I hope that he will be working all the DX he has been planning for.

It was nice to hear Ed Panner, K3ET, one of the early developers of local repeaters in the area recently. Ed and Catherine, who live in the Fort Myers area were visiting their family here in the Lehigh Valley. KW3W, anxiously awaiting the arival of his packet box, guess that DX hunting has him ready to check on the DX schedules handed out on 145.05 by the Frankfort club.

Thanks to all who helped get this paper out this month. <W3PYF>

YANKEE DOODLING

FIELD DAY-1988

You've already seen the notice in the newsletter for Field Day 1988, June 25-26, at Hackett Park. If you're an experienced Field Day participant, you've probably told your boss and the YL or YF that you'll "be away" that weekend. What I'll be saying here is no news to you. But, what if you're (GASP!) one of those people who has never been to Field Day? Maybe you hate contests 'cause they "mess up" the band and you can't ragchew. Perhaps you're more of a tinkerer than an operator and just like to operate something "once or twice--just to make sure that it works." Maybe you just like to work VHF, or Oscar, or whatever. Maybe you just "Don't want to get in the way of all the experienced operators." For whatever reason, you've stayed away--and everybody has missed you!

First of all, Field Day isn't a contest--not like Sweepstakes or the DX contests. It's an emergency training exercise, a chance to learn and perfect the art of setting up and operating a station in a portable location--without commercial power. Why should we do this? Go back to the FCC regulations which authorize Amateur Radio. One of the reasons is to provide emergency communications in the absence of commercial means. Does this ever really happen? Think back to the Easton Flood in '55, Agnes in '72, Johnstown in '77 just to mention three disasters within 200 miles. Once stations are set-up, we operate for 24 hours just to test the effectiveness and reliability of the station. Many an antenna has been rebuilt, by flashlight, at 2 A.M. !

I was in Johnstown in '77. We operated from a school building which was an evacuation center. We strung dipoles from the flagpole and were operating within an hour of our arrival. We had power--some of the time--and used car batteries to power our solid-state gear the rest of the time. Everybody in our group had been to many Field Days and you could really see the experience demonstrated by teamwork in action.

If you are one of those tinkerers I mentioned, Field Day needs you! More rigs break-down or malfunction during Field Day that any other time. Why? It wouldn't the the diet of generator produced AC which varies from 90-140 Volts, or the 24 hours of continuing operation, or being baked by the sun till it's too hot to be touched, would it? Nope, it's that guy MURPHY who always comes to Field Day. I'm not sure of his call, but when he walks thru the site, things happen! Towers fall, coax shorts out--you name it! We really need our experienced FIXERS after his visit!

If you are a special mode operator (OSCAR, UHF, etc.) we need you,too. There are lots of bonus points for special modes during Field Day. (See QST, or ask at the June meeting) Set-up and make 5 or 10 contacts, and the club earns a bonus. I don't know how to track and operate OSCAR. If you do, I sure hope to see you at Field Day!

As for getting in the way--forget it! Nobody (except Murphy) does! There's lots to do. The generator needs to be fueled, kitchen operated, and press greeted. There are usually visitors who need tours of the site. And, you wouldn't believe the hours that a rig sits idle or with just one tired overworked operator who really needs some help or a relief. A couple of hours sitting next to an experienced FD op like Tony ex-K3ZUF, now WB2P, or Bob KB3RI is a real education, too. After that, you'll be "experienced", too!

Another thing, FD is a great time to "sell" Ham Radio. Bring along that neighbor or friend who has shown a little interest in the hobby. I know lots of HAMS whose first taste of ham radio was at a FD site. How many more Hams will be made this year? It depends on how many potential Hams YOU bring to Field Day '88 at Hackett Park. See you there!

Set up starts at 9 A.M. on Saturday, June 25th. The operation ends at 2 P. M. on Sunday the 26th, but "tear down" continues for about 2 more hours. Come for an hour or for the whole weekend, but please, for your own fun and a great learning experience, come to Field Day!

HINTS

Bring along some tools, and a warm jacket (it can be real cool at night--even in late June), and a flashlight, and a pencil. If you might like to work CW, bring your favorite KEY, BUG, or KEYER and PADDLE. Most importantly, bring yourself to FD '88.

73 de K3YD



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BERMUDA - 26 May-2 June. K1EFI/VP9, with cw and ssb on 10, 15 and 20m, will be shooting for high marks in the CQ WW WPX CW Contest on 28-29 May. QSL: home CBA.

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CURACAO - 24-31 May. N5RM/PJ2 on 10-160 with cw and ssb. Bob will sign PJØR during the CQ WPX CW Contest. QSL to his home CBA.

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CYPRUS - 5B4TI on 21,309 KHz from 1245 UTC. QSL Mike to P.O. Box 7121, Nicosia.

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FEDERATED STATES OF MICRONESIA (E.C.IS.) - KC6AB, KC6DX and KC6MS by the Japanese team of JA7AB, JA7HMZ and JA7IQS with cw and ssb on 10-80. They may use one or all of the KC6-callsigns in the CQ WW WPX CW Contest. QSL via JA7AGO.

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GLORIOSO I. - From early June. FR5ES/G will be back on Glorioso for at least a month before QSYing to his next assignment. Catch him daily in the various 15 and 20-meter DX nets. QSL via F6FNU.

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GUINEA-BISSAU - J52US on 28,495 KHz at 1300 UTC offering skeds on 10-160 at appropriate hours. QSL Dave via WA8JOC.

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IVORY COAST - Now thru August. TU4GR by DJ9GR. Rudi announces his schedules on other bands during his daily sessions near 14,025 KHz from 1730 UTC. QSL: home CBA.

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KENYA - 5Z4BP likes 21,320 KHz daily from 2200 UTC. QSL Ben to P.O. Box 73029, Nairobi, Kenya.

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MACAO - 28-29 May. XX9MF by KC7V for the CQ WW WPX CW Contest. QSL: KC7V.

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QATAR - A71BJ on 14,185 KHz most days from 0300 UTC. QSL to Box 14, Doha, Qatar.

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RODRIGUEZ I. - 3B9FR meets TI2CC on 14,190-195 KHz every Saturday at 1200 UTC. You are invited to call-in. QSL via F6FNU.

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ST. PIERRE & MIGUELON - 26-29 May. KA1Y, W2NSD and NA5E will append /FP on cw, ssb and RTTY. QSL via W3GXK.

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TOKELAUS I. - Now thru June. VK2BCH/ZK3 is expected to open momentarily. Bing says that he will try to be active on all bands with cw and ssb. QSL directly to VK2BCH with an s.a.e. and a greenstamp. (His next stop will be the Cook Islands).

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TRINDADE I. - Starting between 1 and 5 June and lasting five days. The NATAL DX GROUP, comprising ZYØTF (PY7WB), ZYØTK (PS7KM), ZYØTO (PS7BF), ZYØTR (PY1-BVY) and ZYØTW (PS7WP), will be on all bands and modes but with emphasis on RTTY and cw. Proposed frequencies: RTTY - .087 on each band QSX .090-.100 KHz, cw - .015 on each band, ssb on the usual DX frequencies. In view of the high cost of the DXpedition, a donation will be appreciated, along with your QSL and s.a.e. to: Karl M. Leite, PS7KM, P.O. Box 385, 59001 - Natal, RN, Brazil, S.A.

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UNITED ARAB EMIRATES - A61AB on 14,183 KHz from 1800 UTC and in a new "list-operation" on 14,251 KHz from 0100 UTC. QSL via OE6EEG.

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VATICAN - 28-29 May. K4TEA and K4TKM will be guests o IØDUD at HV3SJ. They plan to be on 10-160 for the CQ WW WPX CW Contest. QSL via IØDUD.

All Amateur Radio Operators are invited to
participate in the DLARC Nets
on 146.70 W3OK/rpt.
The Nets are held on Sundays at 9:30 AM
and on Wednesdays at 7:00 PM.
The alternate repeater for these Nets
is 145.11 W3PYF/rpt.

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The DLARC NEWS is the Official Publication
of the Delaware-Lehigh Amateur Radio Club Inc.

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1988

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NEWS STAFF

Editor - Clarence Snyder.....W3PYF..252-2109
DX Column - Norm Zoltack.....K3NZ...799-4044
Circulation - Dick Peischl.....KC3CR..759-0294
Digital Editor - Joel Elston.....K9TBD..252-1515
Mailing List - Robert Mulrooney..KB3RI..759-2674
Printer - Norm Zoltack.....K3NZ...799-4044

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CLUB MEETING NIGHT

All regular meetings of the D.L.A.R.C. are held
on the first Thursday of each month at 7:30 PM
in the Greystone Building at Gracedale.
Phone....759-2600

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Any comments or articles contributed to
this newsletter should be addressed to
CLARENCE SNYDER W3PYF
717 PORTER STREET
EASTON, PA 18042-1548

THE DELAWARE-LEHIGH AMATEUR RADIO CLUB, INC.
RD #4
GREYSTONE BUILDING
NAZARETH, PA
18064

NEWS

Aug. 27 Picnic

Oct. 15/16 Scouts Windsurf + Northampton

Money Mail counts June 88

01/01/89

Raymond Bilger W3TDF
R.D.# 1 Box 178 State Road
Coopersburg Pa. 18036