THE DELAWARE-LEHIGH AMATEUR RADIO CLUB, INC.

NEWS

RD #4
GREYSTONE BUILDING
NAZARETH, PA
18064

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** AUGUST 1987 **
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MINUTES
DLARC MEETING
THURSDAY, JULY 2, 1987

The meeting was opened by President KU3K, and the minutes of the last meeting were read as they were published in the newsletter. Two new members were accepted: Bill Goodman, K3ANS, and Robert Miller, W3QX. Welcome to the ranks, gentlemen!

A number of public service and club events were discussed, including Heritage Day (July 5), Derriere in the Delaware (July 19), as well as the club picnic on August 2, and the PA QSO party October 10-12.

A report was given on the Field Day activities, where only three transmitters were run rather than the four run the year before. The unofficial score, without bonus points, was 5388, compared to the 1968 score of 6038 (which is not bad considering the use of three transmitters instead of four). There was a good crew in attendance and a great deal of operating was done, making this a very enjoyable event. Thanks were offered to all who participated.

The DLARC presented 1986 PA QSO party awards to winners, KB3RI, KJ3R, and N3BIB. These award presentations were initially made at the club banquet in June and repeated at this meeting.

Barry, KU3X, gave a report on the Activities Committee, which included: future contest schedules, good articles in current publications, the receipt of the 160 meter traps for the club antenna, as well as some necessary maintenance items.

It was announced that W3BI, WB3DTB, and K3CIS all took lightning hits in a recent storm. Methods for reducing potential damage were discussed.

KU3K mentioned the great utility of the packet network running in the Valley, and suggested that the club consider a donation to KB3UD to support the use of his digipeater. This will be considered further at a later meeting.

K3ANS suggested the need for Advanced and Extra theory classes and was appointed to chair the organization of a committee. There was much interest in this project expressed by the members present.

W3PYF announced that a new 440 repeater will be in operation shortly, on a frequency of 444.35 mz from the 145.11 location.

The scheduled program by K2BPP, involving a receive-only satellite earth station, was cancelled due to weather. This program has been rescheduled to the September meeting.

Respectfully Submitted
For the Secretary
Bob, W2CCE

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ADVANCED EXTRA CLASSES LICENSE CLASSES
by Bill K3ANS

Do you want to upgrade to an Advanced or Extra Class license? Are you already Advanced or Extra, but want to know more about ham radio and electronics? Help me organize and participate in a class for this fall, 1987. On July 2, 1987, I was appointed chairman of a new committee to organize Amateur Extra and Amateur Advanced classes. Like many of you, I became a ham long before Advanced and Extra was important. They had no extra privileges. Now the privileges have been expanded and I want to enjoy them, as you probably do.

In the DLARC we have many talented instructors, but it will take their time and energy. Should we charge a tuition for the course? Is it too much work for one instructor? Should we spread the work among several instructors? Should we pay the instructors? How long should the classes last? Where should they be held? When should they be held?

Some of the answers are easy. The Gracedale Headquarters for the DLARC is a natural classroom. I recommend Thursday night because it is the normal meeting night for the club. Friday night is already the established night for novice and general classes. And since I am now chairman, I get to pick the night which is convenient for me: Thursday! But I need your help with the other issues. Please volunteer to serve on a committee to organize the class. If you would like to be an instructor, please call me.

Charlie, KC3SM has already offered his services as an instructor. At the July 2nd meeting, fifteen members -out of approximately forty attending- raised their hands to show interest in attending the class. That is a very encouraging percentage. Please call me if you are interested in attending, serving, or instructing. My telephone numbers are: (215) 258-5063 at home, and (215) 253-2745 at work. Or, catch me on 146.700 mhz, the W3OK repeater.

WE "DID" IT AGAIN
by Clarence W3PYF

It was quite a day. With about 550 tubers making 1365 trips down the Delaware River, during the Derriere in the Delaware festivities in Easton, our group did its usual professional amateur job. 15 members of the club made it very safe for all concerned. With the proceeds going to the American Red Cross, and both ends covered like a blanket, officials knew instantly when any tuber was in trouble or if there was any problems on the river.

Kurt, KA3MOB and Diana, NB3L manned the communications van, and the rest of us spread along both the Pennsylvania and New Jersey side, there was not a spot on the river that was not in view of one our group. Bob, KB3RI and Dennis, KR3U were in two of the water safety boats, and Les, WA3ENE and Bill, K3ANS at the Eddyside end, the starting point, we did it all.

Probably the two hottest spots were in the center of the two bridges with KA3OEG and KA3MNY manning the locations. My feeling is that they were both "well done" by the end of the event.

The rest of us were spread out all over the area. Participating during the exercise were NB3L, KA3OEG, WA3CQU, KC3CR KA3ODI, W3BPP, KR3U, KB3RI, KA3MNY, KU3K, KA3MOB, WA3ENE, K3ANS, AND KA3NJR as well as yours truly, W3PYF. Almost forgot, WA3CQU's OM, Bill kept Carol company and wore out the binoculars watching the girls on the river.

We have received a very nice letter from the Red Cross thanking the Delaware-Lehigh Amateur Radio Club for their services.

....Hurricane, The Greatest Storm on Earth....
by Charlie, WA3RSQ

There is nothing like them in the atmosphere. They are not the largest storm systems in our atmosphere, nor the most violent, but they combine those qualities as no other phenomenon does: as if they were designed to be engines of death and destruction.

We are now in the midst of the hurricane season. In the Atlantic, Caribbean, and the Gulf of Mexico, the hurricane season is June through November. In the Eastern Pacific the season is from June through November 15.

Hurricanes are spawned in the low latitudes along the equator where the ocean water is quite warm. At first we have what is called a tropical depression. This is a weather system which has a maximum sustained wind speed of 38 mph. As the storm intensifies and the winds become stronger, a Tropical Storm is formed, which is given a name such as Tropical Storm Ann or Tropical Storm Andy, which ever the case may be. The storm becomes a hurricane when it reaches a maximum sustained wind speed of 74 mph or more. The storm is then tracked by the National Weather Service Hurricane Center, Miami, Florida. Hurricane Warnings are issued by the National Weather Service well in advance of a hurricane so people can have enough time for a plan of action.

Living inland as far as we do in the Lehigh Valley we do not have to worry about the most dangerous and most deadly killer portion of the hurricane: the Storm Surge.

The Storm Surge is a great dome of water, often 50 miles wide, that comes sweeping across the coastline near the area where the eye of the hurricane makes landfall. The surge, aided by the hammering effect of the breaking waves, acts like a giant bulldozer, sweeping everything in its path. The stronger the hurricane, the higher the Storm Surge will be. This is unquestionably the most dangerous part of the hurricane. Nine out of ten fatalities are caused by the Storm Surge. During the infamous Hurricane Camile in 1969, a 25 foot storm surge inundated Pass Christian in Mississippi. Lesser heights are more usual but still extremely dangerous.

Hurricanes have a single benefit they are a major source of rain for those continental corners which fall beneath their tracks. Perhaps there are some hidden benefits as well, but the main consequence of hurricane is tragedy.

Hurricane names for 1987:
1. Arlene; 2. Bret; 3. Cindy; 4. Dennis; 5. Emily; 6 Floyd; 7. Gert; 8 Harvey; 9. Irene, and 10. Jose.

Editors note: Charlie Giannetta, WA3RSQ, author of this article, is a member of the National Weather Service staff at the Allentown Bethlehem Easton Airport.

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ARRL BOARD MEETING NOTES

The following is a report of the meeting of the ARRL Board of Directors, which was held in Atlanta, Georgia, on July 9 and 10. The ARRL Bulletin is shown below as distributed by the ARRL. I have typed it in its entirety for you information. (Clarence W3PYF)

ARRL BULLETIN 59 FROM ARRL HEADQUARTERS

NEWINGTON CT JULY 11, 1987
TO ALL RADIO AMATEURS

THE ARRL BOARD OF DIRECTORS HELD ITS SECOND 1987 MEETING IN ATLANTA, GEORGIA ON JULY 9 AND 10. IN CONSIDERING THE FCC PROPOSAL FOR PRIVATIZATION OF THE SPECIAL CALL SIGN SYSTEM, THE ARRL BOARD FIRST STRONGLY SUPPORTED THE CONCEPT THAT THE ASSIGNMENT AND ISSUANCE OF CALL SIGNS IS A GOVERNMENTAL FUNCTION WHICH SHOULD BE CARRIED OUT BY THE FCC. IF THE FCC NEVERTHELESS DECIDES TO DELEGATE A PART OF THE FUNCTION, THE ARRL WOULD SEEK TO UNDERTAKE IT, SUBJECT TO CERTAIN CONDITIONS. AMONG THESE ARE THERE BEING ONLY ONE ENTITY, THE FCC CONTINUING TO ISSUE LICENSES AND INITIAL CALL SIGNS, FCC CONTINUING TO MAINTAIN ITS OWN DATABASE, AND THE PROGRAM BEING SELF SUPPORTING UNDER A REASONABLE FEE SYSTEM.THE LEAGUE WILL PETITION THE FCC TO REQUIRE EXPRESS FCC APPROVAL FOR REACCREDITATION OF ANY PROSPECTIVE VOLUNTEER EXAMINER WHOSE PREVIOUS EXAMINER STATUS HAS BEEN SUSPENDED OR REVOKED BY ANY VEC.

THE ARRL HUMANITARIAN AWARD WAS CONFERRED ON FATHER MORAN, 9N1MM, SCOTT L. YOUNG, N9FZS, WAS SELECTED TO RECEIVE THE 1987 HIRAM PRERCY MAXIM AWARD. THE 1986 TECHNICAL EXCELLENCE PEWTER CUP GOES TO RICH ARNDT WB4TLM AND JOE FIKES KB4KVE FOR THEIR APRIL 1986 QST ARTICLE ON CAPACITIVE FILTERS.

LOOKING AHEAD TO THE POSSIBILITY OF A FUTURE INTERNATIONAL CONFERENCE THAT MIGHT AFFECT AMATEUR RADIO FREQUENCY ALLOCATIONS, THE BOARD INSTRUCTED ITS OFFICERS TO BEGIN DEVELOPING A LONG RANGE PLAN FOR THE LEAGUE. AN HISTORIC AMENDMENT OF THE ARRL ARTICLES OF ASSOCIATION WAS ADOPTED EFFECTIVE JANUARY 1, 1988. IT COMPLETES ACTION ESTABLISHING AUTONOMY FOR THE CANADIAN RADIO RELAY LEAGUE, THE REFURBISHING OF THE MAXIM MEMORIAL STATION W1AW AND RAISING OF FUNDS THEREFORE, BUT PLACED THE BUILDING OF A VISITORS CENTERS AT HQ IN ABEYANCE UNTIL A MORE FORTUITOUS TIME. FUNDS WILL ALSO BE SOUGHT FOR A POSSIBLE NEW ARRL STATION TO SERVE THE WEST COAST, ALASKA, HAWAII AND THE PACIFIC. THE BOARD SELECTED DALLAS, TEXAS AS THE SITE OF THE DIAMOND JUBILEE NATIONAL CONVENTION JUNE 2 THROUGH 4, 1989. THE ARRL VOLUNTEER EXAMINER COORDINATOR PROGRAM WILL BE STUDIED BY THE VOLUNTEER RESOURCES COMMITTEE, WITH AN EYE TO STREAMLINING IT. STANDARD OPERATING PROCEDURES AND RULES FOR ADVISORY COMMITTEES HAVE BEEN REVISED.

THE BOARD ESTABLISHED THE ARRL NATIONAL EMERGENCY RESPONSE COMMITTEE, ANERCOM, TO PLAN AND MANAGE AMATEUR RADIO RESPONSE TO DISASTERS. A MEMO OF UNDERSTANDING WITH THE WEATHER SERVICE WAS AUTHORIZED.

NOVICE ELIGIBILITY FOR ARRL LEADERSHIP AND STATION APPOINTMENTS HAS BEEN EXTENDED. A DIAMOND JUBILEE WORKED ALL STATES AWARD FEATURING THE 12 METER BAND WAS AUTHORIZED. PLAQUES WILL BE PROVIDED TO THE FIRST 10 AMATEURS TO MAKE DXCC ON 6 METERS AND THE FIRST 10 ON 2 METERS.

THE LEGAL STRATEGY COMMITTEE WILL DEVELOP GUIDELINES FOR ARBITRATION AND MEDIATION OF DISPUTES BETWEEN REPEATER COUNSELS. AN INTERIM BAND PLAN FOR PACKET RADIO ON FREQUENCIES UP TO 225 MHZ WAS ADOPTED. ADVISORY COMMITTEES WERE ASKED TO STUDY PACKET PLANNING FOR HIGHER BANDS. OTHER STUDIES INCLUDE WAYS TO REACH STATE AND LOCAL PLANNING AND LANDUSE BODIES WITH INFORMATION ON ANTENNA RULES, FEASIBILITY OF A POLITICAL ACTION COMMITTEE FOR AMATEUR RADIO, AND RELOCATE BEACON FREQUENCIES.

MINUTES OF THE MEETING WILL BE IN THE SEPTEMBER ISSUE OF QST. THE NEXT MEETING OF THE BOARD WILL BE IN HARTFORD, CONNECTICUT ON JANUARY 22 AND 23, 1988.

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EDITORIAL
by Clarence W3PYF
Assistant Editor

WHOSE REPEATER IS IT? That is a question that I have asked many times as I listen as I sit in my office at home. With the problems that have been on OUR repeater in the past, I think that everyone who is a member, and has the facilities, should be monitoring .70 at all times.

Besides just monitoring to help out anyone who is in trouble, you can perhaps help in finding who is causing the interference to the users of OUR repeater. One more thing that enters my mind, and I am sure that many members may dispute this statement, that is that I have a mind, is that when a call that is strange to the repeater comes on, why not at least do what I try to do and that is, call him or her and let them feel welcome on the repeater. Travelling the way I do, and the way I did in years past, it sure makes one feel great when a local station comes on and makes you welcome.

A good example of a great friend is KA3MNY, the money man, who never hesitates to say hello to any one travelling though the area. In closing, lets make it OUR repeater, not the repeater of the officers of the club.

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FROM THE OLD MAN
By Clarence, W3PYF

Here we go again, what a busy month, with more extra curricular activities that can possibly be imagined. With Heritage Day, in Easton on July 5th, Derrierein the Delaware (DID) on July 19, a bicycle race in Bethlehem on July 25th, I guess it shows our versatility.

This is being written before the DID, but one thing for sure, we sure have friends in the Easton Police Department after the job we did for them during the Heritage Day events. The members of EMA and our club did a professional job from finding lost children, lost parents, and keeping the information flowing into the County Van. The club walkie talkies got their first work out with WB3CTR and KA3OEG using them. I recharged them and they are now ready for the DID if they are needed.

Participating in the Heritage Day events were KA3OEG, W2SPK, KB3RI, KC3YN, WA3ENE, N3EOF, KA3MNY, KA3ODI, WB3CTR, K3ANS, W3BPP, KA3IDL and me W3PYF. It was great to see Tony, N3CVH visiting the van after his recent trip to Europe.

Bill Goodman, K3ANS, was very active during the Heritage Day activities as he stayed part of the time at the Kiwanis booth, selling Egg rolls, but in between keeping us informed of the activities around his area in the Circle. It is good to have Bill back in the club again, his father, an attorney in Easton was responsible for all the paperwork in getting the Club incorporated, at no cost many years ago. Bill was active in Field day and made many contacts on the 20 meter band and showed much of his old zest in operating.

I think I can get away with this, but can you imagine anyone running a golf course, who never even swung a club. Honorable editor, KA3EED is doing just that, as he is helping his father run the new Sawmill Golf Course. Ken and his father in addition to doing their own thing in the oil business, have started this new venture. You are going to have to put up with me for a few months

until we get more help from the membership in putting out this newsletter.

I am sure I express the good wishes of all the members of the club in wishing Prez Bob, KU3K, and Janice, KA3NJR, the very best after their recent marriage.

One thing I cannot fail to mention is the clubs thanks to Eddie, W3APE and friend with his truck for helping in putting up the Field Day antennas. Their help made it a lot easier. Bob Mulrooney KB3RI did his usual good job in keeping the liquid refreshment flowing, and Tom, WA2QAL for the food service. I feel sad to tell all of you that we will be losing one our good friends and very active members among the amateur radio fraternity here, in the move of John, KA3JAL to South Carolina to take over as Operations Manager for the Cup Division of James River. It is a great oportunity for John and his family we hope that in the near future, he will upgrade so we can talk to him on 40 or 80 meters from that location.

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VIDEO TO FEATURE
AT AUGUST 6 MEETING

A film producted by the Kansas City DX association will be the program for the meeting on August 6. Rick, K3OO, has made arrangements for this comedy video to be shown at the meeting. Come laugh with us. Rick, who saw the video at Dayton this year, reports that it is funnier than Miami Vice.

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WANTED:

Used HF Transceiver in working condition. Primarily interested in the ten meter band. Will consider converted CB radio, with SSB. Call Jim, N3EYJ at 253-7086.

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ARRL DXCC Countries List

A2 ..... Botswana
A3 ..... Tonga
A4 ..... Oman
A5 ..... Bhutan
A6 ..... United Arab Emirates
A7 ..... Qatar
A9 ..... Bahrain
AP ..... Pakistan
BV ..... Taiwan
BY ..... China
C2 ..... Nauru
C3 ..... Andorra
C5 ..... The Gambia
C6 ..... Bahamas
C9 ..... Mozambique
CE ..... Chile
CE0 ..... Easter I.
CE0 ..... San Felix I.
CE0 ..... Juan Fernandez I.
CN ..... Morocco
CO ..... Cuba
CP ..... Bolivia
CT ..... Portugal
CT3 ..... Madeira I.
CU ..... Azores
CX ..... Uruguay
CY9 ..... Sable I.
CY0 ..... St. Paul I.
D2 ..... Angola
D4 ..... Cape Verde
D6 ..... Comoros
DA-DL ..... Fed. Rep. of Germany
DU ..... Philippines
EA ..... Spain
EA6 ..... Balearic Is.
EA8 ..... Canary Is.
EA9 ..... Ceuta & Melilla
EI ..... Ireland
EL ..... Liberia
EP ..... Iran
ET ..... Ethiopia
F ..... France
FG ..... Guadeloupe
FH ..... Mayotte
FK ..... New Caledonia
FM ..... Martinique
FO ..... Fr. Polynesia
FO ..... Clipperton I.
FP ..... St. Pierre & Miquelon
FR ..... Glorioso Is.
FR ..... Juan de Nova, Europa
FR ..... Reunion
FR ..... Tromelin
FS(FG) ..... Saint Martin
FT8W ..... Crozet
FT8X ..... Kerguelen I.
FT8Z ..... Amsterdam & St. Paul Is.
FW ..... Wallis & Futuna Is.
FY ..... Fr. Guiana
G ..... England
GD ..... Isle of Man
GI ..... Northern Ireland
GJ ..... Jersey
GM ..... Scotland
GU ..... Guernsey & Dep.
GW ..... Wales
H4 ..... Solomon Is.
HA,HG ..... Hungary
HB ..... Switzerland
HB0 ..... Liechtenstein
HC ..... Ecuador
HC8 ..... Galapagos Is.
HH ..... Haiti
HI ..... Dominican Rep.
HK ..... Colombia
HK0 ..... Malpelo I.
HK0 ..... San Andres & Providencia
HL ..... Korea
HP ..... Panama
HR ..... Honduras
HS ..... Thailand
HV ..... Vatican
HZ ..... Saudi Arabia
I ..... Italy
IS ..... Sardinia
J2 ..... Djibouti
J3 ..... Grenada
J5 ..... Guinea-Bissau
J6 ..... St. Lucia
J7 ..... Dominica
J8 ..... St. Vincent
JA-JS ..... Japan
JD,KA1 ..... Minami Torishima
JD,KA1 ..... Ogasawara
JT ..... Mongolia
JW ..... Svalbard
JX ..... Jan Mayen
JY ..... Jordan
K,W,N,AA-AK ..... United States
KC4,CE9,DP,FT8Y,3Y,4K1,8J1 Antarctica
KC6 ..... Fed. States of Micronesia
KC6 ..... Rep. of Belau
KG4 ..... Guantanamo Bay
KH1 ..... Baker, Howland Is.
KH2 ..... Guam
KH3 ..... Johnston I.
KH4 ..... Midway I.
KH5 ..... Palmyra, Jarvis Is.
KH5K ..... Kingman Reef
KH6 ..... Hawaii
KH7 ..... Kure Is.
KH8 ..... American Samoa
KH9 ..... Wake Is.
KH0 ..... Mariana Is.
KL7 ..... Alaska
KP1 ..... Navassa Is.
KP2 ..... Virgin Is.
KP4 ..... Puerto Rico
KP5 ..... Desecheo I.
KX6 ..... Marshall Is.
LA ..... Norway
LU ..... Argentina
LX ..... Luxembourg
LZ ..... Bulgaria
OA ..... Peru
OD ..... Lebanon
OE ..... Austria
OH ..... Finland
OH0 ..... Aland Is.
OH0M,OJ0 ..... Market Reef
OK ..... Czechoslovakia
ON ..... Belgium
OX ..... Greenland
OY ..... Faroe Is.
OZ ..... Denmark
P2 ..... Papua New Guinea
PA-PI ..... Netherlands
PJ2,3,4,9,P4 ..... Neth. Antilles
PJ5,6,7,8 ..... St. Maarten
PP-PY ..... Brazil
PY0 ..... Fernando de Noronha
PY0 ..... St. Peter & St. Paul Rocks
PY0 ..... Trindade & Martin Vaz Is.
PZ ..... Surinam
S2 ..... Bangladesh
S7 ..... Seychelles
S9 ..... Sao Tome & Principe
SM ..... Sweden
SP ..... Poland
ST ..... Sudan
ST0 ..... Southern Sudan
SU ..... Egypt
SV ..... Greece
SV ..... Mount Athos
SV5 ..... Dodecanese
SV9 ..... Crete
T2 ..... Tuvalu
T30 ..... W. Kiribati
T31 ..... C. Kiribati

NOVICE, TECHNICIAN, AND GENERAL CLASSES TO START ON SEPTEMBER 11th.

The Delaware-Lehigh Amateur Radio Club code and theory classes will begin on September 11th at the Northampton County Emergency Management Headquarters. Bob Kratz (KU3K) will again lead the group, with other members participating in the instruction.

The only expense for these courses is for course materials: $15.00 for the Novice course and $5.00 for the Technician or General courses.

If you know someone who is interested, let him/her know where, when, and how to get to the location. For other inforamtion, call Bob at 250-9600. <W3PYF>

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WE NEED YOUR HELP!!!

If we are to continue to publish this newsletter, we would like to have more written contributions to the publication. Rather than trying to find materials from outside sources, we are trying to maintain this publication as a local newsletter which, except for ARRL matters, will be written locally, by members of the DLARC. All of us have some special project we are working on, or have an interesting story to tell about something that has happened to us in Amateur Radio that we could write about. Let me hear from you! <W3PYF>

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LETTER FROM THE PRESIDENT

Well, its official! KA3NJR, Janice Pope, and yours truly, are husband and wife. Saturday, July 4, was the big day, and it was exciting and memorable.

I've got the old post-vacation blues! I hope the rest of you had a wonderful July. To those who have vacationed, or will vacationing during the month of August, travel carefully (if you fly, make sure it is in an airplane), and have a good time!

Field day is history. The DLARC had a great turnout for the weekend and our score was very good. We operated Class 3A this year, instead of 4A, due to that "slight shortage" of operators overnight. This year we managed to keep
the three rigs on the air most, if not all, of the 24 hour period. Bless you, each and every one--those who spent the weekend and those who helped set-up and teardown. It was great fun and over much too quickly.

A reminder: Novice, Tech, and General classes will begin September 11. We will try to incorporate code at 5 and 13 words per minute to include Generals. I am looking for a volunteer to help with classes! Anyone interested???

By the way, I honeymooned at Walt Disney World, and was quite excited to find the Disney World Amateur Radio Club, 147.30 repeat.

73's and 88's
KU3K

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DE K3NZ

THE LONG ISLAND DX BULLETIN

ARRL DXCC Countries List

T32 ..... E. Kiribati
T5 ..... Somalia
T7 ..... San Marino
TA ..... Turkey
TF ..... Iceland
TG ..... Guatemala
TI ..... Costa Rica
TI9 ..... Cocos I.
TJ ..... Cameroon
TK ..... Corsica
TL ..... Central African Rep.
TN ..... Congo
TR ..... Gabon
TT ..... Chad
TU ..... Ivory Coast
TY ..... Benin
TZ ..... Mali
UA1,3,4,6,UN1 ..... European R.S.F.S.R.
UA1 ..... Franz Josef Land
UA2 ..... Kaliningrad
UA8,9,0 ..... Asiatic R.F.S.F.R.
UB,UT,UY ..... Ukraine
UC ..... Byelorussia
UD ..... Azerbaijan
UF ..... Georgia
UG ..... Armenia
UH ..... Turkmenistan
UI ..... Uzbekistan
UJ ..... Tadzhikistan
UL ..... Kazakhstan
UM ..... Kirghiz
UO ..... Moldavia
UP ..... Lithuania
UQ ..... Latvia
UR ..... Estonia
V2 ..... Antigua & Barbuda
V3 ..... Belize
V4 ..... St. Kitts & Nevis
V8 ..... Brunei
VE,VO,VY ..... Canada
VK ..... Australia
VK9L ..... Lord Howe I.
VK9M,VK9Z ..... Mellish Reef
VK9N ..... Norfolk I.
VK9W ..... Willis Is.
VK9X ..... Christmas I.
VK9Y ..... Cocos-Keeling I.
VK0 ..... Heard I.
VK0 ..... Macquarie I.
VP2E ..... Anguilla
VP2M ..... Montserrat
VP2V ..... British Virgin Is.
VP5 ..... Turks & Caicos Is.
VP8 ..... Falkland Is.
VP8,LU-Z ..... South Georgia Is.
VP8,LU-Z ..... South Orkney Is.
VP8,LU-Z ..... South Sandwich Is.
VP8,LU-Z,4K1,CX0 ... South Shetland Is.
VP9 ..... Bermuda
VQ9 ..... Chagos
VR6 ..... Pitcairn I.
VS6 ..... Hong Kong
VU ..... India
VU7 ..... Andaman & Nicobar Is.
VU7 ..... Laccadive Is.
XE ..... Mexico
XF4 ..... Revilla Gigedo
XT ..... Burkina Faso
XU ..... Kampuchea
XV ..... Vietnam
XW ..... Laos
XX9 ..... Macao
XZ ..... Burma
Y2-Y9 ..... German Dem. Rep.
YA ..... Afghanistan
YB,YC ..... Indonesia
YI ..... Iraq
YJ ..... Vanuatu
YK ..... Syria
YN ..... Nicaragua
YO ..... Romania
YS ..... El Salvador
YU ..... Yugoslavia
YV ..... Venezuela
YV0 ..... Aves I.
Z2 ..... Zimbabwe
ZA ..... Albania
ZB ..... Gibraltar
ZC4 ..... UK Bases Cyprus
ZD7 ..... St. Helena I.
ZD8 ..... Ascension I.
ZD9 ..... Tristan da Cunha & Gough I.
ZF ..... Cayman Is.
ZK1 ..... No. Cook Is.
ZK1 ..... So. Cook Is.
ZK2 ..... Niue
ZK3 ..... Tokelau Is.
ZL ..... New Zealand
ZL7 ..... Chatham Is.
ZL8 ..... Kermadec Is.
ZL9 ..... Auckland & Campbell Is.
ZP ..... Paraguay
ZS,H5,S4,S8,T4,V9 ..... South Africa
ZS3 ..... Namibia
ZS8 ..... Marion Is.
1A0 ..... Sov. Mil. Order of Malta
1S ..... Spratly Is.
3A ..... Monaco
3B6,7 ..... Agalela & St. Brandon
3B8 ..... Mauritius
3B9 ..... Rodriguez I.
3C ..... Equatorial Guinea
3C0 ..... Pagalu Is.
3D2 ..... Fiji
3D6 ..... Swaziland
3V ..... Tunisia
3X ..... Rep. of Guinea
3Y ..... Bouvet I.
3Y ..... Peter I
4S ..... Sri Lanka
4U ..... ITU Geneva
4U ..... Hq. United Nations
4W ..... Yemen Arab Rep.
4X,4Z ..... Israel
5A ..... Libya
5B ..... Cyprus
5H ..... Tanzania
5N ..... Nigeria
5R ..... Madagascar
5T ..... Mauritania
5U ..... Niger
5V ..... Togo
5W ..... Western Samoa
5X ..... Uganda
5Z ..... Kenya
6W ..... Senegal
6Y ..... Jamaica
7O ..... People's Dem. Rep. of Yemen
7P ..... Lesotho
7Q ..... Malawi
7X ..... Algeria
8P ..... Barbados
8Q ..... Maldive Is.
8R ..... Guyana
9G ..... Ghana
9H ..... Malta
9J ..... Zambia
9K ..... Kuwait
9L ..... Sierra Leone
9M2 ..... West Malaysia
9M6,8 ..... East Malaysia
9N ..... Nepal
9Q ..... Zaire
9U ..... Burundi
9V ..... Singapore
9X ..... Rwanda
9Y ..... Trinidad & Tobago
/AA ..... Abu Ail

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 145.110 W3PYF/rpt.

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The DLARC NEWS is the Official Publication
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1987
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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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THE DELAWARE-LEHIGH AMATEUR RADIO CLUB, INC.

NEWS

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