

GLOUCESTER COUNTY AMATEUR RADIO CLUB, W2MHG

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 SUNSHINE KB2EUA  
 TECHNICAL WA2THL  
 TRAINING/TESTING WA2VOG  
 SPECIAL EVENTS WB2OYQ

CLUB NETS

-----  
 ARES/RACES SUNDAY 20:00 HRS. REPEATERS 147.78-224.66/223/06  
 10 METERS TUESDAY 21:00 HRS. FREQUENCY 28.350 MHZ.

CLUB REPEATERS

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 147.78/18 MHZ. 224.66/223.06 MHZ. 442.100/447.100 MHZ. PL20 OR 3B

CLUB MEETING : FIRST WEDNESDAY OF EACH MONTH AT THE V.F.W. HALL IN  
 WOODBURY, N.J. STARTS 20:00 PM. SHARP.

CROSSTALK CONTRIBUTIONS : SEND TO N2FJO VIA PACKET(WA2VXT-4)145.070 OR  
 (KB2COB-A OR 10)145.070 OR (K2SB)144.950 OR MAIL, DEADLINE IS ONE WEEK  
 BEFORE MEETING.

CLUB SITE MONITORS 147.78/78

OCTOBER 1989

\*\*\*\*\* PRESIDENTS MESSAGE \*\*\*\*\*

THE COOL WEATHER IS APPROACHING, NOW IS THE TIME TO COMPLETE ALL OF THE ANTENNA PROJECTS THAT YOU HAVE BEEN PLANNING ALL YEAR AND DIDN'T COMPLETE. I AM SURE THAT THE CLUB STATION CHAIRPERSON, K2POD HAS ALL OF THE SITE TASKS PLANNED OUT AND READY TO COMPLETE SO PLEASE LEND A HAND WHEN CALLED UPON.

THE NOMINATION COMMITTEE OF PAST PRESIDENTS AND TWO SENIOR MEMBERS OF THE BOARD OF DIRECTORS HAVE MET AND ARE PREPARED TO SUGGEST A NEW SLATE OF OFFICERS FOR THE COMING YEAR. NOMINATIONS WILL BE REQUESTED FROM THE MEMBERSHIP SO PUT ON YOUR THINKING CAPS AND BE HEARD FROM.

YEARLY ACTIVITIES ARE WINDING DOWN. THE MONTH OF OCTOBER BRINGS THE BOY SCOUTS OUT TO THE CLUB STATION FOR THEIR "JAMBOREE OF THE AIR". THIS IS A TWO DAY, WEEK-END EVENT, ENJOYED BY THE BOY SCOUTS AND RADIO OPERATORS. MORE INFORMATION WILL BE FORTHCOMING AT THE MEETING.

I HOPE TO SEE YOU AT THE OCTOBER MEETING. I BELIEVE THAT ERNIE, THE HOUSE COMMITTE CHAIRPERSON HAS A SURPRISE IN STORE FOR YOU.

73'S ED W2GSN

##### PROGRAM #####

OCTOBER PROGRAM WILL BE THE CLUB ANNUAL "BEEF-AND-BEER" NIGHT, ALL ARE WELCOME TO COME OUT AND ENJOY THE TREAT PLUS GET TO KNOW SOME OF THE NEW MEMBERS, AND VISIT OLD FRIENDS. 73 KD2CR

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\*\*\*\*\* TECH TALK MEETING NIGHT \*\*\*\*\*

GREAT NIGHT COMING UP OCTOBER 10TH, 20:00 HOURS LOCAL TIME AT THE CLUB SITE. IN CASE YOU FORGOT THE LOCATION, THE LOCATION, IT'S ONE AND A HALF MILES SOUTH OF MULLICA HILL. SPEAKER FOR THE EVENING WILL BE KN2U, KEN BOZARTH WHO WILL DELIVER PART 2 ON AMPLIFIERS. IF YOU MISSED THE FIRST HALF DON'T LET THE LAST PART GET BY.

SEE YOU AT THE SITE, K2POD CHAS.

\*\*\*\*\* HAPPY BIRTHDAY \*\*\*\*\* HAPPY BIRTHDAY \*\*\*\*\* HAPPY BIRTHDAY \*\*\*\*\*

K2ZA JOHN A ZARURA SR.-----OCTOBER 9----- "Happy Birthday"

\*\*\*\*\* CONGRESS GOSE AHEAD WITH LICENSE FEE PROPOSAL. \*\*\*\*\*

DISCUSSION IN CONGRESS ABOUT POSSIBLE FEES FOR AMATEUR RADIO LICENSES HAVE ALARMED MANY ARRL MEMBERS. THE ARRL POSITION ON LICENSE FEES WAS REPORTED AT MINUTE 83 OF THE JULY BOARD MEETING AND IN ARRL BULLETIN NUMBER 40. UNTIL TODAY, FEES WERE SIMPLY UNDER DISCUSSION IN CONGRESSIONAL COMMITTEES AND THERE WAS NO BILL BEFORE CONGRESS PROPOSING THEM. TODAY, WHILE AMATEURS WERE USING THEIR LICENCES TO PROVIDE EMERGENCY COMMUNICATIONS IN THE WAKE OF HURRICANE HUGO AND OTHERS WERE PREPARING FOR IT TO HIT THE MAINLAND LATER THIS WEEK, A BUDGET BILL CONTAINING A LICENSE FEE PROPOSAL WAS INTRODUCED INTO THE HOUSE AS HR-3299.

ACTION IS EXPECTED IN BOTH HOUSES OF CONGRESS EARLY IN OCTOBER. ARRL MEMBERS WANTING TO EXPRESS AN OPINION ON THE AMATEUR RADIO LICENSE FEE ASPECTS OF HR-3299 WILL WANT TO CONTACT THEIR CONGRESSIONAL REPRESENTIVES WITHOUT DELAY.

TNX - K2UK - BBS

\*==\* MEMORY LANE THIRTY YEARS AGO

THE OCTOBER MEETING OF THE GCARC WAS CALLED TO ORDER BY PRESIDENT TURNER AT 19:05 EST WITH 41 MEMBERS PRESENT ( COMPLETE MEMBERSHIP ).

THE MINUTES OF PREVIOUS MEETING WERE READ AND ACCEPTED.

THE TREASURER'S REPORT, SHOWING A BALANCE OF \$279.05 WAS READ AND ACCEPTED.

IT WAS CONFIRMED THAT THE PROGRAM COMMITTEE CONSISTS OF THE FOLLOWING; DELLA PARKER, HORACE SIMPSON, AND THE DEUBER.

WOOD FRANTZ REQUESTED THAT THOSE INTERESTED IN WORKING ON THE CLUB CONSTRUCTION PROJECT MEET WITH HIM AFTER THE REGULAR MEETING.

THE PRESIDENT ANNOUNCED THAT THE PAPERS ON INCORPORATION HAVE BEEN FILLED AND THAT INCORPORATION IS A MATTER OF WAITING. JOHN KITCHEN IS HANDLING THE APPLICATION AT NO CHARGE.

VAN ANNOUNCED THAT AT THE BOARD OF DIRECTOR'S MEETING A COMMITTEE WAS APPOINTED TO EXPEDITE THE APPLICATION FOR AFFILIATION WITH ARRL.

PRES. TURNER INFORMED THE MEETING THAT THROUGH THE EFFORTS OF MAL MASON, THE SPACE ABOVE THE MEETING ROOM KITCHEN HAS BEEN MADE AVAILABLE FOR USE BY GCARC FOR THE PURPOSE OF INSTALLING A CLUB STATION. ON RECOMMENDATION OF THE BOARD OF DIRECTORS, IT WAS MOVED, SECONDED, AND UNANIMOUSLY VOTED TO ESTABLISH A CLUB STATION (ED:- WE HAVE ONE TODAY, PAY IT A VISIT).

PRES. TURNER THEN DIRECTED MAL MASON TO SELECT A COMMITTEE, WHICH MEL IS THE HEAD, TO ESTABLISH REQUIREMENTS. ALSO, VAN IS LOANING A 500 WATT XMITR. THE PRES. ALSO REQUESTED THE SECRETARY TO FIND OUT THE DETAILS OF OBTAINING A CLUB LICENSE.

JACK LAYTON INTRODUCED MR. JOHN STRUCKELL, WHO EXPLAINED THE PROPOSED TIE-IN BETWEEN THE BROADCASTING AND AMATEUR SERVICE IN THE EVENT OF A MAJOR COMMUNICATIONS EMERGENCY, AND REQUESTED OUR COOPERATION IN THE MATTER.

VAN TURNER INTRODUCED MR. GEORGE VOORHIS, K2JIJ, ANTENNA DESIGN ENGINEER FOR COMMUNICATIONS PRODUCTS COMPANY, WHO DISCUSSED ANTENNAS AND FEED LINES WHICH HIS COMPANY PRODUCES FOR COMMERCIAL SERVICES, AND ANSWERED NUMEROUS QUESTIONS FROM THE FLOOR.

MEETING ADJOURNED AT 20:50 EST.

END OF MEMORY LANE FOR OCTOBER 1959-K2PQD, CHAS.

\*\*\*\*\* INDIVIDUAL INVOLVEMENT \*\*\*\*\*

THIS YEAR THERE WILL BE SEVERAL OPPORTUNITIES FOR ALL OF US TO DO OUR PART AND GIVE SOMETHING BACK TO AMATEUR RADIO.

(1) WE CAN RECOGNISE OUR LEADERSHIP BY NOMINATING QUALIFIED INDIVIDUALS FOR THE ATLANTIC DIVISION HAM OF THE YEAR AWARD PRESENTED AT THE DIVISION CONVENTION IN MAY. THIS YEAR'S WINNER WAS MAYER ZIMMERMAN, W3GXX. ALSO PRESENTED WAS THE OLE MAN OF THE YEAR AWARD TO SIDNEY CHISWELL, W2ICZ.

(2) MOST OF US RECOGNIZE THE NEED TO INCREASE THE NUMBER OF LICENSED AMATEURS. THERE ARE VARIOUS OPTIONS FOR ACCOMPLISHING THIS, BUT IN THE FINAL ANALYSIS, SOMEONE HAS TO EXERT SOME REAL EFFORT AT THE GRASS ROOTS LEVEL. WHO IS THAT "SOMEONE"? THE SIMPLE ANSWER IS ALL OF US WHO ARE ENJOYING THIS WONDERFUL HOBBY. OTHERWISE, IT WILL NEVER HAPPEN!

(3) THIS IS AN ELECTION YEAR FOR THE ATLANTIC DIVISION. ALL LEAGUE MEMBERS ARE URGED TO REVIEW THE QUALIFICATIONS OF THE CANDIDATES AND CAST THEIR BALLOTS LATER THIS YEAR.

\*\*\*\*\* FREE HAM CLASS \*\*\*\*\*

AS EXPECTED THE ARRL SUBMITTED A PETITION FOR RULE MAKING TO THE FCC ON AUGUST 31 SEEKING ESTABLISHMENT OF A CLASS OF AMATEUR RADIO OPERATOR LICENSE NOT REQUIRING A DEMONSTRATION OF PROFICIENCY IN THE INTERNATIONAL MORSE CODE.

THE LEAGUE PROPOSES A NEW SIXTH CLASS COMMUNICATOR LICENSE OFFERING SPECIFIC LIMITED PRIVILEGES ON AMATEUR FREQUENCIES ABOVE 220 MHZ. THE NEXT SET IS FOR THE FCC TO ISSUE A RM (RULE MAKING) AND A PUBLIC NOTICE WILL BE A 30-DAY PERIOD DURING WHICH TIME INTERESTED PERSONS MAY FILE COMMENTS.

AFTER THIS A NPRM (NOTICE OF PROPOSED RULEMAKING) WILL BE ISSUED. WHEN THE FCC ISSUES A NPRM IT WILL REPRESENT THE FCC FIRST CUT AT WHAT THE NO-CODE RULES AND PRIVILEGES SHOULD LOOK LIKE. IN ANY EVENT DON'T EXPECT FAST FINAL ACTION BY THE COMMISSION. RULE MAKING TAKES TIME. EVEN IF THE MATTER IS PUT ON A FAST TRACK FOR DECISION, A NO-CODE LICENSE IS PROBABLY STILL A YEAR OFF.  
TNX-W5YI/K2JF

\*\*\*\*\* HAMFESTS IN THE ATLANTIC DIVISION , ARRL \*\*\*\*\*

THIS WILL BE THE LAST HAMFEST BULLETIN FOR 1989. BULLETINS WILL RESUME IN MID-FEBRUARY, 1990. THE APPLICATION PACKAGE FOR ARRL HAMFEST SANCTION IS AVAILABLE FROM BERNICE DUNN KAIKXQ AT ARRL HEADQUARTERS. IT IS POSSIBLE TO APPLY FOR ARRL SANCTION FOR YOUR 1990 HAMFEST NOW. THERE IS NO FEE FOR ARRL SANCTION. (+) DENOTES ARRL SANCTION

- (+) OCT 8 PACK RATS, WARRINGTON, PA.
- (+) OCT 14 RAGS, SYRACUSE, NY.
- OCT 15 CCARS, CARSLISLE, PA.
- (+) OCT 15 CARA, WEST FRIENDSHIP, MD.
- (+) OCT 22 PENN WIRELESS, BENSLEM, PA.
- (+) OCT 29 RF HILL ARC, SELLERSVILLE, PA.
- (+) NOV 19 WACOM, WASHINGTON, PA.

73 de HUGH TURNBULL W3ABC  
ARRL ATLANTIC DIVISION DIRECTOR

\*\*\*\* FOR SALE \*\*\*\*\* FOR SALE \*\*\*\*\* FOR SALE \*\*\*\*\* FOR SALE \*\*\*\*\* FOR SALE \*\*\*\*\*

- REALISTIC HTX-100 10 METER SSB/CW TRANSCEIVER  
NEW IN BOX \$215
- REALISTIC PRO-34 HANDHELD SCANNER  
200 CHANNELS INCLUDING FULL 800MHZ \$175
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EVENINGS BETWEEN 8-10 P.M.

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73'S HARRY WA2VXT

*Ralph E. Fisher*  
PRESIDENT/GENERAL MANAGER

# DISCOVER US!

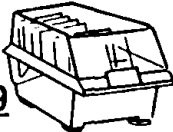
## RIBBONS

|                            |        |
|----------------------------|--------|
| Apple Imagewriter          | \$2.80 |
| Brother HR 15/25(ms)       | \$2.55 |
| Citizen 120D/180D          | \$4.25 |
| Commodore 801              | \$2.80 |
| Diablo Htype II(ms)        | \$1.90 |
| Epson EX 800/1000          | \$6.00 |
| Epson MX,RX,FX-70/80/85    | \$2.70 |
| NEC P2/P6                  | \$4.75 |
| NEC P3/P7                  | \$5.00 |
| Okidata 293/294            | \$8.00 |
| Okidata 182/192/320/321    | \$4.25 |
| Okidata 80/82/S. Gemini 10 | \$1.00 |
| Okidata 84                 | \$3.50 |
| Panasonic KXP-1090/1124    | \$3.50 |
| Star NX/NP/ND-10/NB24-10   | \$4.30 |
| Toshiba 1350/351/341/(HD)  | \$3.50 |

Other ribbons available.

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3 1/2" Disk File  
5 1/4" File - holds 60 Disks.  
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## 29¢ BULK DISKS

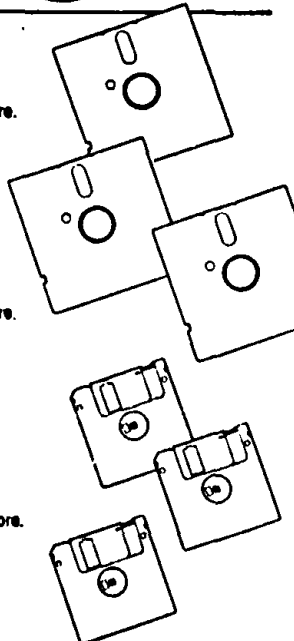
each, 100 or more  
33¢ each, less than 100. 34¢ WHITE BOX available, 100 or more.  
• 5.25 DS/DD, Black - Sleeves - 5 Color Labels w/ Tabs  
IN 17 COLORS ..... 41¢ ea., 100 or more  
(Minimum lot of 20, one color per lot) 45¢ ea., less than 100  
IN 17 COLORS, WHITE BOX ..... 46¢ ea., 100 or more  
(One color of 10 per box) 50¢ ea., less than 100

## 59¢ BULK DISKS

each, 100 or more  
63¢ each, less than 100. 64¢ WHITE BOX available, 100 or more.  
• 5.25 HD/AT, Black - Sleeves - 5 Color Labels w/ Tabs  
IN 8 COLORS ..... 89¢ ea., 100 or more  
(Minimum lot of 20, one color per lot) 94¢ ea., less than 100  
IN 8 COLORS, WHITE BOX ..... 94¢ ea., 100 or more  
(One color of 10 per box) 96¢ ea., less than 100

## \$1.07 BULK DISKS

each, 50 or more  
\$1.11 each, less than 50. \$1.12 WHITE BOX available, 50 or more.  
• 3.5 DS/DD, Blue, Grey & Black - 5 Color Labels  
IN 5 COLORS ..... \$1.28 ea., 50 or more  
(Minimum lot of 10, one color per lot) \$1.32 ea., less than 50  
IN 5 COLORS, WHITE BOX ..... \$1.33 ea., 100 or more  
(One color of 10 per box) \$1.37 ea., less than 100



## CONTINUOUS FORM LABELS

| Size           | Amount   | Reg. Price | Special Price |
|----------------|----------|------------|---------------|
| 2 3/4 x 7/16   | 1 across | 10,000     | \$2.05        |
| 2 3/4 x 7/16   | 4 across | 20,000     | \$2.05        |
| 2 1/2 x 15/16  | 1 across | 5,000      | \$2.40        |
| 2 1/2 x 15/16  | 3 across | 15,000     | \$2.30        |
| 2 3/4 x 2 3/4  | 1 across | 2,500      | \$12.00       |
| 2 3/4 x 1 7/16 | 1 across | 5,000      | \$3.75        |
| 3 x 15/16      | 4 across | 20,000     | \$2.10        |
| 3 3 x 15/16    | 4 across | 20,000     | \$2.15        |
| 3 1/2 x 15/16  | 1 across | 5,000      | \$2.00        |
| 3 1/2 x 15/16  | 2 across | 10,000     | \$2.00        |
| 3 1/2 x 15/16  | 3 across | 15,000     | \$2.00        |
| 3 1/2 x 15/16  | 4 across | 20,000     | \$2.00        |
| 4 x 15/16      | 1 across | 5,000      | \$3.50        |
| 4 x 15/16      | 3 across | 15,000     | \$3.50        |
| 4 x 1 7/16     | 1 across | 5,000      | \$3.55        |
| 4 x 1 7/16     | 3 across | 15,000     | \$3.55        |

Many other sizes available. Call for further information. \*Designed for the 3 1/2" disk. Prices quoted for full boxes only.

Orders less than \$150, add \$4.50 shipping and handling charge, Continental USA only. C.O.D. add \$2.75. Orders over \$150, call for UPS charges. Purchase orders, VISA and MasterCard accepted. All orders F.O.B. Westville, NJ and Fresno, CA. For faster service and delivery, all West Coast orders are shipped from Fresno, CA.

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\*\*\*\*\* FCC EXAMS \*\*\*\*\*

FCC EXAMS, THIRD THURSDAY OF EACH MONTH, 7:00 PM SHARP, BELLMAWR COMMUNITY CENTER, BROWNING RD. AND LEWIS AVE. NO PRE-REGISTRATION IS NECESSARY. FEE \$4.75. MUST BRING ORIGINAL FCC LICENSE AND COPY OF SAME PLUS SOME OTHER FORM OF IDENTIFICATION. WE SUPPLY EVERYTHING ELSE INCLUDING 610 FORMS.

TNX BILL, WA2VOG

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# The Foundation for Amateur Radio



# AMATEUR RADIO NEWS RELEASE

For Immediate Release August 10, 1989

The FOUNDATION FOR AMATEUR RADIO, INC. is pleased to announce the 1989 winners for the thirty-one (31) scholarships which it administers.

- John W. Gore Memorial Scholarship - \$1000  
Douglas S. Claprod, KA2KW - Mt. Morris, NY
- Richard G. Chichester Memorial Scholarship - \$500  
David M. Huika, KD9UA - Kokomo, IN
- Edwin S. Van Deusen Memorial Scholarship - \$750  
James D. Weidon, N1DFQ - Harldborough, MA
- QCYA Memorial Scholarships - \$750 each  
Christophe Galassie, AD9G - Champaign, IL  
Rebecca Beth Knoll, N4JST - Staunton, VA  
Robert M. Fopelia, KA3HE - Belle Vernon, PA  
Colin G. Smith, KB5BSH - Ada, OK  
Diane E. Willemijn, KE6DJ - Cleveland Hts., OH
- QCYA Leo Heyerston Family Living Scholarship - \$750  
Laurie A. Sandell, N2FSO - Larchmont, NY
- QCYA Robert S. Czesap Memorial Scholarship - \$750  
William H. Sands, KA3FXX - Pennsylvania, PA
- Radio Club of America Scholarship - \$750  
William T. Baggett, AA5DF - New Braunfels, TX
- Radio Club of America Scholarships - \$500 each  
William J. Huika, NU9K - Kokomo, IN  
Michael L. Sensor, KD3LR - Erie, PA
- Edmund B. Redington Memorial Scholarship - \$500  
Nathan S. Willingham, KA0UFO - Pawlet, VT
- Young Ladies' Radio League Scholarship - \$750  
Victoria L. Gruen, KA2VHP - Runnemede, NJ



Rose Ellen Bills Memorial Scholarship - \$2000  
Richard H. Kordick, KE6AS - Bridgewater, IA

- Victor C. Clark Memorial Scholarship - \$1000  
Sponsored by the Vienna Wireless Society  
William T. Free, KC3YC - Fairfax, VA
- Frederick Amateur Radio Club Scholarship - \$1000  
Douglas M. Benish, N3CX5 - Pittston, PA
- 10-10 International Net Scholarships - \$750 each  
Patrick W. Jungwirth, W56L - Visalia, CA  
Lesley D. Walker, N4FRJ - Cullman, AL
- WAFAC Memorial Scholarships - \$500 each  
Sponsored by the West Allis Radio Amateur Club  
Douglas Kieaman, KA9LWN - Shawano, WI  
David C. Wright, W9SV0Z - Wausau, WI

These scholarships were open to all Radio Amateurs meeting the qualifications and residence requirements of the various sponsors. The FOUNDATION is a non-profit organization representing fifty clubs in Maryland, the District of Columbia and Northern Virginia. It is devoted exclusively to the scientific, literary and educational pursuits that advance the purposes of the Amateur Radio Service.

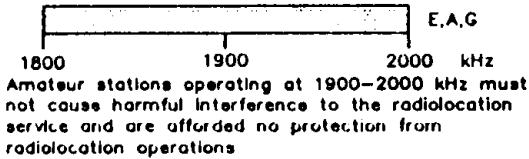
Announcement of the 1990 awards will appear in the April or May issues of the major Amateur Radio publications.

FAR Scholarships  
6903 Rhode Island Avenue  
College Park, MD 20740

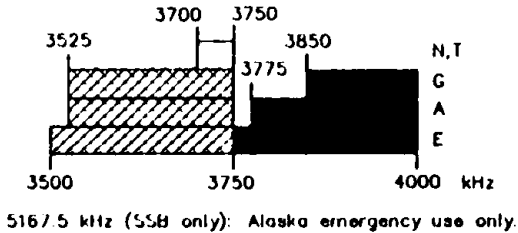
# US AMATEUR BANDS

(Effective January 31, 1989)

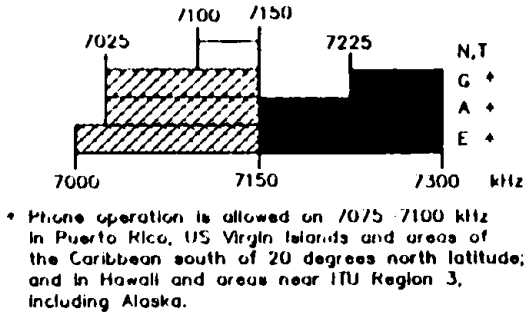
## 160 METERS



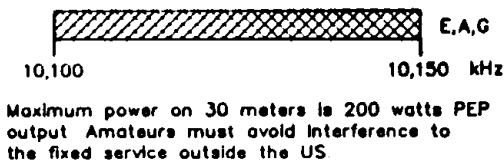
## 80 METERS



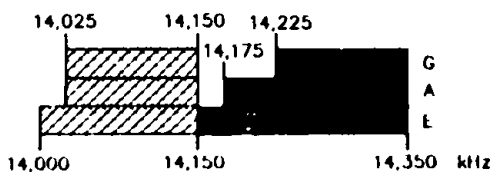
## 40 METERS



## 30 METERS



## 20 METERS

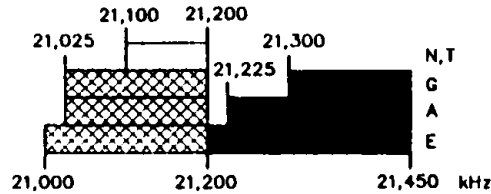


## 17 METERS

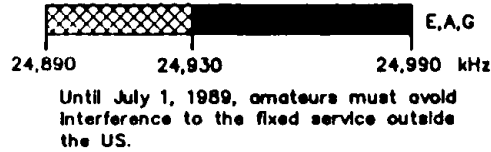


Until July 1, 1989, amateurs must avoid interference to government operations and to the fixed service outside the US

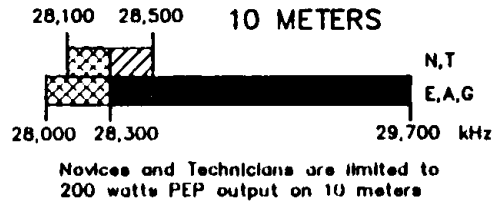
## 15 METERS



## 12 METERS



## 10 METERS



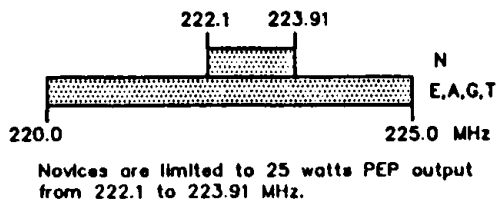
## 6 METERS



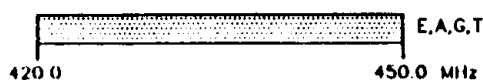
## 2 METERS



## 1.25 METERS



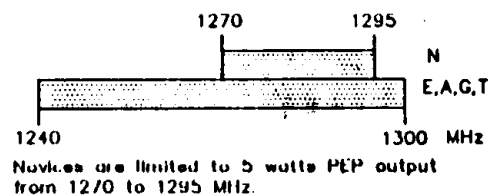
## 70 CENTIMETERS



## 33 CENTIMETERS



## 23 CENTIMETERS



### US AMATEUR POWER LIMITS

At all times, transmitter power should be kept down to that necessary to carry out the desired communications. Power is rated in watts PEP output. Unless otherwise stated, the maximum power output is 1500 W. Power for all license classes is limited to 200 W in the 10,100-10,150 kHz band and in all Novice subbands below 28,100 kHz. Novices and Technicians are restricted to 200 W in the 28,100-28,500 kHz subbands in addition, Novices are restricted to 25 W in the 222.1-223.91 MHz subband and 5 W in the 1270-1295 MHz subband.

Operators with Technician class licenses and above may operate on all bands above 50 MHz. For more detailed information see The FCC Rule Book.

### KEY

- = CW and RTTY
- = CW, Voice, SSTV, FAX, and RTTY
- = CW, Voice, SSTV, and FAX
- = CW and SSB
- = CW only

- E = AMATEUR EXTRA
- A = ADVANCED
- G = GENERAL
- T = TECHNICIAN
- N = NOVICE



ARRL INCOMING DX OSL BUREAU ADDRESSES

|  |  |
|--|--|
| <p><b>First Call Area: All calls</b> —<br/>                 W1 OSL Bureau<br/>                 Mt. Tom Repairer Assoc.<br/>                 Box 216, Forest Park Station<br/>                 Springfield, MA 01108</p>            | <p><b>Fourth Call Area: All calls*</b> —<br/>                 Northern Illinois DX Assn.<br/>                 Box 519<br/>                 Elmhurst, IL 60126</p>  |
| <p><b>Second Call Area: All calls*</b> —<br/>                 ARRL 2nd District OSL<br/>                 Bureau<br/>                 N.J.D.X.A.<br/>                 P.O. Box 599<br/>                 Morris Plains, NJ 07950</p> | <p><b>Zem call Area: All calls*</b> —<br/>                 W0 OSL Bureau<br/>                 Ak-Sar-Ben Radio Club<br/>                 P.O. Box 291<br/>                 Omaha, NE 68101</p>                                       |
| <p><b>Third Call Area: All calls</b> —<br/>                 C-CARS<br/>                 P.O. Box 448<br/>                 New Kingstown, PA 17072-0448</p>   | <p><b>Puerto Rico: All calls*</b> —<br/>                 Radio Club de Puerto Rico<br/>                 P.O. Box 1061<br/>                 San Juan, PR 00902</p>  |
| <p><b>Fourth Call Area: All single-letter prefixes</b> —<br/>                 Mecklenburg Amateur Radio Club<br/>                 P.O. Box DX<br/>                 Charlotte, NC 28220</p>   | <p><b>U.S. Virgin Islands: All calls</b> —<br/>                 Virgin Islands ARC<br/>                 GPO Box 11360<br/>                 Charlotte, Annale<br/>                 Virgin Islands 00801</p>                           |
| <p><b>Fourth Call Area: All two-letter prefixes (AA4, KB4, NC4, WD4, etc.)</b> —<br/>                 Sterling Park Amateur Radio Club<br/>                 Call Box 599<br/>                 Sterling Park, VA 22170</p>          | <p><b>Hawaiian Islands: All calls*</b> —<br/>                 Wayne Jones, NH6GJ<br/>                 P.O. Box 788<br/>                 Wahiawa, HI 96786</p>  |
| <p><b>Fifth Call Area: All calls</b> —<br/>                 ARRL Fifth (5th) District DX OSL Bureau<br/>                 P.O. Box 44246<br/>                 Oklahoma City, OK 73144</p>   | <p><b>Alaska: All calls*</b> —<br/>                 Alaska OSL Bureau<br/>                 4304 Gailford St<br/>                 Anchorage, AK 99503</p>   |
| <p><b>Sixth Call Area: All calls*</b> —<br/>                 ARRL Sixth (6th) District DX OSL Bureau<br/>                 P.O. Box 1460<br/>                 Sun Valley, CA 91352</p>  | <p><b>Guam</b> —<br/>                 MARRC<br/>                 Box 445<br/>                 Agaña, Guam 96910</p>  |
| <p><b>Seventh Call Area: All calls</b> —<br/>                 Williamette Valley DX Club, Inc.<br/>                 P.O. Box 555<br/>                 Portland, OR 97207</p>   | <p><b>SWL</b> —<br/>                 Mike Wilkowski<br/>                 4206 Nebel St.<br/>                 Stevens Point, WI 54481</p>   |
| <p><b>Eighth Call Area: All calls</b> —<br/>                 8th Area OSL Bureau<br/>                 P.O. Box 182165<br/>                 Columbus, OH 43218-2165</p>   | <p><b>QSL cards for Canada may be sent to:</b><br/>                 CRRL DX OSL Bureau Sys-tem<br/>                 Kennebecasis Valley Amateur Radio Club<br/>                 Box 51<br/>                 St. John, NB E2L 3X1</p> |

QSL cards for Canada may also be sent to the individual bureaus.

THE ARRL INCOMING OSL BUREAU SYSTEM

Purpose

Within the US and Canada, the ARRL DX OSL Bureau System is made up of numerous call area bureaus that act as central clearing houses for OSLs arriving from foreign countries. These "incoming" bureaus are staffed by volunteers. The service is free and ARRL membership is not required.

How it Works

Most countries have "outgoing" OSL bureaus that operate in much the same manner as the ARRL Outgoing OSL Service. The member sends his cards to his outgoing bureau where they are packaged and shipped to the appropriate countries. A majority of the DX OSLs are shipped directly to the individual incoming bureaus where volunteers sort the incoming OSLs by the first letter of the call sign suffix. One individual may be assigned the responsibility of handling from one or more letters of the alphabet. Operating costs are funded from ARRL membership dues.

Claiming your OSLs

Send a 5 x 7-1/2 inch self-addressed, stamped envelope (SASE) to the bureau serving your call sign district. Neatly print your call sign in the upper left corner of the envelope. A suggested way to send envelopes is to affix a first class stamp and clip extra postage to the envelope. Then, if you receive more than 1 oz. of cards, they can be sent in the single package.

Some incoming bureaus sell envelopes or postage credits in addition to the normal SASE handling. They provide the proper envelope and postage upon the prepayment of a certain fee. The exact arrangements can be obtained by sending your inquiry with an SASE to your area bureau. A list of bureaus appears below.

Helpful Hints

2nd cooperation between the DXer and the bureau is important to ensure a smooth flow of cards. Remember that the people who work in the area OSL bureaus are volunteers. They are giving you what is a valuable service. With that thought in mind, please pay close attention to the following DOs and DON'Ts:

DOs

- To keep self-addressed 5 x 7-1/2 envelopes on file at your bureau, with your call in the upper left corner, and affix at least one unit of first class postage.
- Do send the bureau enough postage to cover envelopes on file and enough to take care of possible postage rate increases.
- Do respond quickly to any bureau request for envelopes, stamps or money. Unclaimed card backups are the bureau's biggest problem.
- Do notify the bureau of your new call as you upgrade. Please send envelopes with new call, in addition to envelopes with old call.
- Do include an SASE with any information request to the bureau.
- Do notify the bureau in writing if you don't want your cards.

DON'Ts

- Don't expect DX cards to arrive for several months after the QSO. Overseas delivery is very slow. Many cards coming from overseas bureaus are over a year old.
- Don't send your outgoing DX cards to your call-area bureau.
- Don't send envelopes to your "portable" bureau. For example, AA2Z1 sends envelopes to the W2 bureau, not the W1 bureau.



# THE ARRL OUTGOING QSL BUREAU SYSTEM



One of the greatest bargains of League membership is being able to use the ARRL Outgoing QSL Bureau to conveniently send your DX QSL cards overseas to foreign QSL bureaus. Your label for using this service is your QST address label and just \$2.00 per pound. For those not quite so DX active (sending 10 cards or less), enclose \$1.00. You can't even get a deal like that at your local warehouse superstore! And the price of the savings over the substantial cost of individual QSLing is equal to many times the price of your annual dues. Your cards are sorted promptly by the Outgoing Bureau staff, and cards are on their way overseas usually within a week of arrival at ARRL HQ. Approximately two million cards are handled by the Bureau each year!

QSL cards are shipped to QSL bureaus throughout the world, which are typically maintained by the national Amateur Radio Society of each country. While no cards are sent to individuals or individual QSL managers, keep in mind that what you might lose in speed is more than made up in the convenience and savings of not having to address and mail QSL cards separately. (In the case of DXpeditions and on active DX stations that use QSL managers, a better approach is to QSL directly to the QSL manager. The various DX newsletters, the W6GO QSL manager directory, and other publications, are good sources of up-to-date QSL manager information.)

As postage costs become increasingly prohibitive, don't go broke before you're even halfway towards making DXCC. There's a better and cheaper way - "QSL Via BURO" through the ARRL Outgoing QSL Bureau!

## How To Use The ARRL Outgoing QSL Service

- 1) Present your DX QSLs alphabetically by call-sign prefix (AP, CG, CE, DL, F, G, JA, LU, PV, SN, 9Y and so on).
- 2) Enclose the address label from your current copy of QST. The label shows that you are a current ARRL member.
- 3) Enclose payment of \$2.00 per each pound of cards - approximately 150 cards weigh one pound. A check-amount of ten (10) cards or less costs only \$1.00. Please pay by check (or money order) and write your call sign on the check. Send "green stamps" (cash) at your own risk.
- 4) Include only the cards, address label and check in the package. Wrap the package securely and address it to the ARRL Outgoing QSL Service, 225 Main Street, Newington CT 06111.
- 5) Family members may also use the service by enclosing their QSLs with those of the primary member. Include the appropriate fee with each individual's cards and indicate family membership.
- 6) Buro members who do not receive QST need only include the appropriate fee along with a note indicating the cards are from a third member.
- 7) ARRL affiliated club stations may use the service when submitting club QSLs by indicating the club name. Club secretaries should check affiliation papers to ensure that affiliation is current. In addition to sending club station QSLs through this service, affiliated clubs may also "pick" their members' individual QSL cards to effect an even greater savings. Each club member using this service must also be a League member. Cards should be sorted "en masse" by prefix, and a QST label enclosed for each ARRL member.

## Recommended QSL-Card Dimensions

The efficient operation of the worldwide system of QSL bureaus requires that cards be easy to handle and sort. Cards of unusual dimensions, either much larger or much smaller than normal, slow the work of the bureaus, most of which is done by unpaid volunteers. A review of the cards received by the ARRL Outgoing QSL Bureau indicates that most fall in the following range: Height = 2.34" (4.1/4" in, 70 to 110 mm), Width = 4.3/4 to 6.1/4 in. (120 to 160 mm). Cards in this range can be easily sorted, stacked and packaged. Cards outside this range create problems; in particular, the larger cards often cannot be handled without folding or otherwise damaging them. In the interest of efficient operation of the worldwide QSL bureau system, it is recommended that cards entering the system be limited to the range of dimensions given. (Note: IARU Region 2 has suggested the following dimensions as optimum: Height 3-1/2 in. (90 mm), Width 5-1/2 in. (140 mm).)

## Countries Not Served by the Outgoing QSL Bureau

Approximately 270 DXCC countries are served by the ARRL Outgoing QSL Bureau, as shown in the ARRL QSL Card Index List. This includes virtually every active country. As noted previously, cards are forwarded from the ARRL Outgoing Bureau to a counterpart bureau in each of these countries. In some cases, there is no bureau in a particular country and cards therefore cannot be forwarded. For this reason, the ARRL Outgoing Bureau cannot forward cards to the following countries:

|      |                           |     |                   |
|------|---------------------------|-----|-------------------|
| V5   | Rhunan                    | VN6 | Parvati Island    |
| A6   | United Arab Emirates      | X1  | Rerung (Taru)     |
| A7   | Qatar                     | XU  | Kampuchea         |
| AV   | Taiwan                    | XV  | Lesos             |
| AV   | Mozambique                | XX9 | Malaco            |
| CB   | Comoros                   | XZ  | Burma             |
| ET   | Ethiopia                  | VA  | Algeria           |
| HZ   | Saudi Arabia              | ZA  | Albania           |
| JS   | Ghana-Bissau              | ZD7 | St. Helena        |
| KC4  | U.S. bases in Antarctica  | ZD9 | Trialan da Curtin |
| KC6  | Rebu                      | ZK3 | Taiwan            |
| KCE  | Victoria                  | 3C  | Equatorial Guinea |
| KH1  | Bayer and Howland Is      | 3V  | Tunisia           |
| KU3  | Johnson I.                | 3W  | Vietnam           |
| KU5  | Farmuz and Jarvis Is      | 3X  | Gulfes            |
| KU7  | Kure I.                   | 4W  | North Yemen       |
| KU9  | Wake I.                   | 5A  | Libya             |
| KP1  | Narassai I.               | 5H  | Tanzania          |
| KP5  | Deschanel I.              | 5R  | Macagascar        |
| PS   | North Korea               | 5U  | Niger             |
| S9   | Sao Tome and Principe     | 5X  | Uganda            |
| T2   | Turvalu                   | 7O  | South Yemen       |
| T3   | Karboai                   | 7O  | Madawi            |
| T5   | Somalia                   | 8C  | Madives           |
| TJ   | Cameroon                  | 9C  | Ghana             |
| TL   | Central African Republic  | 9N  | Nepal             |
| TN   | Congo                     | 9U  | Burundi           |
| TT   | Chad                      |     |                   |
| TV   | Bermi                     |     |                   |
| TZ   | Mail                      |     |                   |
| V4   | St. Christopher and Nevis |     |                   |
| VF-2 | Anguilla                  |     |                   |

Note: The ARRL QSL Service should not be used to exchange QSL cards within the 48 contiguous states.

KAY CRAIGIE KC3LM

Candidate for Vice Director  
Atlantic Division ARRL

My record of service as Eastern Pennsylvania Section Manager:

Accessibility: Frequent visits to club meetings and hamfests. Active operator on HF and VHF.

Responsibility: Effective attention to membership problems and suggestions. Chaired Amateur Radio Session at IEEE 1988 International Conference on Communications. Served on Rochester Hamfest Awards Committee.

Innovation: Created regional Assistant Section Managers so all areas are represented. Started packet news bulletins, monthly VE test bulletins. Sponsored Novice/Tech plaque in Pennsylvania QSO Party.

Development: Supported revitalized Skywarn program. Recruited more Affiliated Clubs and Special Service Clubs. Emphasized recognition for volunteers.

Communication: Edited EPA FEEDLINE Section newsletter. Conducted "Section Manager's Perspective" column in APRL HQ's "Section Leader" newsletter. Helped Director circulate Division packet bulletins.

These themes will be carried into the future. Through Division Cabinet meetings, personal contacts, and a variety of operating activities, I have developed a perspective on the interests of our Division's diverse Amateur community.

Other activities: Extra class license; Life Member ARRL. VAS, MAC-CV, DXCC. Mid-Atlantic ARC VE team captain, newsletter editor, board member for public relations. Taught Novice and Technician courses. Article on computer-generated Novice theory tests, June '84 QST. JRM/CZ rep to NIS Section net. Member AMSAT, YLRL, Radio Club of America. Chester County winner in Pennsylvania QSO party, 1985 and 1988.

1988 Atlantic Division "Amateur of the Year."

Personal background: Ph.D., University of Pennsylvania; nondegree study in computer science and business administration, formerly on faculty of University of Maryland and Cabrini College, also educational data processing experience. Husband (K3JAO, father K03NI).

For our Division...

"LEADERSHIP THAT WORKS"

MEMBER CORRESPONDENCE  
AMATEUR RADIO NATIONAL RESOURCE

Dear Fellow Amateur,

I'm writing to ask for your support of my candidacy for Vice Director in the Atlantic Division of ARRL.

Since 1986, I have been ARRL Section Manager for Eastern Pennsylvania. During that time, I have met many Amateurs from Southern New Jersey at hamfests and other events. Your Section Manager and I have exchanged viewpoints and information about ARRL programs and services, to our mutual benefit. A few years ago, when Hurricane Gloria was coming up the coast aimed straight at you, my Section Emergency Coordinator and I stayed up all night reading the RTTY out of Miami and touching base with the emergency nets -- ready to put Eastern PA into action if New Jersey were clobbered. As you know, the worst didn't happen. Still, we were ready, as was every you would be ready if a disaster were threatening Eastern PA.

In other words, I didn't begin paying attention to Amateur Radio in Southern New Jersey on the day I decided to run for Vice Director.

Now, it's time for us to choose the people from our Division who will lead ARRL into the 1990's and towards the new century.

It's important for all League members to take this election seriously and VOTE.

I have an outstanding Director in Hugh Turnbull W3JZC. I strongly support his re-election as Director, because he has a long proven track record of service to us and has the leadership experience we need and expect.

In asking for your support, I pledge to Southern New Jersey's ARRL members, and all the League members in the Division, what I have always given to Eastern Pennsylvania: Leadership That Works.

73,

*Kay*

Kay Craigie KC3LM

*Enjoyed visiting your recent hamfest!*

5335 Manor Lane  
Pottsville, PA 19301  
(215) 903-9623

"Printing expense card by KC3LM"

MEMBER CORRESPONDENCE  
AMATEUR RADIO NATIONAL RESOURCE

# OCTOBER

1989

SUN

MON

TUE

WED

THU

FRI

SAT

|   |    |   |   |   |    |    |
|---|----|---|---|---|----|----|
| 1<br>G.C.A.R.C.<br>RULES / RULES<br>NET<br>107.70/10 RPT<br>2000 PM | 2  | 3<br>G.C.A.R.C.<br>10 METER NET<br>2100 PM<br>29.250 MHz<br>UCP | 4<br>G.C.A.R.C.<br>MEMBERSHIP<br>MEETING<br>2000 PM | 5   | 6  | 7  |
| 8<br>G.C.A.R.C.<br>RULES / RULES<br>NET                             | 9  | 10<br>10 METER NET  | 11<br>BOARD OF<br>DIRECTORS<br>MEETING              | 12  | 13 | 14 |
| 15<br>G.C.A.R.C.<br>RULES / RULES<br>NET                            | 16 | 17<br>10 METER NET  | 18<br>DEADLINE<br>FOR<br>CROSSTALK                  | 19<br>FCC<br>EXAMIS<br>PFL MAJOR<br>COMMUNITY<br>CENTER<br>DELLMAWR, NJ,<br>1900 PM | 20 | 21 |
| 22<br>G.C.A.R.C.<br>RULES / RULES<br>NET                            | 23 | 24<br>10 METER NET  | 25  | 26  | 27 | 28 |
| 29<br>G.C.A.R.C.<br>RULES / RULES<br>NET                            | 30 | 31<br>10 METER NET  |   |   |    |    |

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