

CROSS TALK

Published by And for The

* GLOUCESTER COUNTY AMATEUR RADIO CLUB, W2MMD *

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1981

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Contests:	Herb Schuler, K2HPV	House:	Jim Bray, N2AK1
Hamfest:	Harry Jackson, WB2GSF	Historian:	Della Parker, W2AFZ
Field Day:			

Crosstalk Staff

Doug Gehring, WA2NPD, Editor
Doris Bachman, Typist
Jack Kessel, AB2W, Printer
Roslyn Marder, N2AAL

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Club Nets

2 Meter RTTY Nets: Thursday, 8:00 PM, 147.54

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The Gloucester County Amateur Radio Club meets the first Wednesday of each month at the American Legion Hall in Franklinville. Meetings begin promptly at 8:00 PM.

Please send any contributions for CROSS TALK to Doug Gehring, WA2NPD,

President's Message, de KE2M

The March General Club Meeting will be held on the 4th, at the American Legion Hall in Franklinville, with the usual 8:00 PM start.

The program portion of the meeting will begin with an auction to sell radio equipment donated to the club by WA2TQ1, Bill Horlock. (Come out early and help us unload the truck!) If time allows, the auction will be followed with a movie highlighting the Amateur Radio Relay League's Station W1AW.

Remember, this is the last opportunity to pay \$7.50 for your yearly dues! After March you must pay the full \$9.00.

The tentative Hamfest date for 1981 is Sunday, August 30th. Please keep that day open. Harry, WB2JSE, and the Hamfest Committee will be looking for additional volunteers. The date of the first Hamfest meeting will be announced shortly.

Field Day 1981, June 27 & 28: Field Day already? Well, Spring is just around the corner (it's hard to say that as I sit here a day before my yearly trek north to Vermont for you know what), and it's not too late to start thinking and planning for that last weekend in June.

The March Board of Directors' Meeting will be held on the 18th at the home of your president

See you at the meeting.

"Think snow," de KE2M
Tom

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White Elephant Sale - March Meeting

Due to a generous gift by WA2TQ1, Bill Horlock, the club is sponsoring a sale with donations to be forwarded to the club's treasury. Be sure to be at the March Club Meeting! Among the items being offered for sale are: 75 ohm SWR bridge; 6 meter tran & rcvf; power supplies; counters; transformers; Motorola mobiles; TV camera, much more!!

de KN2QWU

1981 GCARC Hamfest

Fellow club members, it's almost that time of year again. We can never start too early preparing for our annual HAMFEST. This year as in the past we need many volunteers to form the various committees and work forces that will make our HAMFEST a success. Your help is urgently needed! You can start by volunteering your services now, by giving me a landline or a call on 7/8/80. There will also be a sign up sheet at the club meeting, or you can give your name to any club officer or director. Let's keep our streak going, by making this HAMFEST even more of a success than our previous successes.

73

Harry Jackson, WB2JSE
Hamfest Chairman,

FOR SALE

Swan SB200-external speaker, external mike, phone patch, antenna tuner and Ameco preamp. Asking \$400 but will take best offer. Call Greg Greenberg

HW100 w Spkr; Ameco PreAmp & AC Supply, cables, manuals, and spare 6146's \$250.00. Contact Steve, W2TDS,

Kenwood TS-700A 2 meter (FM, AM, SSB, CW) transceiver; mint cond. \$400.00
Tower, 40' Aluminum, 4-10 ft. nested sections, 9 ft² load, wt. - 75 lbs. \$200.
Contact Gary, W9JFK,

Yaesu radios

an FT-221 base station and manuals, with microphone and antenna, and an FT-227R mobile with manual and microphone. Both for \$800.00 or best offer. Please call Greg Woodring,

GCARC PRESENTS PLAQUE TO W3SW

Connie Mac, W3SW, was honored by GCARC at the January meeting for his many years of service to amateur radio and as the retiring Atlantic Division Director. Also in attendance were Hugh Turnbull, W3ABC, and Jesse Bieberman, W3KT who are the current Vice Director and Director respectively. All three Directors spoke to the club and the members were very happy to welcome them. Also present was a representation from the Salem county club and we were happy to see them.

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UPDATE - GCARC DXCC LIST

I will accept your latest DXCC totals via telephone. 2M FM (144.93) or at the March club meeting.

For the uninitiated, I need your name, call and two figures: DXCC countries verified and DXCC countries worked - both to include deleted countries.

Our first list printed in Nov. issue contained 8DXER's totals. All members holding the DXCC certificate are eligible for this club listing.

To hold your interest we will print twice a year. Call me - we will shoot for the May issue.

de Shorty, W2SUA

ATTENTION, ATTENTION, ATTENTION!!

How about this!! The Big DVRA "Flea Market" on Sunday, March 15th (rain or shine) from 8AM to 4PM. Location: N. J. National Guard Armory, Eggerts Crossing Rd., Lawrenceville, N.J. Talk-in: 146.0767, or 52 Simplex; FCC exams; Prizes: ICON IC2AT, Freq. Counter, Bearcat Scanner; \$2.00 advance, \$2.50 gate, Tailgates \$4.00 (bring ur own table). See KD2T at March meeting for tickets. (Please don't mob me, line up one at a time, TNX).

CONTEST CORNER

The ARRL VHF Sweepstakes was a fairly popular contest this year with 10 logs turned in to the committee giving the club a total of 51,518 contest points. Even with that we fell short of our club performance for the two previous years unless some logs went directly to ARRL without advising the Committee. Even if you send your logs directly to the contest sponsor, the committee would appreciate even just a phone call advising us of your claimed score.

There are just three more contest weekends in the 1981 season, as follows:

ARRL INTERNATIONAL DX - Phone	March 7 & 8
CQ WORLDWIDE WPX - Phone	March 28 & 29
CQ WORLDWIDE WPX - CW	May 30 & 31.

There was a fair amount of activity for the Two Land QSO Party, but it didn't seem as active as in previous years. With five other contests on the same weekend, maybe a date change should be considered.

The contest season is sure going by quickly, but as of this writing, the W2SUA International DX Contest Trophy is still up for grabs. A relatively new contestant, N2BCF Tim, may give the pro's a run for their money. And, of course, a previous winner WA2NPD, Doug, is back in town. The one to watch is W2YC, Dave, who turned in the highest scores this year in both the CW and phone portions of the CW Worldwide DX Contest. I haven't heard, but if W2SUA gets off the couch for the phone weekend and AA2Z sneaks into town for the CW portion, Dave might have some real competition. In the meantime, practice is what it takes to become a top scorer in any contest - wishing won't do it, etc. etc.

As an added incentive, this year the club will present certificates to the five members who turn in the highest overall raw scores for the 1980-1981 Contest Season. The standings could change a lot between now and the end of the season.

73

Herb - K2HPV

THE CORDLESS TELEPHONE

K2JF

As if we didn't have enough RFI problems, CORDLESS TELEPHONES are now becoming a popular "play-toy" for many of our citizens. Just what are "Cordless Telephones?"

A minimum cordless telephone system consists of a fixed-location base station that connects to both the AC line and standard telephone line, plus a battery-powered portable remote phone. Most cordless phones have about the same operating range, averaging 300 to 400 feet. The frequencies most often used today are 1.7 and 49 MHz (to put it more in the Amateur radio operator's terms).

The base station is a transceiver which operates off of house voltage and is connected into your telephone line via the standard telephone four-pin plug. The remote unit is a battery operated "Hand-Held."

The least expensive units work simplex on 49 MHz, and some may originate calls while others "answer only." The more expensive units can become quite elaborate. They are duplex (working 1.7/49 MHz), have contained ringing (buzzer), and may originate and answer telephone calls; also, they may be used as an intercom. For an analogy, the IC-2AT Hand-Held approaches the idea.

There are at present seven major suppliers of these units with Radio Shack being one of the top three suppliers. The input sensitivity of the base station approaches 0.5 microvolts and is as "WIDE AS A BARN DOOR." What does this mean to you? If you are going to be one of the lucky ones who live next to, within 500 feet, of a person who owns one of these units, and you have the capability of 25 watts or more on 6 and 2 meters, and or 100 watts or more on 1.8 to 30 MHz....Good luck!

ITEMS OF INTEREST DEPT. (THX TO KE2M)

New novice licenses were up 16.9 percent in October compared to last year's figures, continuing a trend that began in early summer. Total of all classes was 380,547 at the end of October, up more than 5 percent over year ago figures. Totals by class are now: Novice, 71,659; Technician, 70,018; General, 124,170; Advanced, 88,556 and Extra, 26,144.

CB is continuing to drop, with fewer than 10 percent of the present licensees bothering to renew. Fewer than 60,000 applications were received in October, when 269,245 licenses expired and only 27,437 new licenses were added.

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600 DX documentation has still not been received by ARRL's DXCC desk. Until acceptable documentation is received no credit can be given for DXCC. Latest word is that VK4NIC/3X has been documented.

G3JKI/5A has submitted some information to the ARRL, but has been asked to provide some additional support items. Geoff watts reports G3JKI/5A's QSL Manager r6CYL, still awaits the logs.

The ZALZL who's been active from time to time is apparently in Milan, according to Italian amateurs who've been fox hunting.

6 meters continues to remain lively, despite the end-of-year byrations in the solar flux. Domestic openings, principally sporadic E but occasionally backscatter, have been an almost daily occurrence, and the more active Latin American 6-meter stations such as HCLBI, DL3ZM/YV5, BR6AX, and TI2HL have been working into the U.S. and Canada frequently. The transatlantic path has also remained good, with many 10-6 meter crossband contacts logged.

Several PA0 S showed up on 6 Dec. 27, claiming they now have an OK to work the band, and the EI S have been into the East Coast and Midwest on a number of days. Both the DL3ZM/YV5 and FY7 beacons were heard in Europe several times around Christmas, and New Year's Day saw a seven-hour sporadic E opening through much of the U.S. and Canada.

I5TDJ has now received another OK to extend his 6-meter operation for at least several months more. Thanks Smirk. (Note) GCARC's own WB2LNR, Ray is almost there, was on 6!!

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ELECTRONIC WORLD - now open! A new store recently opened in the K-Mart Shopping Center (Mantua) whose proprietor is none other than Ted, the harmonic of Jim, W2LVW. Incidentally, Jim recently retired from his Radio Shack and we wish him all the best in his leisure years. "ELECTRONIC WORLD" has mucho ham gear of interest (tubes, components, etc.) which you will want to check out.

PROPAGATION FORECAST

FOR MARCH 1981

Well February was very good to most of you people from a propagation standpoint. Six went of its's mind a couple of times with both F-2 (T-E) to South America and Aurora. Some real hot stuff on the lower bands also. Well we can expect very good propagation in March.. We are at the Vernal equinox time. As I have said befofe this is the time when the North and South hemispheres are about equal. The ionosphere is not highly disturbed and the Wave-guide affect is operating with good consistancy. Hope you all had a good time on the 2 Land QSO Parth and on the ARRL DX CW party. It looks like W2YC is the big scorer. Well you pnone boys have this month to look forward to your big one on March 7-8, ARRL DX Phone contest and Bob (KN2QW0) your big one expects to be a good one this time March 28-29 CQ WW WPX SSB. We hope to be in Orlando from the 11 to the 18 (maybe longer). and attend the ARRL Convention. I guess I have a big enough badge.to represent the club.

OK HERE GOES ALL TIMES PITMAN TIME.

160
 Last Time till October
 EUROPE 2100 - 0000
 Middle East 2000 - 2200
 So. Pacific 0300 - 0500
 Australasia 2100 - 0200 (Good Days)

80
 Europe 1900 - 0100
 Africa 2300 - 0100
 So. Pacific New Zeal 0300 - 0500
 Caribbean, So. Amer 2000 - -300

40
 Europe 1800 - 0300
 USSR 2000 - 2200
 Africa 2000 - 0200
 So. Pacific New Zeal. 0200 - 0700
 Caribbean So. Amer. 1900 - 0500
 West So Amer. 0000 - 0300

20
 Europe Not good 2200 - 0300
 USSR Not Good 0800 - 1800
 Mediterranean Not Good 0200 - 1400
 Africa Not Good 0300 - 0500
 Asia Not so good this month
 Far East 2200 - 0000
 So Pacific New Zeal. Not good 1000 - 2000
 Australasia 0700 - 0900
 Caribbean ANYTIME
 McMurdo 2100 - 0400

15

Europe	Not Good 0600 - 0700
USSR	1000 - 1300
Africa	0700 - 1800
Far East	1700 - 1900
So Pacific New Zeal.	1800 - 2100
Australasia	1800 - 2000
Caribbean	Not good 2200 - 0700
McMurdo	1800 - 2100

10

Europe	1000 - 1200
Africa	0800 - 1700
So. Pacific New Zeal.	1700 - 1900
Australasia	1600 - 2000
Caribbean	1000 - 1700
McMurdo	1600 - 1900 Good Days

6

Solar activity is still high to permit a few afternoon openings. We are heading into a time of increase wide spread auroral activity so keep a sharp ear open Ray. The 12th and 18th look like "hot" days for six and two. The 7th and 8th look like high F-2, so look for skip.

H.F. GOOD DAYS: 1, 7*, 8*, 24, 26 - 29*
V.H.F. GOOD DAYS 7*, 8*, 12*, 18*, 27, 29
* Extra Good

GODD NEWS: 220 has been spared again. The IWCS was told NO. I guess this means the "Cordless-Phone" battle may also be over. We will keep an eye open. Region I of IARU meeting end of April, from this meeting the new 10 MHz band could come ready as 1982, but for the 18 and 24 MHz bands - look to 1986 or 90. If you want to reply to the 40 meter Phone band expansion RM-3831 was just filed. The IRAC has cleared 160 meters for U.S. Amateurs. Now it is up the FCC to ok our use of the band now that Loran has gone. NOT TOO MUCH TVI If you live in the Soviet Union or Asia where 75% of the worlds 4.5 billion people live, the average person will never own a television set or a telephone, so be thankful. FCC moves: Look for more action to move the Personal Radio to 900 MHz. Going to YU land ?OK reciprocal licensing now exists. For you young fellows; the demand for new Computer Science and Computer Engineers is up to 30 % over 1980, starting salaries with B.S degrees \$20,000, with M.A. 5 to 7 more.

"Great Spirit, help me never to judge another until I have walked in his moccasins for two weeks."

SIoux INDIAN PRAYER

OK that is that for the month of March..... Good luck and Good Health

73

Joh 
K2JF1