

CROSSTALK

Published By And For The

* GLOUCESTER COUNTY AMATEUR RADIO CLUB, W2MMD *

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Field Day:		Club License:	Rose Ellen Bills, N2RE
		VHF:	Ray Martin, WB2LNR

Crosstalk Staff

Doug Gehring, WA2NPD, Editor	Bill Bachman, WA2VEE, Printer
Doris Bachman, Typist	Roslyn Marder, N2AKL, Circulation

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Club Nets

2 Meter RTTY Net: Monday, 8:00 P.M. 147.54
ARES Net: Sunday, 8:00 P.M., 147.78/18

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 P.M.

Please send any contributions for CROSSTALK to Doug Gehring, WA2NPD,

President's Message - March '82

Fellow club members, it gives me great pleasure to inform you of the progress of Ken Newman, N2CQ. Ken is now home, and I understand he is feeling and doing much better. Continued success on your road to recovery and our blessings go with you Ken.

Also on the brighter side, it again gives me great pleasure to announce Ray Martin, WB2LNR, will be our Hamfest Chairman for this year. Congratulations Ray, I know you'll have the full support of the Club in the exercising of your new position. Let's have another banner year for the GCARC Hamfest.

There's nothing too much more to add, except to inform you of the program for the March General Meeting. Before I do let me say that our program chairman, Peter Bent, N2CME, is doing a wonderful job for us. If there is some activity or speaker you'd like to have at one of our meetings give Pete or anyone of the Club officers a call. If it can be arranged I know he'd be happy to set it up.

For our March program we have invited Don A. McClure, KB2E, who is a Principal Member of the Engineering Staff at RCA, and will be speaking on the topic of Semiconductor Amplifiers as they pertain to amateur radio. Sounds like an interesting program.

Hope to see all of you there.

73, de Harry O, WB2GSF

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KB2GI Appointed Director

President Jackson announced the appointment of Tom, KB2GI, as Club Director to fill the unexpired term of K2JF. Tom has been an active member participant for several years and we pledge Tom all our support in his new position.

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N2CQ Improving

We are pleased to report that, as of this writing, Ken, N2CQ, is making excellent progress in his recovery from a stroke suffered last month. In fact, he recently wrote a "dupe sheet" program into his new TRS-80 in preparation for FD. Ken thanks everyone for their inquiries, cards, and concerns.

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Congratulations to:

Ray, WB2LNR, who recently received his WAS certificate for WAS'ing on 6 meters!!

George, KB2GW, who just got his DXCC certificate. Welcome to the GCARC DX fold, George!

Harry, WA2SEA, our SEC who presented a very fine and comprehensive program on the ARES at last month's meeting. All should make a note that the GC ARES alerting frequency is: 147.495 mc.

WA2NPD, who, after 21 years as a ham, finally received a QSL card from Zone 19 (Hi).

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Bike-A-Thon

It is set for July 25th (a Sunday). Many tnx to Chuck, WA2TML, and Harry, WA2VXT, for co-chairing the event together with WBLAOF. Sign-up with any of these guys, we need ur help.

DA'S & DIT'S

WA2ZND - Ho hum! Times have changed - babysitting is now a dual job.

That's what GCARC is all about sez WA2SIT - he had trouble with his mike - Club member assisted - result, perfect operation.

Whenever WB2ONS and WB1AOF engage in a fast speech contest, - beware - bring an umbrella.

At this writing, we understand that K2HPV will have become a country gentleman - retired. Good luck and enjoy.

We believe that WB2DVB will be taking an extended trip to the Land of the Rising Sun very shortly. Have fun - good luck.

It's a rare occasion for them - WA2VQG and WA2DYO - when they hold a confab over donuts and coffee without the presence of Mr. Miller.

N2CME - hope you finished painting the inside of the house by now.

W2SUA is an expert marksman - our own William Tell. He can hit a bulls-eye twenty five yards away blindfolded.

Did anyone who is proficient in DX make contact with K2ZA when he spent sometime in Libya?

KA2KMR is becoming a regular check-in on the two meter Sunday night net.

WA2VEE is one of the Club's super stars on DX, and will be glad to furnish information on contacts.

KISSING THREE WOMEN IN LOVE - now I know why he became the recipient of the Service Trophy Award.

de "the Eavesdropper"

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Novice Class Completed

Chick, WA2USI, reports the Club Novice Class has been completed for this year. Many congratulations to the nine successful graduates. Hope u will consider furthering ur education by joining GCARC. Also, a continuation of the class is expected to get underway towards the end of March leading towards Tech, and/or General. Hope many will consider this. C Chick, WA2USI.

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Our Condolences to:

Our X-TALK typist Doris Bachman (Mrs. WA2VEE) who recently lost her sister to a lingering illness. We hope all will eventually work out for the best.

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LES BELLES

WHERE ARE ALL THE YL'S?

There is a new YL club right here in 2-land called the SECOND AREA YL CLUB (SAYLARC). This club has two meetings annually - one in New York and one in New Jersey. They also hold two nets - one on 80 meters and one on 40 meters. Last Fall a luncheon was held at the Holiday Inn, Paramus, N.J.

Certificates at \$2.00 each are hand done on parchment paper. They have the state flowers, birds and also the butterfly--the symbol of the club. A requirement of 15 contacts with any SAYLARC must be made other than on a net. Log contacts will be used rather than QSL cards to keep expenses down for all. A list should be sent to include date, RST, time and call of person worked. The Certificate is open to anyone -- YL or OM. No 2-Meter contacts -- HF only. Certificates will be

numbered in the order they are received and the secretary will verify the member was in good standing at the time of contact. Member numbers are not needed for contacts. BILLIE-WB2FNF has agreed to be Certificate Custodian. "33" is included for any YL and "88" included for any OM receiving the Certificate. Associate members do not count. Life Member and Founder of SAYLARC is Phyllis-W2GLR -- she has a vote and will be counted as a contact for the Certificate. Effective January 1, 1982 you can start to earn your SAYLARC Certificate - no previous contacts will be counted. Send application to:

BILLIE ROBINSON, WB2FNF

A SAYLARC meeting will be included with the 1982 YLRL Convention in Washington, D.C. June '82. A 1982 Fall luncheon will be held in the Atlantic City Area. See me for further details.

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Radio Club celebrates 25th year --- the PENN JERSEY YL RADIO CLUB celebrated their 25th year on September 19, 1981 with a dinner party. The club started June 8, 1956 with eighteen YL's in attendance - all coming from a "dream" Shirley Lukoff-W3VNN, had for such a club. Over the 25 years several active YL's have been members of this club. The club covered many events including communications at the Boy Scout Jamboree, the Powder Puff Derby, the Eye Bank, the Ship "HOPE", the MARS program. There is also an annual Christmas luncheon. The PJYL's hosted the 1979 YLRL 40th Anniversary Convention held in Philadelphia.

Yes, the YL's are everywhere -- and, most of them quite active.

73

Rose Ellen-N2RE

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4-SALE

Following items from station of friend whose personal problem forces sale of station:

Heath Cantenna with Mineral Oil	\$15.00
Heath SB-610 Monitorscope	70.00
Dentron GLA-1000B Linear with 10 Meter Mod	250.00
Murch UT-2000A Transmatch	100.00
ERC SL-55 Audio Active Filter	35.00
Vibroplex Bug - Chrome Base	55.00
DSI 3550 Freq. Counter - to 550 MHz	70.00
Heath HM-102 Swr/Power Meter	24.00
Yaesu QTR-24-Battery operated World Clock	20.00
Drake TV-3300 Low Pass Filter	9.00
B&W Model 595 6-position coax switch	12.00
Boxer Fan	5.00
73 Code Tape 13+WPM	2.00
Micronta SWR/Pwr Meter	19.00
Micronta Range Doubler VOM	18.00
Sears Cassette Tape Recorder	30.00
Texas Inst. SR-40 Calculator	8.00
Cushcraft A3 Triband Beam, HD-73 Rotor and Control, and 40' Tower - U Haul	200.00
Drake TR4CW, A4 Pwr Supp, M4 Spkr.	400.00
MFJ LSP-520 BX Speech Processor	15.00
Heath HW8 QRP Rig with HWA7-1 Power Supply	150.00
RCA SSB Co-pilot 44T30Z 40 Channel 10 Meter rig with RCA Matcher/SWR/Pwr/Field Strength Meter	150.00

Heath HW22A 40 M Monobander with xtal cal., HS 24
mobile spkr, GH13A Handheld, xtra new front panel
(no pwr supply) \$75.00

For all above, contact Herb Schuler, K2HPV,

Gotham: 2 elem. Triband Qnad. with Instru. Manual, lightweight, good condition.
Make reasonable offer.

SBE 34 SSB XCVR, AC & DC Supply, 80-15 M, spare finals, manual, good condition,
make reasonable offer. Above 2 items: Contact George Munns, KB2GW,

Tempo 2020, SSB XCVR w/remote spkr, pwr cable, instr. & align. manuals \$450.00 or
best offer, Contact Ed, WA2PFC,

Gemtronics, 24 channel CB rig converted to 10 M (28.5-28.8) \$70.00 or best offer
Contact Ed, WA2PFC,

Calculators (2), scientific programmable, TI, hve mag. card storage, chargers and
cases. TI-59 is \$140.00, SK-52 (w 4 software libraries) is \$120.00 Also lrg
Smith-Corona prog. calc. w Tape storage and printout, lots of Apple software on
tape, \$35.00. Contact Larry Scher, K2QCC,

"Homebrew" HF Linear - \$110.00

Alliance HD-73 Rotor, New (in box) - \$85.00

Mimic prog. 4-mem. Keyer w paddle/strait key combo \$100.00

Ameco PT-2 HF Preamp for XCVR 35.00

Telex mike/headset 25.00

Dentron Super/Super Tuner (after linear is sold) 125.00

Tower, hvy duty, 32 ft. 50.00

For above items need \$ and/or Apple computer accessories, call
Larry Scher, K2QCC,

FT-901 DM, all mods, CW filter, Cascading 900.00

FZ-901 scanning VFO 275.00

YO-901 scope-ban-scan 350.00

FTZ-901 transverter, 2 and 6 meters 350.00

ICOM-IC-255A 25 wt 2 meter syn 250.00

Santec 1200, leather case, spare battery 200.00

Call Tom, AD3V -

WANTED!

IC-22S (ICOM), or Midland 13-500 (12 Channel) w xtals, or equivalent.

Contact Norm Williams, WB2HVJ,

JOB OFFER: Do you have a degree in science, math, computer science? R U interested
in a high paying job? If so, contact K2JF.

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DUES DUES DUES DUES

Again, a gentle reminder that, "the end is near!!" i.e. the time for
paying in which u get a "break" in price by paying before April 1. See or send ur
check to Treas. Jose, WB2OZE,

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FCC Schedule For 1982

At the Philadelphia Oxford Valley Mall office:

Exams requiring code: Tuesday 9:00 A.M.

Exams - no code: Tuesday, Wednesday 10:00 A.M. till Noon.

(215) 752-1324

Tnx to K2JF

Excerpts From Recent FCC Suspension Docket
(Tnx to Frank, WA2WGA)

(This is taken from the recent KLMME and WJGM case where the licenses of Boucher and Morin were revoked and suspended respectively).

On February 21, 22, 23 and May 17, 1981, and at various other times during the period between August 1980 and June 4, 1981, Boucher and Morin operated their stations in a "split frequency" scheme designed to deliberately and maliciously interfere with the Maritime Mobile Net on the frequency 14.313 MHz. They conducted the split frequency operations to prevent or frustrate the public service functions of other radio operators. In their split frequency operations, one respondent shifted his transmitter to the upper sideband mode on a frequency adjacent and below that of the net. The other respondent shifted to lower sideband on a frequency adjacent and above the net. The result was a "boxing in" of radio operators using the frequency between the respondents. Respondents transmissions "splattered" the transmissions between them and resulted in their being unintelligible or in their intelligibility being seriously impaired. Throughout the dates mentioned above, Commission monitoring stations detected a pattern on the part of respondents of shifting to upper or lower sideband modes depending on which mode directed their occupied bandwidth into the bandwidth used by the net.

Boucher has maintained a cavalier attitude throughout this entire proceeding. He persisted in "boxing in" the net operators and interfering with their transmissions even after receiving the Notice of Violation. He has consistently claimed that his actions were nothing more than proper retaliation for aggravation by persons participating on the net frequency. He claimed that he retaliated because net participants have threatened harm to him, made harassing phone calls to him and ordered thousands of dollars of equipment in his name and had it shipped C.O.D. to his home. Boucher claimed in a letter dated March 15, 1981, that he operated split frequency to "get away from the deliberate interference that was being put on me that you apparently cannot hear..." and that he "refuse(d) to be run off this end of the band by a damned bunch of hoodlums."

Neither Boucher nor Morin has ever denied the split frequency operation. Boucher's claim, however, that its purpose was to avoid interference is ludicrous. Radio operator convention has been that the upper sideband mode is used on the 14 MHz band. When an operator transmits on 14.313 MHz, the occupied bandwidth extends from 14.313 MHz to approximately 14.316 MHz. Thus, to avoid interference Boucher and Morin could easily have operated upper sideband below 14.310 MHz or above 14.316 MHz. Boucher's claim that their split frequency operation was a remedy for interference is purely cosmetic. Having the broadest Amateur privileges available in the United States, they could easily have shifted frequencies. Both had more than ample station equipment to do so. Although Extra Class licensees having 150 kHz of band width available to them on that band (14 MHz) alone, they did not elect to refrain from causing deliberate interference by staying out of the 3 kHz used by the net participants. They used no self-restraint on their own operations to avoid interference. The purposes of the split frequency were harassment and retaliation, and Boucher's claim that it was otherwise is "so opposed to reasonable probabilities as to be manifestly false."

(Ed. Note: Unfortunately these 2 guys aren't the only "Gooney Birds" purged from the bands).

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Legal Happenings
Tnx to K2JF

FCC Hopes To Discontinue Amateur Operator Testing

One of the key proposals for amending the Communications Act is the use of amateur volunteers for preparing and administering amateur radio examinations. The Goldwater Bills, R-AZ, (S-929, S-1791); The Dannemeyer Bill, R-CA, (HR-2203); and the Wirth Legislation, D-CO, (HR-5008) all suggest it. When

Barry Goldwater, K7UGA, introduced S-929 into Congress he said, "The availability of federal funds to administer the Amateur Radio Service need not and should not be permitted to preclude amateur radio involvement for the young or elderly. Amateurs must be permitted, through voluntary efforts supervised by the FCC to supply the services, including examinations, to those who would benefit from them, as funds are not available to supply these services any longer. In that regard, the FCC must insure that there are no conflicts of interest in the preparation and administration of amateur examinations and that no one is treated unfairly."

The FCC has already gone on record as favoring the move to let the amateur community do its own exam writing and testing and is the first to recognize that the present system simply isn't working. First, it's too expensive for the government to give the tests - particularly in view of the agency's ever shrinking budget. Secondly, it doesn't take long before those that know where to obtain the examination information get verbatim copies of the FCC amateur tests. First amendment and Freedom of Information rights being what they are, the FCC appears powerless to protect the security and integrity of its exams. In effect, the whole amateur radio examination program has degenerated into a farce and the feeling is that the amateur community could do a much better job of screening its membership than the government. The Commission has always recognized that amateurs are better at enforcing rules and motivating its peers than they are. It appears a "lead-pipe cinch" that in due time - and just how long this amounts to is anybody's guess - that the FCC will be out of the ham testing business and that the amateur community will be deciding who is qualified to utilize its frequency allocations.

ARRL PROPOSES RESTRUCTURING FCC EXAMINATION PROCEDURE....

No one realizes this better than the ARRL and they have submitted a detailed proposal to the FCC for implementation of a program of self-testing by the amateur fraternity. The League says that their system will provide more opportunity for applicants to take amateur exams, improve the security and integrity of the examinations, decrease the workload of the FCC in time of deep budget cuts and thus shorten the turn-around time of processing amateurs' applications.

The ARRL pointed out that less applicants (30% less over the last 3 years) are taking amateur exams since, due to budget cuts, the FCC has been forced to seriously curtail its testing function. It is also a fact that the amateur operator population (and ARRL membership) is at a decreased level. Every U.S. ARRL Division shows less membership than that of a year ago. (Strangely, the Canadian Division, which pays the highest dues, is the lone ARRL Division with more members.) It is obvious that the amateur radio hobby needs "new blood".

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Contest Corner

WE HAVE A WINNER!

Congratulations to Ray Metzger, AI2B, for winning Megapoint award #19 with a current total of 1,209,100 Megapoints. Ray's fine VHF Sweepstakes effort puts him over-the-top, also virtually all of his points were accumulated in VHF contests where point accumulation is more difficult. We all owe AI2B congratulations and thanks for both supporting the club program + a job well-done!

Activity seemed low in this year's Two Land QSO Party. CW activity seemed particularly disappointing although "old Reliable", K2HPV, was heard working on 40 CW. This has been a fun contest for two band stations but perhaps some changes are in order to promote activity say by splitting modes (CW and SSB on separate days) or giving 2 or 3 points per CW QSO (ala Field Day).

As I write this column, the ARRL DX contest CW portion is in high gear. Ten meters is jammed with signals, one weekend DXCC certainly seems a possibility. Unfortunately my participation will be severely limited due to my work schedule; however, I hope you will all have tales of DX worked and heard for the next meeting.

March brings two more Megapoint events:

March 6-7 ARRL DX Contest - SSB

March 27-28 CQ WW WPX Contest - SSB.

Listed below are the individual and club raw VHF SS scores with Megapoint equivalents:

Call	Raw Score X 50	Megapoints
W2GSN	1846	92,300
KB2GI	3764	188,200
W2SUA	5460	273,000
WB2DXB	1768	88,400
AI2B	10640	532,000
WA2PFC	6900	345,000
KB2GW	1766	88,300
Total Club	32144/64592	average score

Thanks to all of you for a good effort. The above list is conspicuous by the calls that are not listed - see you guys next year.

Last month's column briefly discussed the contest program's objectives. Considering the spirited discussion at last month's meeting I would ask you to reread that column so this program can be placed in the proper perspective. GCARC is not a contest club (such as Frankford Radio Club) and its members share a wide range of interests. Contesting is meant to be fun (first priority) and helps develop operating skills. Membership support + participation is certainly an important element in deciding the club's (and some individual members) competitive position but giving such support should be an enjoyable experience. It's my hope that our contesting can provide such an atmosphere, but your continued feedback is important.

Well it's almost time to leave for the airport but with both OHØBa + CX7BY QRZ on 28.050...

73 & CUL
Dennis, WB2GES

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DX Dope - Tnx to KE2M

Cocos Keeling and Christmas Islands. VK9YT and VK9YM are scheduled to appear on 24 February for two weeks of operating from Cocos Keeling Island. VK9XT and VK9XM are the calls that they will use from Christmas Island commencing on 10 March for a period of one week. 16Ø through 1Ø meter CW and SSB operation is planned from both locations. VK9YT and VK9XT QSLs will be handled by VK3OT. VK9YM and VK9XM cards will go to KLMM, Box 73, Framingham, Massachusetts 01701. Republic of Guinea. 3XLZ is often on in the CW portions of the bands. Check 28Ø2Ø KHz at 17ØØZ and 21Ø28 KHz at 13ØØZ. QSL via W4FRU.

Togo. Look for 5V7HL every Wednesday on 14285 KHz at 22ØØZ.

Northern Cook Islands. Victor, ZK1CG, plans a few weeks operation from the Northern Cook Islands starting around 25 or 26 February.

Tunisia. 3V8DX is to start operations on 23 February. Check 2137Ø KHz from 23ØØ through Ø3ØØZ and 14297 KHz after Ø2ØØZ.

Sierra Leone. 9LLEX, a new call sign for ARLID, LA2EX/9L, should be heard a lot on the weekends around 13ØØZ between 2851Ø and 2855Ø KHz. QSLs go to Box 558, Freetown, Sierra Leone.

Greece. SV8JE is active on 3697 KHz, listening on 3819 KHz daily. QSL via SV1JE.
Chatham Island. ZL4PO/C will be QRT until 8 March. He will then be on all bands daily from 1200 to 1800Z for one month. Les is stationed on the island until 1985. QSLs go to ZL4KE.

French Guiana. W6KG and W6QL will operate station FY0FOL in an all band CW effort in the ARRL International DX contest this weekend. Lloyd and Iris will then move on to Curacao in the Netherlands Antilles.

Andaman Island. Israeli DXers report a planned week long DXpedition to Andaman Island by 4Z4TT said to be set for sometime in the middle of March.

Anguilla. QSLs for VP2E, a DXpedition to Anguilla for the ARRL International DX contest this weekend, will be handled by K8ND. Other VP2E QSL routes are, VP2EAA via W0RLX, VP2ESE via W4QBB, VP2ED via AD8J, VP2EX via K8CV and VP2EU via K8MR.

T3ZAE, Xmas Island in the E. Kiribatis has frequently appeared around 14.200-0.210 at 0300-0330Z on weekdays. QSL via PA0GMM.

ARRL BULLETINS

During the first half of February, the solar flux followed its January pattern except that values were up to 50 percent above those for the same areas of the sun during their January appearances. The flux is expected to be lower in the second half of February, but still mostly above long term predictions for the period. This means higher MUF than shown in current QST propagation charts, but beneficial effects will be mostly in the lower latitudes and on transequatorial circuits. The QST charts continue to be a reliable guide to times and directions in which the MUF will be the highest.

We have been in the longest period of high geomagnetic activity, and resultant propagation on our DX bands, in this sunspot cycle. The trend will continue on through early spring. A few days of improved conditions are expected, but more disruptions are due around February 17, and February 27 through March 3. American sunspot numbers for February 4 through 10 ranged from 160 to 245 with a mean of 203.4

FCC has assigned docket number 82/83 to a combined Notice of Proposed Rulemaking and Notice of Inquiry on the subject of HF phone band expansion. The commission proposes expansion of the 14 MHz phone band 50 KHz, from 14.150 to 14.350 MHz, with the new segment available equally to licensees of General class and higher. There would be no change to the segment 14.200 to 14.275 MHz, which would continue to be available only to Advanced and Extra class. In its Notice of Inquiry, FCC requests comments on several issues relating to phone subbands, among them the desirability of expanding other phone bands and the proper relationship between frequency and mode privileges and license class. Amateurs have until July 10 to send their comments to the Secretary, FCC, Washington, DC 20554. Comments should be labeled with the docket number, 82/83. Reply COMME