

CROSSTALK

Published By And For The

GLOUCESTER COUNTY AMATEUR RADIO CLUB, W2MMD*

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Contests:	Dennis Sandole, WB2GES	Historian:	Della Parker, W2AFZ
Hamfest:	Committee Effort	Club	
Field Day:	Wayne Wilson, WA2LET	License:	Rose Ellen Bills, N2RE
A.R.E.S.:	Harry McCormick, WA2SEA	VHF:	Ray Martin, WB2LNR

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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 VFW Hall in Woodbury Heights. Meetings begin promptly at 8:00 P.M.

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

President's Message, Nov. '82

Let me begin this article by extending my apologies to you for not presiding at last month's General Membership meeting. It was one of those infrequent times that I was under the weather and couldn't make it. In my absence, Vice President Peter Bent, N2CME, took over, and I'd like to congratulate him for a job well done.

Now down to business. The next two months will be rather busy and maybe quite hectic for the Club. At the November meeting, the Nominations Committee will present its slate of candidates for the coming year, which includes all the Club's officers and two directors. At that time also, you the general membership will be asked for any nomination you might have for any particular position. The voting will take place at the December General Membership meeting. So start looking around, there are plenty of good people in this Club, let's bring them to the surface.

As for the matter of Club QSL's, they will be available at the Nov. meeting. The price is \$3.00 per 100.

One last item is the matter of the Club's meeting place. It will be up to you the general membership to decide where we will meet. Do we go back to Clayton or do we continue here in South Woodbury?

Our program for the month set up by our program chairman will be a slide presentation on the 1981 DX Expedition to Desecheo by the IDXF.

See you there at the meeting.

73's

Harry O, WB2GSF

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White Elephant Sale Huge Succes\$!

For those of you who missed out on last month's White Elephant sale we want to hereby inform you that you missed last month's White Elephant Sale! And a great time was had by all the faithful who fearlessly weathered the barbs and diatribes of interlocutor Ray, WB2LNR. Ray was, as usual, the star of the show, and did a super selling job. But, as is normal, there were actually some terrific buys -- at least until the buyer tries out the equipment. And the Club made a whooping \$192.00 in tax free loot! All are looking forward to next year's sale.

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Congratulations to:

K2JF: John at long last received a Zone 18 card - hence can now apply for his WAZ award. Condolences are no longer needed.

WB2LNR: who learned that he will become a father again - the new harmonic expected about June of next year. Condolences are are needed here!

And to Chick, WA2USI, who procured the latest batch of good looking Club QSL's for sale (3.00/hundred) to the membership.

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LRPC Meets

The Club's Long Range Planning Committee held its initial meeting on Oct. 12th at the WA2NPD QTH. Following a discussion of purpose and timing, a rather extensive list of possible projects was formulated. A club house, being high on the list, was selected for initial

investigation. Specifications and a cost estimate of a single story, block, A-frame roof structure suitable for 120-130 meeting room attendees is being prepared. Also, the County Administrator (Gloucester County) will be contacted on the possibility of leasing countyowned land. Also, the possibility of municipal land and/or available structures will be investigated. The idea, of course, is to acquire a tax-free land/structure arrangement. The LRPC will keep the Club informed as to future progress.

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VOTE!, VOTE!, VOTE!, VOTE!

Don't forget! Nominations for GCARC 1983 officers will be presented at the November meeting with the elections to be held in December. So c'mon out and support the horse you think will win. Or, enter your own nag in the race.

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Great American Lies

The check is in the mail ... I'll start my diet tomorrow ... We service what we sell ... Give me your number and the doctor will call you right back ... Money cheerfully refunded ... I gave at the office... It's better to give than to receive ... This hurts me more than it hurts you ... I just need five minutes of your time ... My wife doesn't understand me ... I thought the bill was due next week ... Your table will be ready in five minutes ... Of course I'll respect you in the morning ... Money can't buy happiness ... Leave your resume and we'll keep it on file ... Also add to the list: QSL sure via the bureau ... You're 5&9 ... From Worldradio by Jay WA3IFY

(Tnx to the HARC "Newsletter")

And we might also add: I QSL 100% ... Don't worry, another list will be taken tomorrow ... my linear won't run over a KW ... and the rare DX station who testifys "I now go QRT, will be back in about 20 minutes"

de WA2NPD

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Un-Sung Hero Dept.

Faithfully, and without much fanfare or kudos, our House Committee provides excellent repast (coffee-donuts) to soothe our savage gullets month after month -- without hardly a hitch or crimp. Let's be sure to give Jim, N2AKI, and his lackeys a pat-on-the-back and a big AMEN the next time you partake of the fare. We sure appreciate you guys!

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FAR Winners Announced

The Foundation For Amateur Radio is pleased to announce the 1982 winners of the ten (10) scholarships which it administers.

The John W. Gore Memorial Scholarship - \$900

Richard E. Church, Jr., WA2YMS - Central Square, NY

The Richard G. Chichester Memorial Scholarship - \$900

Theodore S. Rappaport, N9NB - West Lafayette, IN

The Edwin Van Deusen Scholarship - \$350

Steven J. Gies, KA9EHI - Stevens Point, WI

QCWA Silent Key Memorial Scholarship - \$500
 Brian D. Miller, KAØDGT - Englewood, CO
 QCWA Silent Key Memorial Scholarship - \$500
 Marc Vernon, KI9V - Hinsdale, IL
 Radio Club of America Scholarship - \$500
 Stephen Carlson, KA9KME - Wauwatosa, WI
 The Edmund Redington Memorial Scholarship - \$500
 Nicholas L. DiFiore, N8DNF - Warren, MI
 Young Ladies Radio League Scholarship - \$300
 Susan Beth Solomon, KA2FLL - Uniondale, NY
 Amateur Radio News Service Scholarship - \$500
 Wayne B. Ditsworth, NØBGI - Cedar Rapids, IA
 Columbia (MD) Amateur Radio Association Scholarship - \$500
 Richard A. White, Jr. KA3T - Columbia, MD

These Scholarships were open to all Radio Amateurs meeting the qualifications and residence requirements of the various sponsors. This year applications were received from 31 states, Canada and India. The Foundation is a non-profit organization representing fifty clubs in Maryland, the District of Columbia and Northern Virginia. It is devoted exclusively to promoting the interest of amateur radio and to the scientific, literary and educational pursuits that advance the purposes of the Amateur Radio Service.

Information regarding the scholarships to be awarded next year will appear in the April or May issues of the major amateur radio publications.

(Tnx to Hugh, W3ABC)

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LES BELLES

1982 GCARC HAMFEST is now history. A beautiful turnout of many licensed hams----including 35 YL/XYL's. A record compared to the 5 or 6 we usually have. A list has been compiled of these gals. If you know of any others, please let me know her name and call:

KA2NYF - Janet	N2AJG - Mary Jo
KA2NOH - Pat	N3CFE - Janice
WB3EPU - Mary Ann	KA3JRG - Kathy
KA3IFV - Debbie	KA3DRG - Fran
KA2QFK - Chris	WB3DSK - Jane
KA2EKR - Pat	KA2JTK - Isabel
KA2BNN - Irene	N2ASY - Lorry
W2AFZ - Della	K3WAJ - Gisele
WB2JCE - Janice	KA3IQM - Kathy
N2AKC - Myrtle	N2RE - Rose Ellen
W3SLF - Sylvia	KA2DWU - Marge
N2CEM - Joyce	WA3YBL - Teddy
WA2SOQ - Sue	KF3D - Sandi
N2DRQ - Barbara	N3AYD - Judy
WB3HUE - Anne	K3FXP - Maggie
KA3ITN - Gail	KA3IYO - Kathy
KA2QAR - Joan	N2AKL - Roz
KA2CQY - Janice	

A special thanks to all the XYL members of the club who helped out during the day at the food stand and the YL activities.

Did not notice many cameras around -- if you did take pictures be sure to put the date, names and call on the back before turning over to the historian.

Congratulations are in order to the SOUTH AFRICAN WOMEN'S RADIO CLUB celebrating their 30th year -- 1952--1982. This is one of the oldest radio clubs for women. Their president has toured the USA and Canada many times. Many US gals belong to this club. Current officers are: President & Editor of YL BEAM: Diana Green, ZA6GH; Vice President: Dot Faber, ZS6BDB; Secretary: Freda Sheiman, ZS6BGV and Custodian of Certificates: Gwen Smith, ZS5NR. The mid-week YL net meets on Wednesdays at 0430 G.M.T. on a frequency of 28.470. Join in if you can.

DIAMOND ANNIVERSARY to be celebrated: Eila Russell-WA8EBS and her OM W8BU-Jim are to be heartily congratulated on this Diamond Anniversary September 15th. Good luck and many joys to you.

N2RE has been elected Vice President of YLRL for 1983. The job consists of sponsoring all the YL Contests, checking all the log and giving out all the awards.

73
Rose Ellen
Rose Ellen-N2RE

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4-SALE

TA-36 Mosely Tribander, very good condx, \$150.00, contact Bill, WA2VEI

The next 3 items -

- (1) Drake RV-4 (VFO 4 the TR-4), Mint cond., spkr inside, \$100.00
- (2) Drake 2B rcvr with Q-Mult/spkr. Inclu. xtals 4 10M, Excel. cond. \$120.00
- (3) Hy Gain Hy-Quad, 2 Elem. tribander, partly assembled but never up. A steal at \$140.00

Contact George, KB2GW,

AD3V - Tom Del Pesco -

will demonstrate

all of below on air.

SANTEC HT 1200 with leather case, external battery charger, extra battery, 5/8 Ant, speaker mic, adapter for direct 12 volt operation without battery \$250.00.

KLM, 11 element - 6 meter beam \$100.00 - used 3 months.

KLM - 6 meter amp 4-10 in 80-100 out, 12 volt, \$110.

YAESU FTR-901 - 6 meter, 2 meter transverter for 901 or 101.

Will work with most rigs with modification. 10 watts output \$325.00

YAESU - YO 901 DM monitor scope with band scanning - see 200 KHz
at one time \$350.00
YAESU FT 901 DM with FV 901 DM scanning VFO. FT901DM has 250 Hz
CW filter, cascading Mod and all Fox Tango Mods. Ask W2SUA,
WA2NPD, WA2VEE how it works. \$1100.00
ICOM 22S with new extra diode programming board. 12-15 Watts
output. Modified to work 144-148 MHz. Will demonstrate.
\$150.00
YAESU SP 901P speaker with phone patch \$60.00.

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Contest Corner

Deadlines! Everywhere deadlines! Last month's column was a casualty of our editor's new - earlier - deadline! Unfortunately, the new deadline coincided with other business commitments. My apologies and assurances that future columns will be submitted within Doug's new schedule.

Although GCARC is not a "contest" Club, we have some prolific contest operators whose achievements should not go unnoticed; so congratulations to:

N2SS: whose points captured the SNJ section in the 1981 ARRL DX phone contest.

W2YC: whose points captured SNJ in the ARRL DX CW contest.

N2BCF & K2NVT: whose QRP Field Day excursion was reported in CQ's September Issue.

AA2Z: whose ARRL DX contest efforts were good enough to capture 8th place overall for the U.S. + Canada and top CW + SSB score for Murphy's Marauders, Mark's Contest Club!

N2SS: whose 1981 multi-operator CQ WW Phone Contest effort captured 10th place in the U.S.

Again, congratulations to all for a job well done!

October also marked the beginning of a new "Megapoint" contest season. CQ's World Wide Phone Contest is October 30-31 (and may be hsitory by the time you read this). Last year's contest saw these calls active - ZK2, KG6, OY5, EA8, CEØ, CX5, KX6, FO8, JX5, SV9, A9X, J28, 6W8, 3S6, 9Q5 and many, many more. Jump in and tackle this DX smorgasborg. But watch out it could be habit forming!

November's events are exciting. The ARRL Sweepstakes weekends are Nov. 6-7 (CW) and Nov. 20-21 (SSB), while the CQ WW DX Phone CW portion is Nov. 27-28.

There are strong rumors of a GCARC multi-operator sweepstakes CW effort from Wayne Wilson's shore cabin. At this writing potential operators included WA2LET (of course), W2YC, N2CQ, WA2NPD, K2HPV, and yours truly. Any club members who would like to experience contest operation are welcome aboard. See WA2LET if you would like to join this "illustrious" crew "in the trenches". In addition, Wayne is willing to make a "go" of the SSB Contest if the interest is there, again call WA2LET for details.

All of the events mentioned above are Megapoint contest events. Remember, any member who accumulates 1,000,000 or more Megapoint contest "points" qualifies for the award. Endorsements are issued for each additional 1,000,000 points. The initial award is mounted on a handsome plaque which makes a nice addition to the shack. Megapoints are credited based on a multiplier (whose value varies by contest)

which is applied to your actual contest scores. For example, CW WW scores are multiplied by 5 to get their equivalent Megapoint value. Points can accumulate quickly, so a little operating goes a long way!

Sweepstakes is also one of the few contests where modest stations can be competitive. Dipoles are common since 40 meters is the work-horse band and the low power (under 200 watts) categories prompt many ops to go barefoot.

If you're new to contesting contest QRM, etc. can be intimidating. Try going "up" the band and working at the edge of the contest frequencies. (QRM and/or code speeds are usually much lower). Then move down as you feel more comfortable. Also, remember it's no sin not to work the entire contest, jump in & bang out a few QSO's, it's fun and it will help the club. Only 8,000 points separated us from the next club in last year's ARRL DX effort so your log does count!

See you at the meeting,

Dennis - WB2GES

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DA'S & DIT'S

Corner K2JF sometime and ask him to tell you about the U505 incident. It's quite a story and would rival the best suspense yarn.

AB2W comes out of the woodwork every once in a while with his "H.T." Glad to hear you in there.

It's a grandson for WA2OZG! It's time to pass out the cigars. Everyone will be waiting for them.

WB2DXB - just a reminder. After six weeks are you still counting the calories?

Now that you have purchased a YAESU - WB2GKH - lots of luck. Be careful, K2PQD will have you in RTTY before you know it.

No more "Apple-Pie Hill" for WA2VOY since he is now the proud father of a son - born in September.

Hopefully our President, WB2GSF, has recovered and we will see him at the meeting.

N2BGZ, now that you are all set, we are wondering if your 'phone patch is working?

The K3WIL Service Trophy Award presentation will be made shortly. Are you hoping to be the recipient?

N2AJR has been living at the same location for thirty years and is looking forward to the twenty-first century.

WA2IBZ and N2AKL are planning a trip to Taj Mahal if they ever break the bank at the casino. Does anyone know if this is true or is it make-believe?

The four horsemen are at it again - KB2GI, W2GSN, N2AJN and KB2GL getting their antennae in ship-shape before winter sets in.

K2HPV recently went to a meeting at WA2NPD's QTH. He enjoyed a hearty dinner before his arrival, and had worked up a tremendous thirst. Seems as though he went to the right place to quench his thirst.

Understand that N2BK took time off the other day to help with the stewed tomatoes. Hope his efforts were successful.

W2YC is the sole owner of the W2SUA Trophy. What do you say? Shall we try to give him some competition?

It's nice to have a father and daughter team on the air. Good luck to KA2NXN and KA2QDV.

The Historian of our Club is a gracious lady. Why not make yourself known to W2AFZ at one of our meetings?

de the Eavesdropper

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DX Dope, Tnx to SNEDXA and to KE2M

Zone 13. For those working on 5 band WAZ, look for VP8ANT, Zone 13, on 80 and 40 Meter CW and for CE6EAT on 80 Meter CW.

Mongolia. JT1AN is trying very hard to work the USA on 3645 KHz, listening on 3798 KHz at 1000Z, SSB only.

Russian Oblast. UK01AA/U0T is a very rare Russian Oblast, Ust Orda Buriat, in region number 174. It is very active on 14 MHz CW and also some SSB. It is not known how long this station will be on the air.

Vanuatu. Look for YJ8RG 1000 to 1300Z on 3797 KHz SSB. Also check around 1900 to 1930Z.

Saudi Arabia. HZ1AB, operated by WA8MOA, keeps a regular watch on 1827 KHz at European sunset and at his sunrise for North America. Bob has recently been copied in North America with 559 signals.

Tonga. A35TN is recently active on 14202 KHz after 1000Z.

Lord Howe. AX3DHT/LH has arrived on Lord Howe Island for an extended all band operation. He intends to remain on Lord Howe through November 1.

Madagascar. Alain, 5R8AL, frequently appears for a sked Mondays at 1800Z on 21332 KHz.

Zone 2. VE2HQ, VE2FU and VE2EZU will operate as VE2HQ/2 in Zone 2 during both weeks of the CQ Worldwide DX contest.

DXCC Country Deletions. The ARRL Awards Committee has accepted the recommendations of the DX advisory committee to delete Serrana Bank, Roncador Cay, KP3, KS4, HK0, Bajo Nuevo, HK0, and the Saudi Arabia/Iraq neutral zone, 824, from the current DXCC list by virtue of their undergoing a significant change in administration, thus no longer meeting any criteria for separate country status. These deletions become effective December 1, 1982. Future operations from the

Serrana Bank, Roncador Cay and Bajo Nuevo areas will count the same as San Andres and Providentia Islands for DXCC credit. The Saudi Arabia/Iraq neutral zone no longer exists as a separate entity. This brings the current country total to 315, with 52 deletions.

Solomon Islands. H44BS can be found Sundays at 2300Z on 28600 KHz.

Iraq. Y11BGD, operator Kamal, looks for U.S. QSOS on Saturdays after 1500Z on 14250 KHz with a German MC.

Bouvet. DK9KD says that the plans for operation this winter have been shelved for this year.

Heard Island. KP2A reports that plans continue with no problems for the planned January trip under sponsorship of IDXF, NCDXF and WIA.

FCC Proposes New Ham Power Limit Specs

The FCC has issued a Notice of Proposed Rulemaking (FCC #82-410) seeking to establish a new maximum transmitting power measurement guideline for the Amateur Radio Service. The Commission wants to replace the present input power system which the Commission said was "archaic and unsuitable." The proposed rule change principally involves a new definition of transmitting power in terms of peak envelope power (PEP) output to replace "definitions, limits and measuring procedures developed for the amateur radio technology of the 1920s." Output peak envelope power (PEP) is a measure of output power at a point in the radio frequency cycle that envelops the entire signal being transmitted. The FCC said "PEP measurements can be clearly applied to virtually all emission types and can be easily computed from carrier power for many popular emission modes.

The Commission has tried several times earlier to change or re-define amateur power limits without success. The previous attempts were not implemented since they were tied to other proposed (and unsuccessful) rulemaking.

But the FCC again made it clear that the present rules governing power limitations for the Amateur Services were antiquated and referred to "obsolete vacuum tube technology" which "have no clear meaning" for solid state transmitters and amplifiers now in common use." The FCC went as far as to say that for much of the equipment now in use, "the rules require a complex and often dangerous dis-assembly procedure to measure input power." Measurement of input power and transmitter power, as required by present rules, "is difficult and impractical in the single sideband mode and with other modern and innovative modulation techniques," the Commission said. In late September, the FCC Commissioners issued still another amateur power limit NPRM. This time it was not linked to any other subject.

The new proposal limits amateurs operating on Novice frequencies to 200 watts PEP output. All other amateurs would be limited to 1,500 watts PEP output, except for operation in areas or on frequencies protecting military zones where a 50-watt PEP limit would apply. (This applies generally to the 420-450 MHz ham band.) The 1,500 watt PEP output limitation was proposed since this would not require a reduction in power most operators currently use. The Commission asked the amateur community to give their views on these power limits. The new proposed rules do not require the necessity of accurately measuring input power as currently required "since other means of determining compliance with power limits are available."

Among other advantages of the proposed change, definition of power in terms of PEP output would enable amateurs to transmit at the same minimum power across all bands. Power would not have to be limited by the decline in amplifier efficiency at the higher frequencies, and an operator would not have to operate at the upper margin of amplifier capability to maintain power at higher frequencies.

The proposal also would revise the present multi-meaning definition of effective radiated power (ERP), basing it on transmitter power delivered to the antenna, as measured in PEP terms. The FCC said the change should have no effect on most amateur repeater operations.

For the one emission mode which would be significantly reduced

in authorized power -- double sideband AM (amplitude modulation) -- the Commission proposed to provide a five-year "grandfather" period during which amateurs could continue to use the old definitions, limits and measurement procedures. After the five-year period they could still use that mode, but at reduced power. The Commission specifically asked for comments on the grandfather period for double sideband AM emissions. This mode is now rarely used by the ham community. It also asked for comments on impedance matching during station inspections by FCC engineers and on whether there should be an exception to the PEP output definition for pulse transmissions. Deadlines to file comments will be announced shortly. (Unanimous action by FCC Commissioners by NPRM in PR Docket #82-624.)

(Tnx to "W5YI Report" and to K2JF)

Amateur License of Hollywood, California Ham Operator Revoked

David Hildebrand, (N6BHU) Hollywood, Cal., has had his ham ticket pulled by FCC Law Judge, Joseph P. Gonzalez. The case against Hildebrand was initiated in March, 1981, after the FCC's Private Radio Bureau issued an order directing Hildebrand to show cause why his N6BHU station license should not be revoked and his operator's license suspended "for violation of FCC rules prohibiting transmission of communications containing obscene, indecent or profane language."

Although Hildebrand admitted to engaging in the prohibited communications, he argued that "the Commission did not show that the words used during his transmissions were patently offensive to listeners in the Los Angeles area." Additionally, Hildebrand contended that "such language has been used for many years by amateur operators in that area without objections from the FCC."

However, in an initial decision issued September 24th, Judge Gonzalez concluded that Section 97.119 of the rules "explicitly authorizes the Commission to impose sanctions on licensees who willfully engage in offensive broadcasting." Judge Gonzalez found the language used by Hildebrand "to be obscene and offensive", noting that "a large audience could have been exposed to these transmissions, including individuals under 17 years of age." The decision is one of the very first...if not the first...decision involving obscenity without having other violations associated with it. As a general rule, the FCC has opted not to get involved in censorship - or what is or is not acceptable language.

WARC TREATY REPORTED OUT OF SENATE FOREIGN RELATIONS COMMITTEE

The much publicized World Administrative Radio Conference (WARC) which concluded in 1979 is now well on its way toward ratification by the United States Senate. The WARC accord (Treaty 97-21) has been considered and approved "as written" by the Senate Committee on Foreign Relations. The Committee could have recommended that the WARC document be accepted in part...or with additional conditions or "reservations" and this was indeed considered. The U.S. took a record six reservations during the international conference. A reservation offers escape from disagreeable decisions of the majority.

(Tnx to "W5YI Report" and K2JF)