

CROSSTALK

Published By And For The

GLOUCESTER COUNTY AMATEUR RADIO CLUB, W2MMD*

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Contests:	Dennis Sandole, WB2GES	Historian:	Della Parker, W2AFZ
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Field Day:	Tony Starr, WA2FZB	License:	Rose Ellen Bills, N2RE
A.R.E.S.:	Harry McCormick, WA2SEA	VHF:	Ray Martin, WB2LNR
Legislative:	John Fisher, K2JF	L.R.P.:	Doug Gehring, WA2NPD
Investment:	Sonny Gutin, WB2DXB		

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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, Feb. 1983

GCARC started 1983 with a turnout at our January meeting of 57 members. Considering the holiday period as well as the rainy weather, this was not a bad attendance. Of course, we could always use a better turnout so let's try to increase the attendance at the Feb. meeting. If some of your friends did not attend the last meeting - talk to them. Tell them we would like to see them and that they missed a good program. Remember the old adage, "You only get out of something what you put into it." GCARC has a lot to offer, and you can't get much out of being a member if you do not attend the meetings.

If you were not able to attend the Jan. meeting, you missed a good program by none other than our own John Fisher-K2JF. John used an overhead projector to present many facts re MUF and after that presentation we all had a chance to see how John has utilized this information in a program for his TRS-80. For those of you who may be contemplating the purchase of a computer this is a program that would be very beneficial in letting you know at what times and what frequency to talk to various parts of the world.

It was recently announced that the U.N. has established 1983 as the year of communications. This is a good time to show your interest in amateur radio and your club. Let's try to make 1983 a year to help increase the ranks of amateur radio operators. We need new blood in our hobby and in our club. Why not talk it up - let the boys and girls you know in junior high and high school know the thrill it is to speak with other people from all over the world. (Remember your first contact?) Let them know that GCARC holds classes to help anyone obtain their ticket to adventure all over the world.

See Hy Friend-KB2GH when you arrive at the February meeting. Sign in and let him know if you upgraded in 1982 and if you belong to ARRL.

See you at the meeting.

73 - Russ - N2ASV

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February Program

Chairman Harry, WA2VXT, informs us that the February program will feature two of GCARC's most knowledgeable electronic experts, Chuck, WA2TML, and Joe, WA2GFK. They jointly will present a program entitled "Basic Construction, Tips and Practices." So now here is the opportunity many of you have been waiting for--to see how it's done and why! Of course, Chuck and Joe will provide time for your questions. Let's have a banner turnout--you may go home having learned something valuable. CU there.

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Congratulations to-

Steve, WB1AOF, who upgraded to the Extra Class!! Nice going Steve--be sure to see Bill, WA2VRY, for a break on your dues.

And, to Dennis, WB2GES, who is now the proud father of a new baby girl harmonic. Don't be afraid Dennis, YL's make good hams too.

Tom, KB2GI, who was appointed Director of our club to fill an unexpired term. Obviously Tom did a fine job previously to merit the continuance of his service.

George, KB2GW, who finished 3rd, nationally!, in the 2M SWOT contest! This is a super accomplishment and may be a new first for our club to have someone finish this high in a contest. Nice going, George.

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25th Anniversary Committee

By now, most of you should be aware that, in 1984, GCARC will celebrate its 25th year of continuous existence! A gala celebration is planned and, to make sure this celebration is the huge success it should be, Prexy N2ASV has appointed Herb, K2HPV, to serve as overall chairman. The appointment was wisely made now in order to insure ample time for adequate preparations. Thus far Della, W2AFZ, and Doug, WA2NPD, (any others yet Herb?) have agreed to help out on the committee. See Crosstalk during the year as details become available.

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Reminder--to Committee Chairmen

President Russ, N2ASV, wants each of you to give him (ASAP) a list of those serving on your committee. If you don't have any other hams helping on your committee, this is a signal to round up some help! Of course, some committees necessarily have just the chairman as a committee of one (Club License, for example). So let's get busy!

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ARRL Annual Report Due

Our club corresponding secretary Walt, WB2OYQ, is busily preparing the annual report. One piece of required information is that the League requests each member be counted as to whether he/she is or is not a League member. Also, they want to know how many upgrades we had during the year. Hence, PLEASE, let Walt know (landline, 7118, meeting, etc.) if you have upgraded during 1982 and if you belong to ARRL. Thanks, bless you for your cooperation.

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Club Suggestion Box

At the January club meeting, unveiled was the new official GCARC Suggestion Box- complete with slot for suggestions to fall through (gosh, that choice of words seems somehow inappropriate). Nevertheless, this beautiful box (tnx agn to the genius of Milt, K3WIL) hopefully will be used as a depository for your suggestions! This is no joke! The Officers and Board are actively soliciting your ideas, suggestions, and constructive criticisms. You may sign the suggestion, or not. The idea is to continually improve the Club-and you can make a difference! The Box has been labeled (fittingly) as "What Do You Want To Know" Box. A very appropriate epithet, to say the least. So c'mon, don't be bashful, USE IT!

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Repeater Dialer Nearing Readiness

It was announced at the January meeting that the new dialer is nearing the point of installation. This is good news for all the Barnsboro users. See K3WIL and/or WA2USI for more details.

LES BELLES

Y L - O M C O N T E S T

PHONE: Starts: Saturday, February 12, 1983, at 1800 UTC
Ends: Sunday, February 13, 1983, at 1800 UTC
CW: Starts: Saturday, February 26, 1983, at 1800 UTC
Ends: Sunday, February 27, 1983, at 1800 UTC

ELIGIBILITY: All licensed men and women operators throughout the world are invited to participate.

PROCEDURE: OM's call "CW YL" and YL's call "CW OM".

OPERATION: All bands may be used. No cross band operation. Net contacts and repeater contacts do not count. A station may be counted only once in each contest for credit.

EXCHANGE: Station worked, QSO number, RS or RST, ARRL Section or country. Entries in log must also show time, band, date and transmitter power. (Please know your ARRL Section. A section list is available for SAFE to YLRL Vice President)

SCORING: A. Phone and CW will be scored as separate contests. Submit separate logs for each contest.

B. One (1) point is earned for each station worked, YL to OM or OM to YL.

C. Multiply the number of QSO's by the total number of different ARRL Sections and countries worked.

D. Contestants running 150 watts or less on CW and 300 watts PEP or less on SSB, at all times, may multiply the results of (C) by 1.25 (low power multiplier).

LOGS: All logs must show ARRL section or country to qualify for awards. Do not send carbon copies of logs. Please print or type. Logs must be signed by the operator, and no logs will be returned. Remember to file separate logs for each contest. Logs must show claimed score and be postmarked by March 15, 1983, and received no later than April 5, 1983, or they will be disqualified. Please send logs to: ROSE ELLEN BILLS, N2RE, 08070, VICE PRESIDENT - 1983 - YLRL.

DUPLICATES: For each duplicate contact that is removed from the log by the Vice President, a penalty of three (3) additional and equal contacts will be exacted.

AWARDS: 1st place Phone: YL Cup, 1st place CW: YL Cup, OM Cup. 2nd and 3rd place YL and OM winners in each contest will receive certificates. The winner of the Phone contest cup is also eligible to win the CW cup. Certificates will be awarded to the high YL and OM Phone and YL and OM CW winners of each U.S. and VE call district country.

73,

Rose Ellen

Rose Ellen Bills - N2RE

SPARC Springfest "83"

Hear Ye, hear ye! Looks like the initial one for 1983! Mark the date: March 12th (Saturday), 9:00 A.M. till 4:00 P.M. at the 4-H Fairgrounds in Egg Harbor City (near Atlantic City). Talk in on 146.385/0.985 and 0.52. Rain or shine! (lots of indoor space). \$2.50 advance, \$3.00 at the gate. Sellers, \$5.00/space, bring ur own table. XYL's and harmonics free. Write to SPARC, P.O. Box 142, Absecon, N.J. 08021, for details and for tickets.

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4 SALE

Clegg FM-28, w/mobile mount, cord & base cord, contact Len, WA4FDO

Yaesu FT DX570, 80 thru 10, WWV on 10 MHz, 2 aux. positions, noise blanker, manual clarifier, contact Bill, WB2FJE, after 6:00 PM.

Astatic D-104 mike, \$20.00; HP 401 electronic VOM w/UHF attachments, \$50.00; call Jack, W2GQK,

Hygain Hy-Quad, 2 elem. tribander partly assembled but never up, a steal at \$140.00, contact George, KB2GW

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DUES R DUE

Don't forget!! See Bill, WA2VRY, or drop him a card (check enclosed) at his home QTH:

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Electronic World News

Ted (W2LVW's harmonic) announces a new Jim Pak catalog is ready and may be picked up at the store. Also, many new items have been added to the line. Mini computers and related gear are in stock. Be sure to see Ted, Rt. 45, K-Mart Plaza, Mantua, soon.

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DX Dope, Tnx to Westlink
Report and KE2M

GHANA appears active after years of silence. On Dec. 28th and 29th, a station using the callsign 9G1HT was heard on 20 meters. The operator, Hans, VE3CRG, said he has been in Ghana for 20 years, but has only now become active after the ban on Amateur Radio was lifted. Not listed in the '83 Callbook, he gave his QSL address as Box 351, Accra.

AMSTERDAM AND ST. PAUL ISLANDS, using FB8ZQ, are reported on 14.023 MHz at 0115Z and near 14.011 MHz at 0000Z. QSL via F6AJN.

BRUNEI, AS VS5HG, can be found on 14.216 at 1545 UCT, and says he often works 3795 KHz and up on 75 from 1430 to 1500Z as well.

THE MAINLAND CHINESE station, BY8AA, is again active with operations on 21.021 at 0300Z, 21.052 at 0240Z, 21.061 at 0130Z and near 14.050 MHz at 0100Z. They operate C.W. only, and QSL's go to Box 6106, Beijing, P.R.C. Tnx above, VE3FRA DX Report.

EK3CR IS OPERATING from the steamship Pavel Krochagin, which is transporting the 28th expedition to Antarctica. Look for him on 28.582, 28.682, 21.182, 21.282, 14.182 and 14.282 MHz between 0900 and 1800 Z. The station is running 150 watts into an inverted "vee" antenna. Y83ANT will be on from Antarctica during March and April. The operator will be Y44YK and QSL's should be sent direct to his C.B.A. Above items from "On the Amateur Bands" by Boris Stepanov, UA3WX as translated by W4KM.

AMSTERDAM & ST. PAUL (More info). Alain (FB8ZQ) meets PY2EP on most evenings at 2300Z. If the contact is made a list usually will be taken between 2300 and 2400 by J37AH on 14.218. The list then will be run at about 0100 on 14.218.

KX6JM IS ON FROM MARSHALL ISLAND. Look for him on 21.303 MHz at around 0030Z. QSL's go to Box 673, APO San Francisco, CA 96555.

MOROCCO, OPERATING AS CN2AQ can be found on 3505 kHz most days from 0600 to 0730Z.

VP8AOE ON SOUTH ORKNEY ISLAND can often be found near 14.210 MHz after 0300Z on Wednesdays. Also try VP8AOD at 0230Z daily on 14.207 MHz. QSL's for both stations go to KØJW.

6C35 IS A SPECIAL SYRIAN operation by 6C35A, 6C35M, 6C35N and 6C35O, and members of the Syrian Technical Institute of Radio to mark the 35th anniversary of Amateur Radio in YK-land. YK1AA was the first Syrian license, and issued in 1947.

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The Western Washington DX Club, with some 700 members, publishes perhaps the finest club newsletter we've seen...The Totem Tabloid. The following story appeared in their November issue.

EVIL IS IN THE MIND OF THE DXer

Sometime back, Ivan, UA9 and Chuck, W6 were chatting on the high end of 15. They heard a breaker and stood by:

"Good evening gentlemen. Excuse me for breaking into your QSO. You both have very good signals here. My name is Jin...3AB standing by."

Chuck and Ivan both gave Jin reports and the usual info. Then they asked for his prefix and QTH.

"Sorry, Oms, but I cannot give my QTH or prefix because amateur radio is not permitted in my country. Perhaps you can figure it out for yourselves.

"This is a small Asian country, not very advanced by your standards. Some time ago our government began to follow the ideology of a 'super power' and became very authoritarian. Most of our people are simple peasants and resented the government trying to force us into foreign ways. Eventually our rural areas drifted into armed rebellion.

"Alarmed that we might be slipping from its domination, the super-power invaded. We fought modern ground and air forces with simple hand weapons...and suffered terrible losses. Our ruling clique said it wasn't an invasion at all, merely 'help from our friends to put down the revolt!' But it became obvious what kind of 'friends' they were when they had our president (their friend!) assassinated.

"Perhaps you understand now why I cannot give my QTH. Anyway, thank you for the QSO and I hope someday I can give you my QSL information. 73 and DX."

With knowing smiles, Chuck wrote YA3AB in his log; Ivan wrote XV3AB in his. (tnx to K2JF)

FD Prep Underway

FD Ch'm Tony, WA2FZB, reports that choice band chairman slots are filling up rapidly. If you are interested in helping out and want a band chairmanship, you had better get in touch with Tony quickly. Other positions (Food Ch'm, etc.) are still open. June (Oh Yea!) is just around the corner (Hi).

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DA'S & DIT'S

WB1AOF recently up-graded to Extra Class and intends to keep his same call letters.

WA2NPD's QTH must look pretty good after all that paint has been applied. Returning from the Caves of Valley Forge, N2SI is back on the air again with a new radio.

N2BPN has an economy car that delivers forty miles per gallon. He hopes to lose sixty pounds. Hopefully - the result of the weight loss might mean forty-five miles per gallon????

WB2DXB - the Button Factory Entrepreneur (Come over and see me sometime) recommends VO as the best cold remedy. Sounds a lot better than a Contact pill to me.

WB2ONS is looking for anyone to go fishing with him. Does he mean ice fishing? If so, I'm ready.

Seems like W2OGZ suffers from numbness in the ears when the matter of who's paying the "tab" is discussed at the lunch table.

W2BV is in Florida watching the girls go by. Imagine! this gentleman has been in "Ham" for sixty-two years.

Another two wheel enthusiast WB2GUN is looking forward to riding with any Knievel followers when the weather breaks.

Recently WA2WOD visited WA3CPD who has come upon some misfortune. A very nice gesture on the part of WA2WOD.

de Eavesdropper

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CONTEST CORNER

Congratulations to WA200S, Tom Owen, whose CW Sweepstakes and CQ World-Wide SSB efforts (142K + 933K) earned our coveted MegaPoint Contesters Award. These scores underline the fact that Tom is a top-notch operator and I hope you will join me in congratulating him on this achievement and thanking him for his contribution to the club's contest program.

VHF Sweepstakes - Activity seemed good as quite a few club members were heard on Two-meter FM. Logs can be sent directly to the league (make sure GCARC is noted as your affiliated club) or given to me at the next meeting.

February is here and with it comes our Two-Land QSO Party and the ARRL DX CW contest.

Two-Land QSO Party announcement will be in this month's CQ and QST contest columns. All we need now is activity, drop down to the

low bands and make a few QSO's. Let other op's know you're a GCARC member; after all, this is your contest. Active club participation will help attract other participants (everyone loves a crowd!) See you on 40 meters!

The ARRL DX contest is one of the year's premier events. In addition to some great DX the W2SUA Challenge Cup is again at risk and will be awarded to the club member garnering the highest combined CW and SSB ARRL DX Test Scores. W2YC has dominated recent competition but could be in for some stiff competition this year if WA2OOS's recent scores are any indication.

Don't forget these dates:

Feb. 12-13: Two-Land Party

Feb. 19-20: ARRL DX Test - CW.

Logs for the above will be available at the meeting.

73

Dennis

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FCC REFUSES TO ISSUE BROADCAST CALL SIGN...RULES 'SEX' DIRTY

A very amusing story has recently surfaced from the FCC's Broadcast Bureau. Darrell Peters Productions, Inc., an Arlington Heights, Illinois, FM broadcaster and licensee of WTCO(FM) applied for the call sign WSEX. The FCC refused to issue the call sign stating that "a section of its rules requires call sign combinations to be in 'good taste'". The words "good taste" were underlined in red pen. Obviously someone at the FCC thinks SEX is dirty. WTCO was furious and shot back a Petition for Reconsideration pointing out that many other broadcast call sign combinations are also in questionable taste, but were issued anyway...among them, WPOT, WLAY, WSUC, WGAY, WDIX, WSUX and many others. The list was hilarious!

But their strongest argument for obtaining WSEX was overlooked, that being the fact that SEX is issued to amateur radio stations! K2SEX and K4SEX are amateur radio clubs. There are also W5SEX, K6SEX, W6SEX and W8SEX calls issued. But the classic is K8SEX, Jerry F. Krabill of (get this) Loveland, Ohio! (Ahhhh! The luck of the draw!) I guess SEX is OK for amateurs! Who said the FCC is not in the censorship business? It would be a good idea if the Broadcast Bureau got together with the Private Radio Bureau in the interest of consistency. Nuff said. A writer could have a field day with this one.

(Tnx to "W5YI Report" and K3WIL)

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ATARI HAS ROCKY NOVEMBER AND DECEMBER!

It isn't unusual for computer firms to be started by inquisitive Silicon Valley teenagers. Most of you know the story of Apple Computer and how two Steves (Jobs and Wozniak) threw a computer together in their garage. They are both multi-millionaires today. About 10 years ago, Bushnell (still in his 20s and fresh from the University of Utah campus) borrowed \$500 and started "SYZYGY" which was to be a video games venture. Since another firm was already using that name, "ATARI" (a Japanese game word) became the new company name. Bushnell invented "Pong" - a simple (by today's standards) electronic table tennis game that used a black and white TV display. It was the first coin-operated video game ans was an instant financial success. "Pong" was everywhere! Almost overnight, mechanical pinball machines died and were replaced by new technology interactive electronic CRT games.

Needing expansion/venture capital, Bushnell put Atari up for sale. It was bought by Warner Communications - a gutsy company that has a penchant for investing in unusual but potentially growing enterprises. (They own Mad Magazine, interactive cable-TV interests, the New York Cosmos soccer team...among others). Bushnell pocketed \$15 million out of that deal. Then came Pac-Man! Atari's growth was staggering! It seemed that Atari could do no wrong! Sales skyrocketed! They increased their value more than 20 times in the last four years - doubling in size every eight months! Atari accounts for nearly half of Warner's \$4.2 billion sales volume! While their claim to fame has been in video games, their Atari home computers account for over \$300 million... and they are just getting started. Atari spends four times as much money on advertising as IBM! Atari is now a household word everywhere! Their R&D budget is enormous...estimated at up to \$100 million a year.

(Tnx to "W5YI Report" and K3WIL)

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WHAT'S IN STORE FOR 1983?

I phoned the FCC's Private Radio Bureau last week to try and find out what rulemaking we could expect in 1983. I spoke to Johnny Johnston, W3BE, who is Chief of the Personal Radio Branch. He is the overall staff supervisor of the section that drafts the new rules. Naturally he couldn't tell me for sure what was going to happen, since it is the Commissioners (and not the staff) that make the decisions. But my experience has been that barring any interdepartmental disagreement (and it happens once in a while), the staff usually gets their way since they are the Commission's expert on Personal Radio. Johnny said we could expect...

(1) A Report & Order approving additional HF phone privileges on 20 meters.

(2) A Report & Order deleting all logging in the Amateur Radio Service. It is at the NPRM stage now.

(3) A Notice of Proposed Rulemaking changing power measurement procedures in the ARS.

(4) Final ruling providing that volunteer administered Novice tests will not have to be mailed back and corrected by the FCC.

(5) Rulings on the ARRL petitions proposing implementation of the Volunteer Amateur Testing Program (RM-4229) and 10-Year Term for Amateur Licenses (RM-4249).

(6) Authorization of more digital codes in the Amateur Radio Service, RM-4122.

Johnston also said that the No-Code Amateur License and 900-MHz PRCS (Personal Radio Communication Service) staff effort had been completed and had been submitted for a spot on the Commissioner's Agenda. NPRM's will probably be issued within a couple of weeks (early January), Johnny thought. The No-Code NPRM will propose two alternatives - removing the code from the Technician Class and a class similar to the Canadian Digital License. While the No-Code staff proposal runs to several pages, Johnny said, "...the 900-MHz document is 3/8 of an inch thick." (He measured it while I was on the phone with him.) The bottom line on the 900-MHz proposal is, "Do we want to get into this?" and many alternatives are suggested.

(Tnx to "W5YI Report" es K3WIL)

20 METER BEACONS

Looks like another scoop for TDXB! If you've tuned 14.100 lately and been puzzled, read on...a private group in the U.S. has funded eight 14 MHz beacon stations; three are now on the air and the other five will come on about January 1. They are:

<u>Time</u>	<u>Station</u>
XX:00	4U1UN/B Ny, NY
XX:01	K6OBO/B Stanford Univ, CA
XX:02	KH60/B Honolulu, HI
XX:03	JA2IGY Tokyo
XX:04	4X4TU/B Tel Aviv, Israel
XX:05	OH2B Espoo, Finland
XX:06	CT3B Madeira Islands
XX:07	ZS6DN/B Transvaal, S.A.

The current eight-beacon plan is for each beacon to transmit in sequence every 10 minutes, 24 hours a day. Except for ZS6DN/B, the stations transmit in order from east to west, beginning with 4U1UN/B. The sequence indicated above ("XX" is the hour) is repeated at XX:10, XX:20, etc. As other beacons are added to the net, the keying sequence and keying interval will be changed to accommodate the additional stations.

(Tnx to K2JF)