

# CROSSTALK

Published By And For The

\* GLOUCESTER COUNTY AMATEUR RADIO CLUB, W2MMD \*

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July, 1981

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N2AKL

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### Club Nets

2 Meter RTTY Nets: Thursday, 8:00 PM, DL7.5h

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 CROSSTALK to Doug Gehring, WA2NPD,

President's Message de KE2M

July 1981

The July Club Meeting will be, as usual, at the American Legion Hall in Franklinville on July 1st, with the traditional 8:00 PM start.

The July meeting will be programless to promote interclub communication and plenty of eyeball QSO's. Refreshments are on the house and we provide our own entertainment.

Picnic: The next club activity will be the Annual GCARC Picnic. See Bill, WA2VEE, for tickets and info.

Hamfest: With Field Day 1981 now history, our full attention should now be on making this year's Hamfest another winner. All ticket money collected should be returned as soon as possible. In any event, all ticket money and unsold tickets must be returned by the August Club Meeting.

Constitution: Following the first reading at the June meeting, Sunny, WB2DXB, will provide the second reading of the proposed revision to our constitution and conduct the voting.

The July Board of Directors' Meeting will be held on the 15th at 8:00 PM at the home of Howard, WA2IBZ, in Williamstown.

Would like to see all of you at the meeting this month.

73's  
de KE2M, Tom

Editorial

On The first Wednesday of each month, the adjournment of the GCARC business meeting at about 9:05 PM, seems to trigger a mass exodus towards the exits for perhaps 60% of our members present. It would appear that many seem to forget that the main event of the evening, "The Program", is yet to come! In fact, the sequence of importance to an amateur should be: No. 1, "The Program", (enlightenment, education, entertainment, advance the State of the Art, etc.), and No. 2, the business meeting (can't stay awake, necessary evil, QRM, etc.). Apparently, some of our members have their priorities reversed in this respect. To make matters worse, our Program Chairman this year has really presented some outstanding programs with excellent speakers and subjects. To have our chairman and speakers embarrassed by QSYing Ops is demoralizing at best.

Now, of course, we are not so naive to appreciate that some of you must leave early for perfectly valid reasons. But for many others there is very little--if any justification. Obviously, not every program will be "right-up-your-alley". However, common courtesy mandates that you don't leave our program chairman high and dry! And, who knows, you might even learn something important listening to some speaker who was prejudged to be not-up-your-alley! So let's try to "shape up" in this regard from now on. Tnx.

## Contest Corner

July 1981

This column is a final report of the activities in the 1980-81 contest season. Twenty club members participated in one or more of the ten contests which made up the season. The list below shows the calls of those members, their individual raw scores for this season, the number of contests in which each participated, each person's total megapoint points to date, and the megapoint award number held by those who have reached one million points.

Chart A: You might note in the above chart that Dave, W2YC, scored more points than all the other club contesters combined. And, of course, the first five listed are the winners of the club certificates for contributing the most contest points to the club for the season.

The next chart below shows each contest for the season, those who participated in each one, and their scores.

Chart B: If the new megapoint plaques are not ready by the July meeting it will be because the sheets of lucite for them are not ready yet. Finishing these five plaques is the last remaining thing to be accomplished before relinquishing the post to a new chairman.

I really do appreciate the contest activity by the nineteen club members who participated and I only regret I cannot continue as your chairman. I feel as if I only just got started. But, these disappointments are inevitable.

I'm pleased to tell you that Club President Tom, KE2M, has announced the appointment of Dennis Sandole, WB2GES, to the position of Club Contest Chairman. I wish you the best in the post, Dennis, and pledge my continued support of contesting as a club activity. Hopefully, more club members will become interested in working contests and enable the club to win more than one first-place victory we had this year.

73

Herb, K2HPV

(Ed. Note: Dennis will have a big pair of shoes to fill.).

### Chart A

### 1980-1981 Contest Season Data

<u>Call</u>	<u>Raw Scores</u>	<u>Total No. of Contests</u>	<u>Total Megapoint Points</u>	<u>Megapoint Award Number</u>
W2YC	2,182,405	4	11,643,688	7
N2CQ	521,803	3	11,265,116	2
K2SNK	479,372	2	1,209,664	18
N2ATD	264,040	1	1,158,883	14
K2HPV	259,668	8	1,924,175	11
K2JF	154,363	4	2,368,575	12
N2BCF	146,197	4	1,008,862	15
KE2M	89,125	1	310,373	
KN2QWO	76,014	1	799,939	
WB2GES	68,421	2	204,045	
WB2UVB	44,110	2	220,550	
KB2GI	23,260	3	443,470	
WA2PFC	9,744	1	1,515,765	13
W2GSN	9,646	2	295,360	
AE2V	5,480	1	1,000,398	17
WB2AOL	4,780	1	670,792	

CHART A (Continued)

<u>Call</u>	<u>Raw Scores</u>	<u>No. of Contests</u>	<u>Total Megapoint Points</u>	<u>Megapoint Award Number</u>
WB2LNR <sup>1</sup>	3,780	1	1,070,000	16
WA2SEA	2,600	1	170,300	
KB2GL	2,522	1	126,100	
KA2CQX	60	1	300	
Total	4,347,390			

<sup>1</sup>Note, WB2LNR earned his megapoint award all on VHF! A singularly difficult feat.

CHART BRaw Scores - 1980, 1981 ContestsCQ Worldwide DX SSB (10/80)

W2YC	334,332
N2ATD	264,040
K2SNK	228,452
KE2M	89,125
N2BCF	30,176

ARRL Sweepstakes CW (11/80)

N2BCF	62,176
K2HPV	41,600
WB2UVB	22,110
KA2CQX	60

ARRL Sweepstakes SSB (11/80)

N2BCF	35,400
WB2UVB	22,000

CQ Worldwide DX CW (11/80)

W2YC	1,085,803
N2CQ	67,397
K2HPV	25,714
N2BCF	18,445

ARRL VHF Sweepstakes (1/81)

K2JF	12,440
AE2V + WB2AOL	10,260
WA2PFC	9,744
WB2LNR	3,780
KB2GI	3,770
N2CQ	3,536
W2GSN	2,626
WA2SEA	2,600
KB2GL	2,522
K2HPV	240

Two-Land QSO Party (2/81)

K2HPV	11,850
WB2GES	11,960
K2JF	11,786
KB2GI	4,514

ARRL International DX SSB (3/81)

K2SNK	250,920
KN2QWO	76,014
W2YC	35,862
K2JF	21,600
KB2GI	14,976
K2HPV	12,600
W2GSN	7,020

ARRL International DX CW (3/81)

W2YC	726,408
N2CQ	450,870
K2JF	108,537
K2HPV	106,155

CQ Worldwide WPX SSB (3/81)

K2HPV	5,250
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CQ Worldwide WPX CW (5/81)

WB2GES	56,461
K2HPV	53,259

## FOR SALE

Linear Amplifier - SB200 in good condition and includes 10 meters. Includes manual and covercraft cover. \$250. Herb Schuler, K2HPV,

Vertical Antenna - Hy-Gain 18 AVT-WB all band (80-10) Trap vertical antenna. Includes manual. \$50. Herb Schuler, K2HPV,

QRP Rig - Argonaut 509 (5 watts); 4Q5 amplifier (100 watts) and pwr supply. All in best condition. \$125. Rick, KB3PD,

Lowrey Lincolnwood Organ Spinnet Model, perfect condition \$200. Contact Rosellan, K2RN,

## JOB OFFERS (?)

Electronic technician (?); 2-way radio service, mobiles, portables, beepers, car phones, etc. 2nd class FCC preferred and valid driver's license. Paid BC and HS and vehicle. Wages commensurate with ability. Call anytime. Wawan Communications Corp., Lindenwold, NJ.

## DA'S & DIT'S

N2BDA, did W2AJN ever get around to cleaning the garage and repairing the picture window? Maybe he's been too busy with Project Sewer Pipe.

W2WDC predicts a bumper crop of mosquitoes this year. Let's all hope he's wrong.

WB1AUF, happy to hear your vertical is going good.

N2AEP, is your Sabbatical Leave up yet? If so, the Club meets the first Wednesday of each month.

K2NR - Don't you think it's about time for a transmitter hunt - before the summer passes us by?

K2ZA - Hopes for a rapid recovery and a Q5 on progress. Maybe by now you are enjoying the passing scene from the old front porch.

W2NPD, hope your "clipping" problem has been overcome and everything is running smoothly. I am sure if you need help, K2EM would be most happy to offer.

Herr Burgermeister W2VMS is "Charge D'Affaires" of the Annual OCARC Picnic on July 18.

AE2Y & W2OZS - that seashore lawn must look beautiful after it was denuded of enough leaves to fill forth trash bags. What a back-breaking job.

The Four Horsemen are at it again! This time it's antennas. Wonder which one will be the best?

## DA'S & DIT'S CONTINUED

KD2T & crew - hope you enjoy camper life during Field Day festivities and the mosquitoes leave you all alone.

WB2GKH enjoy your trip. Hope you'll be back in time to attend the Hamfest.

Information Please? WB2DXB, what's the best time of day for "Happy Hour" at your Button Factory?

N2ASR is a member of the USS Olympic Net which operates from Penns-Landing in Philadelphia. The popularity of this Net has grown tremendously.

N2CME, Sorry to hear that your antenna was ripped-off! Welcome to the "Hit" Club.

Silent Key - Joe, WA2OZF.

### The Eavesdropper

#### Article Two on Antennas

by  
K2JF

In the last article we gave data on the gain aspects of beam antennas and their reference level. Thus, for beam antennas, the antenna power gain comes from the ability to focus the radio waves in a direction such that the signal sounds as though it comes from a much more powerful source. There are two other "Trueisms" that are known about antennas. To begin with, a good rule-of-thumb to remember when considering any antenna is: the gain of an antenna is proportional to the size of the antenna when compared to the size of the radio wave. Simply: big antennas have big gain, and little antennas have little gain; plus, miniature antennas may even exhibit signal loss instead of gain (rubber Ducky on 2 meters). The other "trueism", the "Higher-the-Better" is not as straight forward. For VHF and UHF it is an absolute; but, for MHF and HF it is not "necessarily so." Why for VHF and UHF? Here you have the effects of electromagnetic radiation of light and as you know, unless you use reflectors, light does not bend. Since VHF and UHF waves approach the wavelength of light the basic rules of optics now apply, and so the "Higher-the-Better." Why? You ask. The earth is a curved body and as such a person standing on the beach looking across the ocean sees the point where it appears that the sky touches the ground. This is the point of tangency and from here on the electromagnetic wave continues on a straight line, but the earth's curvature will move away from that point and the only way to reach the signal is to build an antenna tower that will move your antenna up into the signal area. Remember there is a slight bending, but not much. OK, how high must I go? Well here is a calculation that may make some people say they do not believe but that is their non-scientific emotional conditioning. If you are 6 feet tall and stand on the beach at the water's edge and gaze out to sea the distance you see before the sky touches the water is:  $D = 1.2 H$ , where  $H$  is your height in feet and  $D$  is the distance in miles. Then:  $D = 1.2\sqrt{6} = 2.94$  miles.

DX Dope (Tnx to KE2M)

Burma. XZ5A now has a three element Yagi antenna and is good copy on the East Coast of the United States. DU9RG and JA8BMK often help by running a list operation. Check 14205 KHz and 14225 KHz beginning around 0900Z. XZ5A has also been heard on 4170 KHz, 14200 KHz and 21270KHz at other times.

Malawi. 7Q7LW is still active but with an unpredictable operating schedule. Best place to look is on 15 meter SSB between 1500 and 1900Z.

RITV. HR2MC says that he is just about set to go pounding the keyboard.

Montserrat. Bob, VE1AVX, is now active on all bands as WP2MX. QSLS go to VE1ASJ.

Malawi. 7Q7LW, Les, has been worked at 1600Z on 21256 KHz and at 1500Z on 28486 KHz and 21300 KHz. QSLS go to Box 24, Miakatata, Malawi.

Republic of the Philippines. Robin, DU9RG, is often on 14205 KHz after 1030Z. QSLS to box 125, Cotabato, Republic of the Philippines.

East Malaysia. 9M3RN frequents 14237 KHz at 1030Z.

Rwanda. Wes, 9X5WP, has again become very active and frequents 15 and 20 meter SSB.

Reunion Island. FR0FLO is active daily from 0230 to 0300Z transmitting on 7075 KHz and listening on 7200 KHz. Also check for Herick on 14 MHz SSB from 1200Z through 1500Z.

Mongolia. JT0WA operated by a group of Czechoslovakian amateurs, will continue to look for North American QSOS from 2300Z to 2400Z around 21310 KHz. Also active is a special commemorative station JT60UB. QSL via OK1DWA.

Guam Listen for KB7IJ/KH2 at appropriate times on 20 Meter phone. QSLS go to Box 78, FPO San Francisco, California 96637.

India. VU2TF, Austin, is a regular on 21355 KHz at 1000Z.

Dodecanese. SV0BV/SV5 on Rhodes in the Dodecanese can often be found around 14225 KHz at 0100Z. Bob has plans for an operation from San Felix, CE0X, in September. QSLS go to Box 564, Athens, Greece.

Lord Howe Island. ZLLAM0 plans to be signing the call VK4ANSPXLH starting on 10 July.

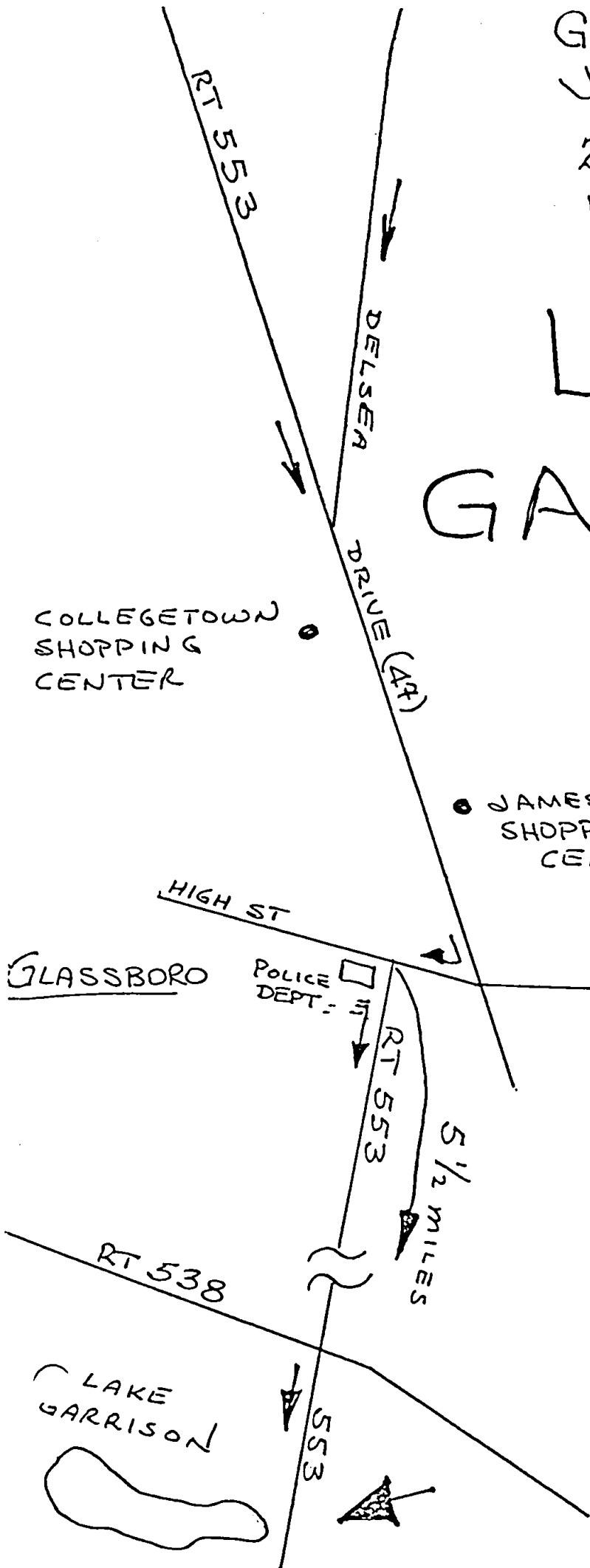
St. Paul Island. Four Canadians plan an all band expedition to St. Paul on or around 10 July. More information as available.

G.C.A.R.C. PICNIC  
JULY 18, 1981

2.00 / Adult

KIDS 16 & UNDER FREE!

# LAKE GARRISON



CONTACT:

BILL BACHMAN, WAZVEE

OR

AT FIELD DAY SITE!

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