

CROSSTALK
PUBLISHED BY AND FOR THE
GLOUCESTER COUNTY AMATEUR RADIO CLUB
(W2MMD)

*

G.C.A.R.C. OFFICERS

PRESIDENT	RAY MARTIN - WB2LNR
VICE PRESIDENT	JOHN BOKOLES - W2KI
TREASURE	ROSE ELLEN BILLS - N2RE
RECORDING SECT.	MARY JOE DARAKLIS - N2AJG
CORRESPONDENCE SECT.	ROSLYN MARDER - N2AKL

DIRECTORS

JOSH BREHM	AE2L
DAVID BACON	WB2ONW
SONNY GUTIN	WB2DXB
BILL HELMETAG	WA2VQG
GARY HITCHNER	WA2OMY
JACK KESSEL	AB2W

TRUSTEES

FRED COWGILL	WB2GEK
BARRY CAMPBELL	W2YZ
BILL FRAMBES	WB2FJE
JACK WHITE	WA2MEM

- COMMITTEES -

Program: John Bokoles - W2KI	A.R.E.S.: Harry McGovern - WA2SEA
Awards: Bill Bachman - WA2VEE	Technical: Bill Frambes - WB2FJE
Training: Chick Naylor - WA2USI	DX: Wayne Wood - W2SUA
Membership: Bill Helmetag - WA2VQG	Publicity: Sonny Gutin - WB2DXB
Contest: Ken Newman - N2CQ	House: Bob Ruple - WA2MMA
V.H.F. Tony Starr - WA2FZB	Historian: Della Parker - W2AFZ
Club call Trustee (W2MMD) Rose Ellen Bills - N2RE	

HAM-FEST CHAIRMAN ----- JOHN THILL - WA2OOX

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CLUB NETS

2 Meter FM 7B/18 Sunday 8:00 PM	6 Meter AM 50.9 Sunday 9:00 PM
10 Meter SSB 21.175 Friday 9:30 PM	15 Meter CW 21.175 Friday 7:30 PM
80 Meter CW 3.680 Call anytime.	80 Meter CW 3.705 Call anytime.

The regular meeting of the G.C.A.R.C., is the first wednesday of each month at the National Park Municipal Hall, National Park, N.J. Meeting time 8:00 PM.
Send all articles to be printed in Crosstalk to Jack Kessel/AB2W,

PRESIDENTS
CORNER

At the Board of Directors meeting we came up with one committee post which hasn't been filled yet, this is Field Day Chairman. Since I have heard nothing from Mark Wilson, I will be taking nominations from the floor at this meeting for the post. Another topic for discussion is our club badges. Everyone knows that if a member comes to a meeting without his or her badge on, they are going to be fined \$25. Lately we haven't been enforcing this, but from now on, Al/AE2V will be the one person in the club who will be checking us out. So you would be surprised at the amount of money this brings the club. As you read on this month you will find a Hamfest comm. It is a large undertaking by a few people and these few can use all the help they can get. Let's all pitch in and make sure this project gets off the ground and into the right perspective. Please relay any vital information to this comm. Keep in mind we are looking for a sight in a good location, someplace where people will find it easy to enter and exit onto good roads. Hopefully this will come off sometime in the late summer so let's all keep this in mind and help this Committee for a good G.C.A.R.C. "Hamfest 79". See you all at the next meeting.

(WB2LNR)

DIRECTORS MEETING

The January meeting came to order at 8:00 pm. in the home of AE2L/Josh. In attendance was; Ray/WB2LNR, Rose/N2RE, Mary Jo/N2AKL, Roslyn/N2AJG, Sonny/WB2DXB, John/W2KI, Dave/WB2ONW/nowKB2GJ, Bill/WA2VQG, and Jack/AB2W.

WB2LNR, reported that the meeting hall was being left in poor shape after the meetings and he had to go to a meeting at the Municipal Hall about the complaint. Ray could not go so John/W2KI went in his place, only to find when he arrived that the one who called the meeting didn't show up. W2KI said that the main complaint was not however with our club, but with another club that meets there.

NEW MEMBERS voted into the club: Jim Whitehead/N2AIX, Jim Doms/N2ATC, Bruce Painter/N2ASN, George Munns/KA2CWY, Pete Butler/?, George Munns/KA2CWY. DARRELL NERON/AB2E after a lot of work on his part has effected the 2-Land QSO party. NICE work Darrell. (see page 91, Jan. QST.)

N2RE reports 66 persons have paid dues. Some guys are still parking next to the Municipal Hall. DO NOT park there. It won't hurt to walk a block from the street. Also CLEAN-UP your butts and coffee cups.

PROGRAM FOR FEB. John/W2KI, has a good one for us on antennas. John will have Miles Brown/W2PAU at the meeting for a talk on Antennas. Miles is an engineer at RCA and has antennas up to 432MHz. Miles has also been on DXpeditions. It should be a good one.

RCA MODEL 14T302, 40 channel SSB and AM, brand new NOT MODIFIED cost \$125.00. Few available, Cost of crystal for modification \$6.00 from Sentry crystal, Crystal Park, Chickasha Okl. 73018. Units available in RCA Deptford Family store while they last. If interested contact K2JF.

NEW HAM LOOKING for first rig. (HF) call Bob/KA2DJH 589-4233 (used)

* MEET YOUR CLUB OFFICERS *

SONNY GUTIN

CLUB DIRECTOR, TECHNICIAN/WB2DXB

Sonny is in his first year of a three-year Director, and has been one of the mainstays of the club for many years. He first started in Amateur Radio in 1970 after being in CB from 1961. Sonny, after hearing Ham phone contacts on a 5 band receiver he had, decided to try for his Ham license.

Sonny has a fine assortment of rigs that include: Clegg 22'er, Icom 230, Lafayette 146A Kenwood 7400A, Midland 13-509, Gonset III, HW SB 300, Regency HR6 and Bearcat 210. with this he works 2AM, 2FM, 6FM and 220FM.

Sanny is a member of the G.C.A.R.C., ARES, RACES, Camdem County Auto Patch, SPARC, and Barnsboro Repeater ASSN.

Edith (his YL) and Sonny have 3 sons, Mitchell, Mathew (both married) and Barry a senior at the Wharton School, U of P. and a 2 year old grandson Aaron.

(WB2DXB)

AMATEUR AWARDS

ELMER AWARD: This an award that anyone can give to anyone. If you had someone help you with your Amateur License, and gave you that extra bit of help that you needed to get by the the test, then thisiswho the award was ment for. I gave one to WB2VCY, for without his help I would not hold the Extra class license today. So if you have an Elmer that stuck by you when everything seemed to be to much, Just send a SAE to the ARRL and ask for a Elmer Award. They will send it to you to fill out, and I'm sure it will be a siga of your appreciation to your Elmer.

(AB2W)

JOHN THILL/WB2OOX is the mon in charge of the hamfest comm. This could be a very big event for the G.C.A.R.C. So anyone that would like to give John a hand with this pse give him a call.VOLUNTEERS that have said they would help so far is:

Jim McDonald/WB2AoL, Steve Sosson/WBIAOF, Bill Mollenhauer/N2FZ, Bob Ruple/WA2MMA Bob Grimmer/KN2QWO. I think John will have something for everyone to do. Its a big job but it is in good hands.

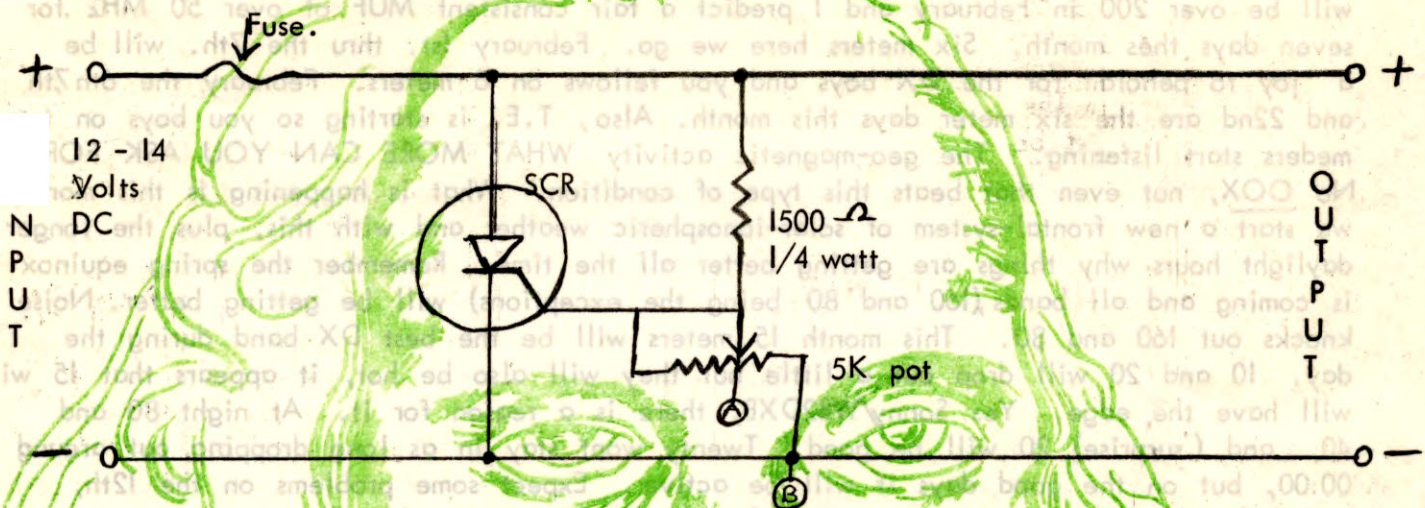
SCOTT LOOKHOLDER, WB6LHB, PLED GUILTY Wednesday to three counts of using abusive language over the air before Judge Lydig in Federal District Court of Los Angeles. The charges, wich stemmed from his operation as "W6JAM" on Los Angeles repeaters over the past year or so, are misdemeanors with a maximum sentence af a year in jail plus a fine for each count. Sentencing has been set for February 6th.

(H.R. REPORT)

FOR .SALE; II el. 6 Meter beam (KLM) \$50, DX Eng. speach processer for Drake TX New and mint cond. \$100.00, Super Carfone 500 2mtr. rig with GLB symthesezer, RCA Control Mic. all cables, full 2 mte. coverage, 80 wts. out. \$275.00 Call WB2OMY.....

" CROWBAR" OVERVOLTAGE PROTECTIVE CIRCUIT

for 12 - 14 volt DC supplies



SCR can have PVR rating of 50 volts and amp. rating high enough to blow the fuse. Fuse size less than maximum amps supply can deliver.

EXAMPLE: For 15 amp supply use a general electric C36F SCR. For a 25 amp supply use a GE C230F and for a 8 amp supply a GE C15F.

When setting up the circuit and the 5K pot, substitute a 12 V. lamp for the fuse and adjust the pot so the lamp lights as the input voltage is increased above 15 to 16 volts. Then replace the lamp with the proper fuse. The pot can be replaced with a fixed resistor equal to resistance between A & B so it cannot accidentally be changed.

(Ed/WA2PFC)

CODE, THEORY, regulations

Or should it be REGULATIONS Code, Theory.... I think that anyone who helps to bring a new Ham into the Amateur ranks, should stress the importance of U.S. and International Regulations. Being a hobby that is only as good as, the rules and the people that obey them, indeed! is no small thing. I think anyone can see this by looking at the Novice and General class license book, HALF of the questions are on Regulations and Operating Procedures. This phase of study by far has to be most important. If the significance of regulations and procedures is not stressed or is passed over lightly just to get by the test, I believe this to be a injustice to your fellow hams.

(AB2W)

FOR SALE

MFJ 200 frequency standard - Ten-Tec KR20 Keyer - Sonar FM3601 two meter transceiver, fully crystaled. --- AE2L; after 5:00 P.M.

SB 200 Amplifier mit extra finals. WB2FJE/Bill

Heathkit TXI transmitter, might even work! give-a-way. AB2W/Jack

PROPAGATION FORECAST FEBRUARY 1979

Up up and away, that is just what the solar cycle is doing. The present sun-spot condition just jumped right out of its skin. This activity is the most this young fellow has seen in his time as an amateur radio operator and that is since 1936. The solar flux will be over 200 in February and I predict a fair consistent MUF of over 50 MHz for seven days this month. Six meters here we go. February 1st. thru the 7th. will be a "joy to behold" for the DX boys and you fellows on 6 meters. February the 6th, 7th and 22nd are the six meter days this month. Also, T.E. is starting so you boys on two meters start listening. The geo-magnetic activity WHAT MORE CAN YOU ASK FOR? No OOX, not even that beats this type of condition. What is happening is this month we start a new frontal-system of solar-ionospheric weather and with this, plus the longer daylight hours why things are getting better all the time. Remember the spring equinox is coming and all bands (160 and 80 being the exceptions) will be getting better. Noise knocks out 160 and 80. This month 15 meters will be the best DX band during the day. 10 and 20 will drop out a little but they will also be hot, it appears that 15 will have the edge. Yes Sonny/WB2DXB, there is a reason for it. At night 80 and 40, and (surprise) 20 will be good. Twenty won't stay in as long dropping out around 00:00, but on the good days it will be active. Expect some problems on the 12th, and 15th. A change in the magnetic poles as the spots cross the solar equator, we may get some black-out but they won't last too long.

ALL THE TIMES PITMAN TIMES

160
Europe 1900 - 0200 peak 2230
So Pacific 0500 - 0700
Australasia 0500 - 0600
Carib. So. Amer. 2200 - 0300

80
Europe 1900 - 0200
So. Africa 2000 - 2300
So. Pacific 0200 - 0500
Carib. So. Amer. 2000 - 0500

40
Europe 1800 - 0200 peak 0030
Middle East 2000 - 2300
So. Pac; N. Zeal 0200 - 0500
Australasia 0400 - 0600
Carib; So. Amer. 1900 - 0600
Antarctica 0000 - 0400

VHF GOOD DAYS

1 - 2, 4, 6 - 7, 20 - 23

UHF GOOD DAYS

4, 6 - 7, 12*, 15*, 22.

* possible sporadic-E and T.E. days.

20
Europe 0600 - 2000
Middle East 1400 - 0000
Africa 1500 - 0100
Far East 0700 - 0900 & 2200-0000
So. Pac; N. Zeal. 2100 - 0300 & 0700-0900
Australasia 0800 - 1000 & 2300-0200
Caribbean 0500 - 0200 poor 10-1400
So. America 1700 - 0200
Antarctica 2100 - 0000

15
Europe - USSR 0800 - 1500
Africa 1000 - 1800
Far East 1700 - 1900
So. Pac; N. Zeal. 1600 - 2000
Caribbean 0700 - 2000
So. America 1500 - 2100
Antarctica 1800 - 2100

10
Europe 1000 - 1200
Africa 1000 - 1600 peak 1200
So. Pac; N. Zeal. 1600 - 1800
Australasia 1700 - 1800
Carib; So. Amer. 0800 - 1800

Well N2ATC, W2IFR and W2IRS and myself are doing some fine DX on our CB/10 rigs on AM. Also, SSB is quite hot. Let us hear from some more of you people on your CB/10 rigs. Remember 28.930 MHz. is the calling frequency. (K2JF/JOHN)

KEN'S-CONTEST CORNER - N2CQ

NOVICE ROUNDUP:

This is a good one for Novice and technician licensees, as well as anyone else new to contesting, to get started. See January QST for details. Logs will be available at the February meeting. Mail your own logs to ARRL directly since the postmark deadline is Mar. 5th which is prior to the next meeting. Let the contest committee know your score for Crosstalk. The club record belongs to WN2oSQ, Mark Wilson, with a total of 25,200 set back in 1974.

TWO-LAND QSO PARTY:

This is a new contest sponsored by a new South Jersey area club. Your participation will be appreciated to help get it off to a good start. Rules and log sheets will be available at the February meeting, and will be collected at the March meeting. Credit will also be given toward the Megapoint Award since there is interclub competition.

ARRL DX CONTEST:

Here is your best chance of the year to fatten your DX totals. The DX will never be better than during these two weekends. You can also help the club in our try to better last year's record score. Megapoint credit has been increased to three times your score for this year's shorter contest. This is your last chance until Oct. to get your million, so give it a good shot. See Jan. QST for more information. Log sheets will be available at the Feb. and Mar. meetings and will be collected at the Mar. and April meetings. Last year's team challenge seemed to spur competition, with 20 logs received. Are there any challenges to be heard for 1979?

STOP THE PRESS!! Yes there is a challenge for this year's DX test. AB2W, K2HPV, and N2CQ will take on all comers. BOY!! what a team. So let's hear from u big guns and small guns, at the next meeting. (AB2W) ps. we could use more help. HELP!!

VHF SWEEPSTAKES:

Don't forget to turn your logs at the Feb. meeting as the mail deadline is the following Monday. Results next month.

ARRL TEN METER AND 160 METER TESTS

Report your score if you participated. We will list them here if participation warranted. Several have been heard to say that the 10 meter conditions were superb.

CQ WORLDWIDE CW TEST:

Several scores have not yet been reported, so let us know how you did at the meeting. The mail deadline is past but several have not been reported for MEGAPOINT credit. Is YOURS one of them? (cont. next page)

When working a contest your rotor takes a beating. To cut down on the amount of turning the poor little thing had to do, I climbed the tower and loosened the clamps on the ant. mast. I then turned the ant. 180 degrees, from the North to the South. (the indicator in the shack at north) Most of the DX contacts come from the NE, or the NW. (Europe & Asia) So now I can swing the beam through North instead of going the long way around to get to West. It cuts the turning of your ant. by 1/2 to 2/3rds. Mark your indicator in the shack accordingly, North is now South and so on.

HAPPY VALENTINE'S DAY (AB2W)

CONTEST CORNER
cont.
NOVEMBER SWEEPSTAKES RESULTS

CALL	PHONE	CW	TOTAL	
W2KI (K2PO bpr)	151,950	128,020		(club record phone)
W2KI	**	128,020	279,970	(club record combined)
AB2E	111,888	105,120	217,008	
AA2Z	95,460	104,938	200,398	
N2CQ	**	134,250	**	(club record cw)
N2CQ (N2CQ, AE2V)	46,748	**	180,998	
WA2OMY	103,660	**	103,660	
K2HPV	17,980	39,000	56,980	
WA2OOS	**	51,084	51,084	
K2JF	31,360	12,160	43,520	
AB2W	**	32,230	32,230	
WB2OOG	**	29,500	29,500	
WB2FJE	25,400	**	25,400	
AI2B	23,760	**	23,760	
WA2FZB	**	70	**	
WA2FZB (WA2FZB, WB2AOL)	22,504	**	22,574	
WA2PFC	220	**	220	
CLUB TOTAL	630,930	636,372	(1,267,302)	---NEW CLUB RECORD

Vry fine report Ken. It is nice to see everyone working the contests. (AB2W)

THE PHONETIC ALPHABET

One of the fundamentals of communications between intelligent beings is the use of a symbol (sign, word, language, ect,) to carry a thought or idea from the sender to the receiver. Naturally, this symbol must be familiar to both the sender and the receiver. Naturally for this symbol to be effective and communications to take place. For example, the Morse Code is a grouping of familiar symbols. There are times when it is important to transmit the exact spelling of a word or call sign, often under less than ideal circuit conditions. A phonetic alphabet should be used in these cases, that is, a word is used as a symbol for each letter of the alphabet. The military services, and various others, have devised many such phonetic alphabets over the years.

The standard phonetic alphabet is called the "ICAO International Standard Phonetic Alphabet" and it was drafted by the International Telecommunications Union (ITU) and the International Civil Aviation Organization more than 20 years ago. It is used by air traffic control authorities, the military and many public safety or police organizations. The ARRL has recognized it as the preferred phonetic alphabet. Why, then are some amateurs perpetuating the use of one or more obsolete phonetic alphabets?

Remember, a symbol must be familiar to both the sender and the receiver! Deliberately using a non-standard phonetic alphabet violates that fundamental rule and leads to confusion which is precisely what we sought to avoid in the first place.

ALPHA, BRAVO, CHARLIE, DELTA, ECHO, FOXTROT, GOLF, HOTEL, INDIA, KILO, LIMA, MIKE, NOVEMBER, OSCAR, PAPA, QUEBEC, ROMEO, SIERRA, TANGO, UNIFORM, VICTOR, WHISKEY, X-RAY, YANKEE, ZULU.
(WA4AKU & WORLDRADIO)

One of our newer members, KAY COURSEY-WA2VRR, has been interested in amateur radio since she was a child of seven. As fate played a part in her life--her OM was also interested in radio. They have the instructors of the Bellmawr classes to thank for helping them realize a life long dream. Kay received her General Ticket in May 1978. Although she had not been in class for a while and had not used her brain to really do something like study for her amateur license, Kay found that after staying with it she found it was the end result that really counted. Congratulations to you Kay.

She found our GLOUCESTER COUNTY ARC a most welcome group and joined us without hesitation. We are happy to have you, Kay. It was as though she was among lifelong friends while actually only seeing us for the first time, Kay relates.

Another hobby for Kay is travel. She expects to enjoy 2-meters. Kay looks forward to great contacts from her home QTH at 1048 Lynwood Lane, Somerdale, New Jersey to the top of the mountain in the Poconos. She says she will be especially listening for Ireland.

As a special request of one of our most handsome members, here's the following to try sometime:

BUDAPEST BEEF GOULASH I 5 servings

$\frac{1}{4}$ cup shortening	$1\frac{1}{2}$ teaspoons salt
$1\frac{1}{2}$ pounds onions, coarsely chopped (about 4 cups)	1 tablespoon sweet paprika
$1\frac{1}{2}$ pounds chuck beef, cubed	1 small can tomato paste

1. In a heavy two-quart saucepan, heat the fat, add the onions and sauté until golden brown. Add the beef and cook over medium heat, stirring, until the beef loses its bright redness. Add the remaining ingredients.

2. Simmer very slowly, covered, until the beef is tender, one and one-half to two hours. If necessary, to prevent sticking, one-quarter cup water may be added.

BUDAPEST BEEF GOULASH II 5 servings

2 tablespoons fat	$1\frac{1}{2}$ pounds chuck beef, cubed
2 large onions, chopped	1 teaspoon tomato paste
1 small tomato, chopped	2 teaspoons salt
1 small green pepper, seeded and chopped	1 cup boiling water
1 tablespoon sweet paprika	2 large raw potatoes, diced

1. In a heavy two-and-one-half-quart saucepan, heat the fat, add the onions and cook until golden brown. Add the tomato, green pepper, paprika, beef, tomato paste and salt. Cook, stirring, over medium heat until the beef loses its bright redness.

2. Reduce the heat, add the water, cover and simmer one and one-half hours. Remove the meat, strain the gravy and return to the pan with the meat. Add the potatoes and simmer until tender, about one hour.