

**CROSSTALK -- Official Publication of the
GLOUCESTER COUNTY AMATEUR RADIO CLUB, W2MMD
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AREA NETS

GCARC RTTY NET:	Tuesday,	8:00 PM 147.78/18 Rptr
ARES NET:	Sunday,	8:00 PM 147.78/18 Rptr

Club Repeaters: 147.78/18, 223.06/224.66, 447.10/442.10

General Meeting: First Wednesday of each month at the V.F.W. Hall in Woodbury, NJ. Meetings begin at 8:00 pm sharp.

Contributions: CROSSTALK, Tony Starr,
Deadline: Ten (10) days before each general meeting.

PRESIDENT'S MESSAGE--October 1985

Well, we are quickly approaching the end of the year. Most of our big events and commitments are out of the way. It is now time to think of our new governing group. Please take the time to look and look hard for the people who you want to represent your club next year. Don't take the easy way out! Get out and suggest people and then get out and support the people you chose. This is a good club with a lot of good members. We offer much; please give something in return.

Don't forget the dinner dance, October 26 at O'Henry's. It is a fun night out and a good way to get acquainted with your fellow "Hams". Also, a reminder of the White Elephant Sale following the October meeting. Hope to see you there!

Tnx, Tom Gordon, KB2GI

OCTOBER PROGRAM

This month's fun-filled program will be our annual White Elephant Sale. Some of you may remember this event in past years when Ray, WB2LNR, acted as our auctioneer. We hope to have as much fun this year. For those of you who aren't familiar with the event, here's how it works:

Club members donate old relics from the basement and attic, (Electronic and radio equipment, preferably), to the club for auction. Anyone may purchase the equipment for the highest bid. The club keeps all the proceeds. For more valuable radio equipment, you may place the items on a consignment, with the club taking a modest percentage of the final sale price. You may, of course, indicate your minimum acceptable offer so that the auctioneer will know where to start the bidding.

So why not clean out your shack before the meeting and bring that junk to our White Elephant Sale; but PLEASE, if no one purchases your items, remember to bring them home with you when you leave. See you at the meeting.

ANNUAL CLUB BANQUET

The annual club banquet will be held on Saturday, October 26, 1985 at O'Henry's Restaurant (located on Route 47 North of Pitman). Cocktail hour will be 6:30 pm to 7:30 pm, with dinner being served from 7:30 pm to 9:30 pm. Dancing will be held after dinner. Price will be \$30.00 per person for non-club members. Members price will be \$30.00 minus the amount of your annual dues. All money is due by October 12; no later! Please note fish or beef when paying. Checks should be made out to the Gloucester County Amateur Radio Club. Pay at the meeting or mail your check to Roslyn Marder, N2AKL, 1734 Black Oak Road, Williamstown, NJ 08094. Tnx Ros, N2AKL.

WE MOURN...

It is with deep regret that we record the passing of Peg Bergin, K2INQ, who died on September 9, 1985, following a lengthy illness. Peg always came out to the club meetings when she could, and was quite a busy person, even during her illness. Peg was a Nurse-Researcher at Crozer-Chester Medical Center, and recently received her doctorate in Education from Temple University. A scholarship fund has been established in her name. Donations may be sent to:

The Dr. Margaret A. Bergin Scholarship Fund
c/o Crozer-Chester Medical Center
15th and Upland Streets
Chester, PA 19013

We will certainly miss seeing Peg at the meetings. The Board of Directors has discussed making a donation to the above scholarship fund in her memory. Tnx K2JF and K2HPV.

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I wish to express my appreciation to the members of the GCARC V.E. Team for their very successful operation and completion of the V.E. Testing endeavor. They gave, in one year's time, 462 examinations with a pass rate of 51.2%. Well done gang. Tnx K2JF

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Hugh Turnbull, W3ABC, the ARRL Atlantic Division Director, has been renominated and declared reelected for another term as Director at the ARRL Executive Committee Meeting 8/24/85. Tnx K2JF

LES BELLES

The Second Area ARC will hold their Fall Meeting in Northern New York State this week. This meeting is special for all YL's in New Jersey and New York as it will be a "Charter Party" because our affiliation will be presented by the SCM from ARRL according to a recent notice received from Leo Kluger, WB2TRN, Club Program Manager-ARRL. Any YL interested in joining SAYLARC, please contact me. The dues are small for all the 'goodies' you will receive.

EUREKA, EUREKA!

The leaning tower at 17 Craig Place, my QTH, is now up straight again, along with a new pole placed for the new 40/80 trapped dipole. Thanks to N2FJM, WB2LNR, WA2GFK and WB2CAK for all their efforts in making this all possible. 20/15/10 is once again a reality and my skeds with PY2JY, PY2MHB, VK3BIR, VK3KS, SP2FF and so on can be resumed. So nice also to join in the daily YL Nets on all bands. I am

the very first to admit the distance to come to my QTH may be quite a drawback as well as obligations at the home QTH and short time allowed to be away helping any others. However, every club member does not live adjacent to the meeting hall.

I wish to take this opportunity to thank the crew of Ginny, Ray, Joe and Jerry who came, especially on such a hot day, and, all the way from Franklinville, Pitman, and Voorhees making it at least 30 miles for all to drive.

I'm glad to continue being a member of GCARC even though I reside down here in Salem County where everything I attend means going about 35 miles to get to most any given point of meeting. It looks like I am back in business and perhaps pick up some more club members on the bands.

We will all miss Peg-K2INQ who passed on September 9th. She had just received her PhD in Education prior to her last battle with a health problem. Anyone can remember her by contributing to the Scholarship Fund being provided. My first contact, on CW, with Peg was in 1958 and we had been good friends since that time. God be with you, Peg.

'73, Rose Ellen Bills - N2RE

DA'S & DIT'S

N2BCF's garden has been producing abundant crops. What kind do you want?

Anywhere, any place is the motto of N2EBB in regard to Scuba Diving.

WA2VQG and WB2DXB are ardent golfers. Maybe they would be interested in a foursome.

Club members interested in packet radio are KE2M, WA2VXT, and KB2GW.

A five star rating for WA2GFK's excellent handling of the August 4th picnic.

After going through a rough July, WB2GES says "we have overcome".

Fit as a fiddle and ready for ---- ---- ----- ---- says K2PQD after an extended vacation.

After moving from one apartment to another, WB2CAK is wondering if he left any radio equipment behind.

W2UNI is looking for a computer that will make money. Can anyone help him?

Lots of luck to WB2VOH and Company in their business venture.

73, de "The Eavesdropper".

*Editor's note: This feature was intended for publication in the September issue but was not received in time. Our mysterious contributor informs us that he will no longer be "Eavesdropping". We are looking for someone to write this column. If you are interested, contact me confidentially.

SWAP & SHOP

FOR SALE:

KENWOOD EQUIPMENT: TS600 6 mtr all mode \$375.00. TS-700SP 2 mtr all mode \$430.00. TS-820S HF, new bands \$620.00

ICOM: IC-25A 2 mtr FM, \$200.00. IC-730 (HF) \$400.00. AT-100 auto ant tuner \$200.00.

HEATHKIT: Deluxe ant. tuner SA-2060, \$150.00. SB-201 Amp for 15 thru 80, \$350.00.

YAESU: FT207R, leather carrying case, spkr/mic, NC-1 battery charger \$175.00.

DRAKE: NB-7 noise blanker for TR-7, \$65.00. HS-75-padded headphones \$15.00 new.

For above items contact Tony Musero, K3UKW,

KENWOOD: TR9000 2 mtr all mode w/matching TS power supply , \$300.00 firm. Call NJ2D

HEATHKIT: VHF Dual wattmeter-model HM-2141 50 to 175 MHz, \$40.00. Call K2OWE

QST'S: 1984-85 -- Cheap. Ed Loveland, WA2PFC,

AWARDS

The following GCARC members have worked 80 or more club members;

Bill Frambes, WB2FJE	120 members worked
Harry McCormick, WA2SEA	100 members worked

Ray Metzger, AI2B	100 members worked
Ray Martin, WB2LNR	100 members worked
John Fisher, K2JF	100 members worked
Bill Bachman, WA2VEE	90 members worked
Doug Gehring, WA2NPD	80 members worked
Josh Brehm, AE2L	80 members worked
Ed Loveland, WA2PFC	80 members worked

Let's go now! Get your name on this list. You don't have to start out at the top, but you have to start. We issue a certificate for the first 15 club members worked, and endorsements thereafter. See Jack, K2ZA for details.

A letter from a concerned GCARC member:

As a member, I am very disappointed with what's happening to this club.

This club gives so much and gets so little in return. Why is it that everyone wants it all, but does not participate? We see this at so many functions! It's always the same few. Let me tell you, the same few are getting tired! Look, for instance, at what happened on field day; some members went their separate way to work as another group. Why couldn't these guys stay right where they belong?

The Hamfest, for the few who were there, worked very hard, many with not a break all day! Had there been more club members to donate time, the others would not have gone home so tired.

Long gone are the days when a group would get together to help another Ham do whatever came along. Where have all the good days gone, and the good hams?

Listen instead of look to what's going on at meetings; someone throws an idea out and some sit and complain -- well, if you don't like something then put your two cents in and get involved. Stop all this bickering amongst yourselves.

Where in any bi-laws does it say you are to be paid for all phone calls made for the club, or for gas money running an errand for the club? This is your hobby, your club, if you vounteer to do something that's what it means, "Volunteer".

I only write this article because I have always liked this club, I want to see us get back together as a group.

We have a President who is trying to do his best, let all of us support him. And for the sake of all Club Members - Please; when the next function comes down the pike, sign up, it's your club too!!!

INCENTIVE LICENSING

(Part one of two.)

From the data and the study going on in the FCC and the push from the ARRL it appears that Novices will be obtaining voice privileges sometime in the near future. "The comments are still jelling on this matter.", the FCC reported. "We will be putting something out on this around the end of the calendar year depending on how long it takes us to determine just what the consensus seems to be."

The ARRL's position is important to the FCC since the Commission considers it to also represent the position of the amateur community. The thinking behind enhanced Novice privileges is multi-purpose:

- (1) Telephony privileges will make entry level more attractive for newcomers (beginners, particularly those coming from the Citizens Band, are less than excited about being restricted to Morse Code only).
- (2) - Enhanced Novice privileges will add new growth the Amateur Radio Service (Competing services think amateurs have more spectrum than they need or use)
K2JF note: Just listen to 30, 15, 12, and 10 mtrs.
- (3) - It will also help protect our frequencies (like the 220 MHz band) from spectrum raids by other services (particularly the Land Mobile service).

Not many amateurs are aware that Novices once had voice privileges. Ironically, the decision to abolish Novice voice spectrum was part of an overall effort to "re-model and re-vitalize the Amateur Radio Service without changing its basic character and spirit and without depriving any amateur licensee of the major portion of his present operating privileges."

That controversial line is a quote from the rulemaking (Docket 67-978) enacted by the FCC in the 1967 Incentive Licensing Program. Many amateurs to this day have not forgiven the FCC for enacting this one...and the ARRL for supporting it. (Actually over half of the 1700 formal comments filed were in favor of Incentive Licensing! You asked for it!!)

It's been twenty years since the FCC started on their amateur radio service restructuring. While many of you have heard about "Incentive Licensing" (and some of the old timers gripe about it), most of you weren't amateurs back then. It is thought that a little interesting amateur regulatory history be given to you for your pleasure and elucidation.

"JUST WHAT DID INCENTIVE LICENSING DO?", will be the topic for the next CROSSTALK. If you want it, let the Editor know. Tnx W5YI/K2JF

U.S./JAPAN AMATEUR RECIPROCAL STATUS

Diplomatic notes were exchanged August 8th between the Japanese Minister of Foreign Affairs and the American embassy in Tokyo providing for Amateur reciprocal licensing between the United States and Japan. The amateurs of the United States are the first to be allowed reciprocal status in Japan. Tnx W5YI Report/K2JF.

FCC REPORT -- FCC'S RAY KOWALSKI ON RULEMAKING

His report on the PRB-1 - an FCC Declaration that antennas and their structures fall in the federal domain. "PRB-1 has been written by the staff and is in the process of being edited. It should be before the Commission sometime early this fall...probably in September or October." Tnx W5YI/K2JF.

LIFETIME GENERAL RADIOTELEPHONE OPERATOR LICENSE AVAILABLE.

Do you hold a First Class, Second Class or General Radiotelephone (Commercial) Operator license that was issued or renewed between January, 1979 and June 14, 1984? If you do, you need to take action!

The FCC is issuing a special lifetime commercial General Radiotelephone Operator license certificates during 1985. The license is free and are available upon request. To receive your lifetime license certificate, you must send your request to the same FCC field office that issued your last license. Include your full name as it appears on your license, your date of birth, and your license number. Write the words "Lifetime License" above the Field Office's address. If your present license has an endorsement, you must submit a copy of that license with your request. Enclose a SASE with a 39 cent postage. If you want your certificate delivered unfolded, enclose a 9-1/2" X 12" self-addressed envelope.

AMATEUR RADIO CALL SIGN DISTRICT 2 & 3 AS OF AUGUST 1, 1985

	EXTRA	ADVAN.	TECH/GEN	NOVICE
2	NM2B	KD2OG	N2FTA	KA2YZJ
3	KW3Y	KC3SZ	N3EMY	KA3OJP

TNX W5YI/K2JF.

DX...THE PRIBILOF ISLANDS...still have not been added to the DXCC country list. Somehow, contrary to custom, the issue was sent to the ARRL Board of Directors meeting held July 25 and 26 rather than to the ARRL Awards Committee. The directors tabled (put off ruling on) the issue. Tnx W5YI/K2JF

AMRAD the Amateur Radio Research and Development Corporation (a group of technically inclined amateurs), have had their Spread Spectrum STA (Special Temporary Authority) extended by the FCC until October 1985. They have been experimenting with live on-the-air spread spectrum (frequency hopping) signals. They are also looking for individuals interested in joining them. (P.O. Drawer 6148, McLean, VA 22106). Tnx W5YI/K2JF

902-928 BAND IS OURS!

GET READY TO BUY A NEW ANTENNA:

Acting on PR Docket 84 960, FCC has announced the availability of 902-928 MHz for use by all radio amateurs holding Technician Class licenses and above, effective 0001 UTC SEPTEMBER 28, 1985. Amateur use of the new band must be on a secondary, non-interference basis. Emission types NON, A1A, A2A, A2B, A3E, A3C, A3F, F1B, F2B, F3E, G3E, F3C, FF, F8E, and KPON have been authorized. There are some restrictions at the White Sands Missile Range. Tnx W5YI/K2JF

902-928 MHz BANDPLAN

This interim bandplan was adopted at the ARRL Board of Directors meeting, in THE ARRL LETTER, October 1984. The 902-928 MHz band will be available as of 0001 UTC September 28, 1985; see the last Letter for details. October 1984 QST will carry the full text of related changes to FCC Rules Part 97 Happenings.

<u>Segment</u>	<u>Use</u>
902-904 MHz	Narrow-bandwidth, weak-signal communications
902.0-902.8	SSTV, FAX, ACSB experimental
902.8-903.0	Reserved for EME, CW expansion
903.0-903.05	EME exclusive
903.07-903.08	CW beacons
903.1	CW, SSB calling frequency
903.4-903.6	Crossband Linear Translator inputs
903.6-903.8	Crossband Linear Translator outputs
903.8-904.0	Experimental beacons exclusive
904-906	Digital Communications
906-907	Narrow-bandwidth FM-simplex services, 25 kHz channels
906.50	National simplex frequency
907-910	FM repeater inputs, paired with 919-922 MHz; 119 pairs every 25 kHz, e.g. 907.025, 050, 075, etc., 908-920 MHz uncoordinated pair.
910-916	ATV
916-918	Digital communications
918-919	Narrow-bandwidth, FM control links and remote bases
919-922	FM repeater outputs, paired with 907-910 MHz

922-928

Wide-bandwidth experimental, simplex ATV, Spread Spectrum

Canadian amateurs note: The amateur service will continue to have secondary status in the band 902-928 MHz throughout Canada.

Before operation in this band, Canadian amateur licensees are required to consult with the DOC District Office to ensure interference will not be caused to other services operating in the area as per Section 45 of the General Radio Regulations Part 11, given in TRC 25. Government of Canada shipborne radiolocation service is permitted within 150 km of the East and West Coasts, Arctic Ocean, Hudson Bay, James Bay and up the St. Lawrence River as far as Rimouski on pre-coordinated channels in the 902-928 MHz band. Tnx The ARRL Letter and K2JF

DUES REDUCED FOR YOUNG LEAGUE MEMBERS

Know of any Hams who are age 17 or younger and are the oldest licensed amateurs in their families? Please pass the word along that ARRL membership dues rates for FULL members have been reduced for ages 13 through 17 to \$12.50, and for those 12 and younger the rate is only \$6.50. Prospective members meeting these qualifications must supply proof of their age (statement from a parent or guardian will do) and also provide a list of all licensed amateurs who are members of their family. Such memberships or renewals must be made directly to Headquarters and not through affiliated clubs. Tnx ARRL Letter/K2JF.

CQ DX HONOR ROLL

The following have just been reported in CQ pertaining to members of GCARC as members of the CQ DX HONOR ROLL:

S.S.B.

N2SS	311
W2SUA	310
N2ATD (NOW NJ2C)	288
K2JF	277

The CQ DX HONOR ROLL has two sections requiring that you work a minimum of 250 countries either S.S.B. or CW (no mixed). After the initial submission, to still be eligible, you must submit a new updated list yearly. Tnx CQ/K2JF

Congratulations to K2JF for receiving his 100 Diamond award from CQ for over 100 countries S.S.B. on 10 meters.

DA'S & DIT'S II

What is this we hear about NJ2C (Bud Mathis) submitting his cards to ARRL for 5BDXCC? Congratulations Bud.

BAND EDGES

I have been asked a number of times "How close can I set my dial to the band edge?" This question has not only been asked by beginners, but by experienced amateurs as well. We'll tell you how close you can go to get that rare DX QSL card- and avoid that rare FCC "QSL" card.

If you're operating near top edge (14.350 MHz) with the upper sideband, you must set your VFO dial at least 3 kHz away (down) to accommodate your sideband. Remember, ALL OF YOUR SIDEBANDS, must be confined within the amateur bands and subbands as applicable (97.63.(b)). Tnx K2JF (SNJ ATC)

420-430 MHz Axed Above Line A

In further action on PR Docket 84-960, effective 0001 UTC September 28, 1985, FCC has removed the segment 420-430 MHz from the Amateur Radio Service north of Line A. (Line A begins at Aberdeen, WA, runs through the southernmost point of Duluth, MN, continues through the Great Lakes region to the southernmost point of Bangor, ME, and terminates at the southernmost point of Searsport, ME.) This was done to protect Canadian Fixed and Mobile operation in this band. More background information appeared in QST's "Happenings," December, 1984.

Tnx the ARRL Letter and K2JF.

SATELLITE DATA

According to ASR, the AMSAT publication, the European spacelab D1 mission carrying three amateurs aboard is tentatively scheduled for November 7th. Uplinks 437.125 to 437.375 MHz - down links 145.450 to 145.575. Operation by two German and one Dutch amateur will be under the call: DP1OSL. Tnx W5YI and K2JF.