

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-- AUGUST 1986

Greetings Members,

I would like to thank all of you who participated in the American Cancer Society Bike-A-Thon. And a special thanks to Jerry Barnish, WB2CAK, for a job well done.

We will soon be having our Hamfest, but many of you have not turned in your ticket money. Please, sell your tickets; and send the money to Milt, K3WIL, soon! We need the money now!

We have been experiencing problems with our two-meter repeater. It seems to have a heat-sensitive problem, in the receiver around the crystal area. I have ordered new transmit and receive crystals from International Crystal Co. These will be precision cut to .0005 tolerance. This will allow me to remove capacitors that have been added by an unknown source to bring the present crystals, which are apparently bad, close to frequency. And it is these capacitors which I believe to be heat sensitive.

Thank You,
Joe DiNovi, WA2GFK.

AUGUST PROGRAM

This month marks the return of a very popular annual event which we have traditionally held at the August meeting. It is none other than the GCARC BEER NIGHT! For those of you who are newcomers, the ANNUAL BEER NIGHT is held in place of a program at the August meeting. It is an informal ragchew gathering after the close of the business portion of the meeting, where GCARC members can renew old friendships and make new ones, or just brag about our great Field Day scores. All this great conversation, and the club picks up the tab for the beer as well!!! So come on out to the meeting and say hello. Have a beer on us. If you are on the wagon this month, our House Chairman, Jim, N2AKI, brews the best cup of coffee in Woodbury! We hope to see you there Wednesday night.

FINAL REPORT-- FIELD DAY 1986

It is with great pride that we bring you this report. We will not hesitate to tell you that this year's Field Day was an absolute success for GCARC. Murphy tried to make an appearance or two when the gun went off at 2:00 PM, but our highly proficient techs had all stations on the air within an hour, and for the most part, all stations stayed on the air throughout the night, picking up enough contacts to put us well beyond our goal of 2000 QSO's.

Propagation was generally poor as we slid down into the final months of Cycle 21 of the sunspots. The comment heard around the site was that everyone had to really work hard for every contact. Several stations turned in impressive totals in spite of rotten band conditions, and they deserve to be mentioned here. The biggest news in this area was the 75m SSB team, headed up by your FD chairman, WA2FZB. This group of QSO-hungry Field Day junkies managed to pull 534 valid contacts out of the static crashes, edging out the 40m CW gang by about 50 or so contacts. We usually work a handful of W6's on 75 in the wee hours of the morning, but this time we didn't hear a single one. We only worked a few W7's and W0's, in fact, but we think we might have qualified for Worked All Ohio.

The 10m station, headed by Dan, N2FKT, turned in 148 contacts. This is really significant because it is about as good as any 10m score we have had, even during the peak of Cycle 21. Two other stations which did better than usual were 6m and 2m, with 96 and 103 contacts respectively. The greater share of our contact total was provided by the rest of the HF stations, which did quite well, although most of the band chairmen reported being disappointed by the lack of really good band openings. This problem will diminish in the next few years as we climb into sunspot Cycle 22.

So there you have it. Following this text you will find our contact totals listed along with our claimed score. We hope you are duly impressed. The Field Day Committee wishes to thank all who helped out this year in making this one of our best yet. Special thanks go to the Food and Beverage Committee, without whom Field Day would have been unpleasant for the senses. One thing which we found a burden was cleaning up the site and hauling away club equipment. This is because only five of us stayed on afterwards to do this. Next year, please try to stick around until everything is secured; as the job gets easier if more people lend a hand. See you next year at Field Day 1987!!!

	CW	Phone
80--	297	534
40--	486	261
20--	291	201
15--	17	120
10--	0	148
6--	7	89
2--	0	103
	----	----
TOTALS	1098	1456

Total CW:	1098	x 2	=	2196
Total Phone:	1456	x 1	=	1456

Total points: 3652 (Cont. on pg. 3)

Power Multiplier: 5w-- x 5, 150w-- x2, 1500w-- x1

3652 x 2 = 7304 + 300 Bonus points

Total Claimed Score: 7604

HAMFEST '86

By the time you read this months' Crosstalk, "Hamfest 86" will be just one month away. The committee has worked hard on this years' hamfest, making many changes we felt were much needed. The location, activities, and yes, the prices.

This year we will have a headstart on things because we can get onto the site the day before to set up. This will make things go smoother Sunday morning. Anyone is welcome to come out Saturday evening to the 4H Grounds around 6:00 to help. There will be a lot to do.

Time is running short. Please get your money and stubs turned in. Also, get your items to Len Kravitz for the club table.

Hope to see all of you August 24th.

73-- Ginny Martin, N2FJM

ROSE ELLEN BILLS N2RE

Our last visit with Rose Ellen, N2RE, was Monday afternoon on June 16th. Gisele, K3WAJ, had just left and Rose Ellen was talking to Sonny, WB2DXB, on the telephone. We took the phone from Rose Ellen as the nurse came into the room with hot tea and crackers. Rose Ellen had been sick in the stomach and very weak. She was really glad to see us and hoped that all who had telephoned and did not get an answer would realize she was too weak to pick up the phone. Rose Ellen was hooked up to numerous pieces of medical equipment. However, her spirits were "super", she smiled while talking of future Amateur Radio functions. Laughingly, she said she was going to give up coffee and become a "tea drinker". She wanted to thank all for her beautiful flowers. We then read her stack of get well cards, she was happy with so many from all over the country.

Rose Ellen said she never dreamed she would be in a hospital bed with so many things to do, like the PJYL luncheon. The table is still set for ten people at her home in Pennsville, the wine and the "goodies" are still in the refrigerator.

While visiting we made plans for future happenings and then we decided to leave and allow her to rest. On leaving she said, "Myrt, aren't you just so happy to be a ham?" We kissed goodbye and before going out the door, she said, "Good-bye Glenn, remember; live for today, because you never know, look at me here in this bed." We left saying we would be back tomorrow, we love you and miss you, get well.

Today, Tuesday, June 24th, we went to her funeral and really said our final goodbye. We did love her and we most certainly all will miss Rose Ellen, N2RE. (1920-1986)

Myrtle Farnsworth, N2AKC

In honor of Rose Ellen, I would like to try to take over writing "Les Belles". I cannot promise there will be an article every month, but will give it my best effort!

Respectfully,
Virginia Martin, N2FJM

LES BELLES

We are glad to see so many new YL's and XYL's joining GCARC. Here is a little biography on some of them.

Beth Barnish is one of our newest XYL's to join the club. Beth is already active, she was found logging for Jerry & Art at Field Day. Beth has even committed herself to help at hamfest. She is not yet licensed, but rumor has it she will be next! Good luck and welcome aboard.

Joanne Weiler, KA2ZRN, Joanne got her license this past year, she has been unable to attend meetings, but has been a big help to me this year. Joanne has set up all the Children's Activities for the Hamfest and bought the prizes for the children. I know she has put a lot of work into this big job. Come on out and give her some help. Thanks Joanne for doing a great job.

Roslyn Marder, N2AKL, Ros as some know her, is an old timer in ham radio, she holds her Technician license. Since Roslyn has been with GCARC she has gotten involved. You will find her at Field Day feeding everyone. She has done a fine job setting up some lovely banquets. She also keeps busy at the Hamfest selling tickets at the gate or helps hand out hotdogs and sodas. Thanks to Roslyn for her services over the years.

Irma Colabrese, N2FNF. Irma is a relatively new member; she is a

Technician. Irma has been married to Chuck, WA2TML, for a year. Congratulations! Since Irma has been a member of the club, she's been always willing to help out. She was at Field Day helping Roslyn prepare all the food. She has sold tickets at the gate and served hotdogs and sodas at the Hamfest. Keep up the great work Irma.

Because of limited space. I shall talk about Myrtle Farnsworth N2AKC, and Marla Bozarth, N2DWR, next issue.

These ladies are all welcome, the club needs you and appreciates you.

73 Ginny Martin, N2FJM

CONTEST CORNER

There is not a lot to report this month contest wise. There was a lot of activity in the CW VHF WPX Contest and some in the IARU HF Contest.

Next month there is a UHF Contest sponsored by the ARRL, which I somehow managed to not have sheets for at the last meeting. Since it is before our meeting there is little I can do about that now.

PLEASE NOTE: I only need copies of those contests which have club entries. I supply forms for as many contests as I can for members' convenience, but don't need to know your results. I only have limited file space so will only retain those which are necessary.

The following is a list of future contests:

MONTH	DATES	CONTEST
AUGUST	2-3	ARRL UHF CONTEST
	9-10	European CW Contest
	16-17	New Jersey QSO Party
	23-24	All Asian DX Contest, CW
SEPTEMBER	7	LZ-DX Contest, CW
	13-14	ARRL SEPTEMBER QSO PARTY
	13-14	European DX Contest, Phone
	20	CRRI Can-Am Contest, Phone
	21	CRRL Can-Am Contest, CW
OCTOBER	4-5	VK/ZI Oceania Contest, SSB
	11-12	VK/ZL Oceania Contest, CW
	12	RSGB 21/28 MHz SSB Contest
	15-16	YRYL Anniversary CW Party
	18	RSGB 21 MHz CW Contest
	18-19	Boy Scouts Jamboree

OCTOBER(Cont.)	18-20	CARTIG RTTY Contest
	25-26	CQ WW DX Contest, Phone
	29-31	YRYL Anniversary SSB Party
NOVEMBER	1-2	ARRL SWEEPSTAKES, CW
	8	YL/OM Contest
	8-9	European RTTY Contest
	15-16	ARRL SWEEPSTAKES, PHONE
	29-30	CQ WW DX CONTEST, CW
DECEMBER	5-6-7	ARRL 160 METER CONTEST
	13-14	ARRL 10 METER CONTEST

I am setting up a database for megapoint award records!

TRY A LITTLE CONTESTING-- YOU MIGHT ENJOY IT!!!!

(Tnx ARRL, CQ, QST, 73, WORLD RADIO)

de KB2GW

If you have club equipment in your possession, which you would like to turn in for storage in the club's shed, either bring it to the club meeting and turn it over to Al Trueblood, or call Al and he will pick it up.

NEW CYCLE SPOTS SIGHTED

The Space Environment Services Center of the US Department of Commerce at Boulder, Colorado has reported that the first sun spots of what will be the next solar cycle (Cycle 22) have been sighted. While sunspots from Cycle 21 are still occurring near the solar equator, the spots from the upcoming new cycle are seen at higher solar latitudes and with reversed polarity of the magnetic fields which surround them. This is an observable pattern on the sun itself that confirms that the end of one cycle is near and that a new cycle will soon begin. Scientifically, the date for the ending of one cycle and the beginning of a new cycle is now taken as the month during which the spots associated with the old cycle are approximately equal to the number of spots seen from the new cycle. If the present rate of decrease in old cycle spots continues, with a corresponding increase in new cycle spots, the changeover date from Cycle 21 to Cycle 22 is likely to occur by the end of the year (1986). Tnx CQ/K2JF

FCC GEARS UP TO REIMPOSE LICENSE FEES

As expected the FCC has released a Notice of Proposed Rulemaking the first week of July seeking to implement certain provisions of the Consolidated Omnibus Budget Reconciliation Act of 1985 (P. L. No. 99-272). The FCC proposal for fee collection would be guided by three principles:

- (a) Fee collection should not adversely affect FCC application processing and equipment authorization programs
- (b) Fees should be collected and deposited in the most cost effective manner possible
- (c) Fees should impose little or no paperwork burden on the public

Further information will be given when the full impact of the NPRM is broken down and how it will affect Amateur license. Tnx W5YI/K2JF

The 3 1/2" floppy will eventually become the magnetic media storage standard for micros. It can store more data, is sturdier and more reliable. IBM now is supporting microfloppies. Only accounting for 2% of the 372 million disks sold last year, 3 1/2"'s will outsell 5 1/4" by 1990. Most will be made in Japan by Sony, Maxell, and Fuji (who else!). Cost will drop to 60 cents. Polaroid, Kodak, 3M, Xidex also gearing up. Tnx W5YI/K2JF

JAPANESE HAM SATELLITE TO LAUNCH 2000 UTC JULY 31ST

It will be known as JAS-1. The telemetry, electronics and transponders were designed by JAMSAT volunteer engineers. It will circle the earth every two hours- yeilding about 8 passes per day, each with a 20 minute window.

Mode JA- (voice) A ground station with a 10 watt 2 meter SSB transmitter and a 10 dBi beam for uplink and a 70 cm receiver and a 15 dBi beam for downlink should be adequate. The transponder will have an output of 1 watt pep. Passband is 100 kHz wide.

Uplink channel: 145.90 - 146.00 MHz LSB
Downlink channel: 435.80 - 435.90 MHz USB

Tnx W5YI/K2JF

SUSPECT RADIO SALES

BA-279 BATTERY PACK

BA-279U, originally cost Uncle Sam \$450.00, designed to power the AMC/345 LF/UHF transceiver with the following voltages: 2.4 volts at 35 amps, 16 volts at 20 amps, 44 volts at 450 amps, 145 volts at 6 amps, 350 volts at .5 amp, and 22KV at 1500 amps. These batteries are completely dead and have been that way for 40 years. NOT RECHARGEABLE. Shipping weight 350 lbs. Price: \$35.00 (used)

NAV WALKIE-TALKIE

This is the original NAV Walkie-Talkie, just the units for your local radio club's public service activities. These portable transceivers operate on a single frequency somewhere between 3.1 and 3.2 MHz with an output power of 25 mW. Have control to push for talking and release for listening. Uses four model 87B tubes (not available) and special 766 138V power supply (not available). Also utilizes PE-9000 dynamotor and 400Hz to 200Hz frequency converter and DC rectifier pack (not available). Shipping weight 475 lbs. Price: Only \$349.95 each or two units for \$699.95. Shipped motor freight FOB our warehouse. Some of these units have salt water markings on them from landings in the Pacific during the big war (WW II) but operation is unaffected except in some cases. See below for accessories.

T49 RECTAL MICROPHONE: \$299.95 (used but clean)

J44 TELEGRAPH KEY w/ shorting bar: \$16.50 (no longer available)
(NAV will not operate without this unit.)

H22 HEADSET: \$2.00 (used) without special connector (required)

P98 6-Circuit connector for H22 headset: \$29.95 (new)

CC-9-88765B3 6-section antenna, extends to 340 feet (see guy kit below) and folds down to 65 feet for storage and transport (see antenna trailer kit below): \$2,795.00 (used) not shippable, pick-up only.

G87 GUYING KIT for above, consists of 14 guy wires and anchors (requires approx. 65 cu. ft. of concrete per anchor) \$199.95

TR-135A TRANSPORT TRAILER for CC-9 series antennas. Consists of 60 foot trailer, dual axles, and requires eight 22 X 135 truck tires (not available). Shipping weight 4200 lbs. (used) Most units damaged. Price: \$2344.00

VISA/MASTERCARD

TNX "The Atlanta Ham"