

CROSSTALK

Published By And For The
GLOUCESTER COUNTY AMATEUR RADIO CLUB, W2MMD*

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Program:	Harry Maxfield, WA2VXT	Technical:	Chuck Colabrese, WA2TML
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Contests:	Dennis Sandole, WB2GES	Historian:	Della Parker, W2AFZ
Hamfest:	Harry Jackson, WB2GSF	Club	
Field Day:	Tony Starr, WA2FZB	License:	Rose Ellen Bills, N2RE
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Legislative:	John Fisher, K2JF	L.R.P.:	Doug Gehring, WA2NPD
Investment:	Sonny Gutin, WB2DXB		

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CROSSTALK STAFF

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Pinky Wilson, Typist	Al Trueblood, KA2KGD, Circulation
John Sutocky, KB2GL, Printer	Milt Goldman, K3WIL, Publisher

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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 PM.

Please send any contributions for CROSSTALK to Doug Gehring, WA2NPD,

Deadline for submissions is 10 days before the Club Meeting.

PRESIDENTS MESSAGE, AUG. 1983

August 1 marked the transfer date when the GCARC took over the operational responsibility and control of both a 2 Mtr. and a 220 MHz repeater. This is a tremendous step forward for the club and a big responsibility as well. The equipment was transferred to the club from the Barnsboro Repeater Assoc. and , on behalf of the GCARC, I want to officially thank them and let them know we intend to maintain and utilize the repeaters as they were originally intended.

THANK YOU BARNSBORO REPEATER ASSOC. FROM THE GCARC!

The Bide-a-Thon is now history. Every year this event gets bigger and therefore means more work for those in charge. One worry the American Cancer Society does not have is with communications which have been ably handled by the GCARC. This year the committee did a suburb job and I want to thank Harry, WA2VXT, his committee, and all of you who gave of your time to participate in this very worthwhile annual event.

The Hamfest on Aug. 28th is our next big club function and I hope to see you all there. WE Need Your Ticket Money, so please bring it to the club meeting and turn it in to one of the Hamfest committee members. The committee is still looking for help. If you can spare some time at the Hamfest please see Harry, WB2GSF, or anyone on his committee and tell them you would like to help.

73's
Russ, N2ASV

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PROGRAM

Chairman, Harry, WA2VXT, informs us that this months program will be the annual, long-sought-after, eyeball QSO Beer nite. For those who recall last year's wing-ding, it has been 365 days to wait for this year. A new wrinkle has been added in that, in addition to chips and pretzels, we will also have cold cuts, rolls, etc. etc.!! WOW! So, Harry sez go easy at dinner time --- SAVE your appetite. The fare will be super. CU There.

de WA2VXT.

HAMFEST - 1983

Well gang, August 28th is drawing nigh! Have you unloaded your 10 tickets yet? Why not? We need your support. Did you pick-up a second 10 yet? We want to make this year's affair even bigger and better than last year! Chairman Harry, WB2GSF, reports that plans are proceeding nicely, generally; but that there is still room for some warm bodies to help with various aspects. So please check with Harry during the Club meeting (eyeball QSO time) and see where you might lend a hand for an hour or two.

K2JF has checked his astro charts and has been promised a warm, pleasant day, sunshine, and temperatures in the high seventies: So how about that! So reserve that date today! Bring the whole family, if necessary. There is something there for everyone. For those of you who want to upgrade, remember the FCC will be there to give you your test, Good luck to all. Remember the big first prizes !! A Franklin Ace 1000 Computer and a Yaesu FT208R! GREAT !!

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NEW MEMBERSHIP CHAIRMAN

We are pleased to announce that Jim, KA2OSV, has agreed to serve as membership chairman following the resignation of Fred, KB2BF. Jim hails from over in Woodlynne and has his Tech. License. Many thanks to Fred for his fine work during the past couple of years and best wishes to Jim in this most important job role in the Club.

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CODE CLASSES THIS FALL

This fall, probably beginning about mid September, the Club will sponsor beginners code and theory class leading towards either the Novice or Technician License. Thanks to Bill, N2BK, we have secured a room at Glassboro State College for Monday evenings in which to hold the class. The starting date and time will be announced next month. Also, Chick, WA2USI, informs that if instructors can be found and if enough are interested, possibly an Advanced - Extra Class class can be arranged. More on this later on. So pass the word on to those XYL's, harmonics, budding young hams etc. that heres your chance to go for that FCC Green light!

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SICK BAY REPORT

We regret to report that John, WB2GKH, is in the hospital (Cooper in Camden) undergoing tests and treatment. Hopefully, by the time you read this he will be home and feeling much better. All our thoughts and concerns are with you, John.

FD, 1983

Dawn burst forth that fatefull Saturday AM upon a few forlorn GCARC souls erecting antennas out in the canebrake (they had GCARC hats with emblems attached) - soon to be joined by an increasing throng of bleary - eyed stiffs who, with a final grunt of perserverance, staked the final guy line in place. The starting gun found the following stalwarts flying towards the finish line: 80 phone with Tony, WA2FZB, a last minute band chairman replacement for KC2ME (who had to work), at the throttle only to immediately find that Murphy was his copilot! The Heath power supply "shot-its-wad"

and except for the quick action and graciousness of WA2TML (who supplied another), the 80M station would have expired at the outset. With Jim, KA2OSV, and Phil, WB2ONS providing the primary backup, the station limped home with, considering the start-up delay, a not disrespectful 128 QSO's. And considering the fact that WA2FZB did double duty (he was, of course, overall FD Chairman), Tony must be commended for a very fine effort this year! His aerial plot plan was sheer genius and Tony's attention to detail was beyond reproach. There were No reports of X-band interference (Amen!) Perhaps next year he will do something about the plethora of softball players whose "bombs" charging down the dirt road soon transformed the site into a sahara sirocco. Perhaps next year a few land mines conveniently burried at strategic locations along the camel path may suffice.

The 40M phone station found Wayne, WA2LET, with right and left hand ops Chuck, WA2TML, and Stan, N2AJJ, holding forth in professional style. As to be expected, based on WA2LET's proven experience from his tenure as chairman for the past 2 years, this station was expected to score well and it did not disappoint turning in a commendable score of 271 QSO's in the BCI infested band. As in past years, top Kudos were again awarded the N2CQ CW station (40M) as 538 QSO's were hammered out. Ken and his henchmen (Dennis, WB2GES, Doug, WA2NPD, and new comer Bill, N2BK) kept the key flying throughout with Bill doing a fine job holding down the grave yard shift. It was suggested that, if fewer 807's were consumed, this crew would have done even better. The 20M phone station was erected by chairman Fred, KB2BF, or, well, almost erected. With gallant help from others - primarily Walt, WB2OYQ, the balloon antenna was almost aloft a time of two but eventually lost out to the cruel zephyrs who refused to diminish below 17 knots. Hence, the horizontal inverted VEE wouldn't properly load with the apex a mere 18 inches above natural ground. Nevertheless, a yagi materialized soon thereafter and a respectable 187 QSO's were recorded. In perhaps the worst case of Murphy ever recorded, the 20 M CW station with Neil, K2RCH, in the crash seat, appeared to be caught on the ground reminiscent of MacArthur's air force at Clark in 1941. Fisrt the tower never arrived as promised - then the yagi was revealed to have 2 bad traps. As these problems were resolved and the station fired-up, the K2RCH generator seized-up! This eventually was unfrozen by massive infusions of oil into the cylinders -- but by then it was time to go home (7 QSO's were recorded). All was not lost however, as a fine job was turned in on the 6M rig (John, K2JF, at the mike) with 50 QSO's and by Neil on 2M with 52 QSO's. The better luck next time yarn (20CW) goes without saying as being somewhat trite in view of the tragedy here. As forlorn was the situation on 20 CW, an entirely opposite sequel unfolded at the AB2W 15 M station. Jack was expertly assisted by Herb, K2HPV, Dave, KD2T, (anyone else?) and they turned in an excellent 180 and 102 QSO's on EW and SSB respectively. Their 282 total was unquestionably a very bright light on the score pad. Last, but hardly least, Ed, WA2PFC, eked out 5 QSO's on 220 all with Solar Power Source! This was good for a 150 pt. bonus. Nice going Ed!

We earned bonus pts for publicity, ARRL message, portable power, - all for an unofficial total of 5620 pts. Perhaps not out top effort ever, but not bad.

Tremendous thanks must again go to Ralph, WA2DYO who with the super help of Ray, A12B, gave us 24 hour (well-almost) power. Without Ralph's expertise we would be "high-an-dry".

It goes without saying that the culinary arts of John, WA2VHR, and Mary Jo, N2AJG, and to the others who helped with the food, were greatly appreciated. Great thanks must be extended to John and Mary Jo who headed-up this critically important part of the weekend, for the GCARC Army truly runs on its stomach! Also thanks to all those others who helped out with set-up, take-down, etc. Hope to CU all next year.

NEW CLUB REPEATER UP!

This was reported elsewhere (see our Prexy's column). You may have already noticed that the Club call, W2MMD, has already been substituted for the id. For those who are comparatively new to the club, the club call, W2MMD, belonged to charter member Mal Mason (now deceased) whose tireless efforts on behalf of the club were legend. Mal participated in virtually every club function imaginable and always did a thorough, super, first class job. His exploits would consume half of a normal issue of X-talk. With the consent of Mals widow, the Club applied for and received the W2MMD call in 1967.

4 - SALE DEPT.

Trade or Swap: 15' Alum. canoe, excellent cond., for 2M or 220 M Handheld, or will consider mobile rig. Contact Mike, KA2QWT/PA,

1. Drake T-4XB and Drake AC-4 pwr supply w 3 xtra xtals included, also has the 10 MHz band. FB cond., \$275.00.
 2. Heath HW 100 XCVR w CW Filter and Heath PS-23 supply; FB cond., \$275.00.
- 4 Above two items contact Bill, N2BK,

Tower, E-Z Way, Crank up, 73 feet, with mast & thrust bearing, hot dipped galvanized, u-pick-up; \$500.00.

6 Meter IC505, portable, 10 watts, \$300.00.

2 Meter FT 203 R, 25 Watts, 10 Memories, (non-volatile), scanning, in small case. \$224.00.

4 above 3 items contact Tom, AD3V,

(Wilm. DE.).

DA'S & DIT'S

Will Jack Daniels be shadowing K2JF during the Ham Fest?

Is anyone interested in joining WA2VXT and WB2NPE for some jogging in the Pine Barrens?

Is it true that WB2GSF and K2HPV have become computer procrastinators?

If WA2VEE ever attempts to take a ride in a balloon, he better take a parachute along with him.

During the summer months, WB2OYQ has been operating from the "cave", wherever that is.

Our President, N2ASV has become computerized.

During the heat spell, KA2KMW has been enjoying the luxury of midnight dips in his pool.

WB2AOL has finished another term in college and we hope he is enjoying his vacation at home.

WB3JVX volunteered to man a station at the Atlantic City bike-a-thon. His mobile is equipped with two meter - 220 and 440.

73's de Eavesdropper

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CONGRATULATIONS TO --

KC2ME, Barry, who finished 1st in SNJ with an impressive 300 K + pts in the 10-M contest. Also to Herb, K2HPV, and Al, KA2KGD, who both made the list.

CONTEST CORNER

August is vacation time for many of us and admittedly, it's hard to think about contesting during such nice weather; however, just like Howard Johnson's 38 flavors, there are contest events with something for all of us and August is no exception:

August 13 - 14	European CW Net
August 13 - 14	New Jersey QSO Party
August 13 - 14	Seanet Phone
August 27 - 28	All Asian CW Contest

With the exception of the NJ QSO party, the above are DX oriented events that could provide some new ones for the DX hounds. The NJ QSO party is fun - NJ works the world - you can see how it feels to be on the other side of the pileup !

In addition, August sports 3 other state QSO parties' (for you county members) and two RTTY events, plus the "occupation" contest for those of you who are interested in the other guy's 9 to 5 pursuits. See, there really is something for everyone !

July's IARU Radio sport Contest drew some club activity - W2YC & WA2OOS were QRV at W2YC's seashore QTH and were going full tilt until

your's truly managed to jump in and work a few - activity and conditions were both fairly good. If you worked the contest give me your score or even general comments and we'll publish them next month.

Contest operating can be fun and it's a good vehicle for increasing your code speed (helping your upgrade efforts), or country or county totals, etc. It doesn't take a world champion class station to get started; in fact, there are a number of contests in which a dipole and tri-bander are competitive. How do I get started you ask? Easy, try a few of the QSO parties, NJ's is a good one since you're the DX yet activity is at a reasonably relaxed pace. Yes, but my CW doesn't match the other guys 40 wpm! No to worry, many top CW op's keep the speed reasonable; plus, there's a strategy that can help me move higher in the band where the QRW's not so bad and work at your own speed!

Contest operating strategy and techniques will vary according to the type of contest and your station's capabilities. Most of us will probably fall into the "little gun" category, ie running barefoot into a tri-bander 35 - 40 feet and/or dipoles; although our signals won't dominate a band we can still have a good time. In fact, certain contests have high/low power categories (for example, the ARRL Sweepstakes) So that us "little guys" can compete with each other.

This column discussed some general contest topics, starting next month each month's column will discuss a specific contest related topic in detail presenting published material and the opinions of the clubs more prolific contesters. Next month's topic will deal with basic QSO strategy - do I call CQ or "search and pounce"?

Rules for the August contest's can be found in the CQ, 73 and QST contest sections.

New Jersey QSO Party logs will be available at the meeting.

73
Dennis
WB2GES

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DX DOPE

(TNX to SNEDXA es KE2M)

BY1PK was operated on 14 MHz cw for one hour by K1MM on July 7. Many JA stations were contacted; however, only one continental U.S. and one European station were contacted. Bill hopes that this will eventually open up opportunities for others to guest operate BY1PK in the future. BY1QH is at a university located 15 miles from Beijing, and will soon be active. There are now approximately 6,000 qualified amateurs in China.

VK9NS has received a favorable letter from the authorities and has begun DXpedition planning to Kermadec (ZL/K).

Guinea, 3X4EX is very active on 3798 kHz starting around 0300 UTC. Look for Ariald also on 1835 kHz from 0645 to 0615 on the weekends. QSLs go to N4CID.

Cambodia will be back on the air after an absence of 8 years. Be ready to work XU1SS in August.

OJØMA and others will operate from Market Reef on July 22 through August 1 all bands and all modes.

Mayotte, FH8CB, is up on 14.245 on Sundays, Mon., Wed. & Fri. No times were passed along.

MORE OPPOSITION TO NO CODE

The US Air Force has informed the FCC that it sees a continuing need for Morse Code proficiency, and has recently reinstated the Morse Code requirement in its radio operator's course. Furthermore, should FCC adopt its no-code licensing proposal, these licensees would none-the-less be required to demonstrate Morse Code proficiency before being permitted to join Air Force MARS. The Air Force position was communicated to ARRL by Usan A. Goldfarb, Acting Ass't. Sec. of the Air Force in a July 5th letter (they live in fame and (hopefully) will not go down in flame --- ed.).

(TNX to K2JF)

LEGAL HAPPENINGS

The League has submitted supportive comments on FCC's phone band expansion Further NPRM in Docket 82 - 83. The Commission's proposal for expansion of the 80-, 15-, and 10-meter phone bands is consistent with the position adopted by the ARRL Board in July of 1982. (See QST for September 1982, page 48).

3750-3775	Extra
3775-3850	Extra and Advanced
3850-4000	Extra, Advanced and General
21200-21225	Extra
21225-21300	Extra and Advanced
21300-21450	Extra, Advanced and General
28300-29700	Extra, Advanced and General

While counseling against expansion of the 40-meter phone band generally, the League supports FCC's proposal to authorize 7075-7100 kHz for telephony operation in the State of Hawaii. Hawaii is quite close to ITU Region 3 where phone operation is allowed FCC licensees on these frequencies. This proposal would benefit Hawaiian amateurs without causing any disadvantage to other U.S. amateurs.

(TNX to ARRL es K3WIL)

PHASE 111 B LAUNCH GOING WELL

OSCAR 10 seems to be in fine health and on its way to its permanent orbit. The satellite is on auto-pilot and is doing its own attitude adjustment and "spin-up."

The spacecraft's kick motor was fired at 2230 UTC on July 11. This first firing went well with the exception that the intended 105-second burn actually lasted 190 seconds.

This malfunction was caused by a hardware problem within the satellite. However, there should be no significant mission impact as a consequence of this error.

The satellite's perigree is too high and travels within the Van Allen radiation belt much longer than planned. Thus, the satellite will receive more radiation than desired. The cumulative effect of radiation could damage the ICs aboard the spacecraft and some solar cell efficiency may be lost.

AMSAT officials are watching the satellite, and when orbital parameters are fully determined, the second and final kick motor firing will take place. This final burn will place OSCAR 10 in its permanent orbit, and away from the Van Allen belt.

The first stations to hear the new satellite's telemetry data were ZL1AOX, JH4PBQ, JA5XPN, JA7IE, JR4BRS, JR1SWB, and JA8DXB, between 1444 and 1445 UTC.

OSCAR 10's general beacon will transmit on 145.810 MHz on cw or 400 baud PSK. The beacon can be heard only between 0000 and 0029 UTC each day and will be turned off for the remainder of the day to conserve power. Satellite users are asked to relay telemetry data via the AMSAT nets.

The transponder will not be available until the kick motor fires for the second time, when the satellite achieves proper inclination. Since OSCAR 10 is still a youngster, changes in the orbital and operational data will be frequent until the permanent orbit and attitude is established. Stay tuned to AMSAT and W1AW bulletin frequencies for OSCAR 10 status updates.

(TNX to ARRL Letter)