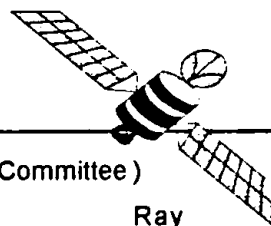


W2MMI



Gloucester County Amateur Radio Club

1997 Officers

President	Bob Krukowski	WA2UDO
Vice President	Jack Stauffer, Jr.	KA7LAX
Treasurer	Al Arison	KB2AYU
Recording Sec.	John Schumacher	KB2VXC
Corres. Sec.	Jim Simeone	KC2AOF

Directors

John Lloyd	KA2EZN
John Zaruba, Jr.	AA2BN
Walt Seitz, Jr.	KB2JCG
Chuck Colabrese	WA2TML
Goldie Rosenberg	N2YNB

Trustees

Stu Cleveland	N2WUP
Barbara Bielecki	N2SBP
Chris Chamberlin	N2IVN
Charlie Olinda	N2SRQ

GCARC Meetings

General Membership:

8 p.m., 1st Wednesday every month,
Woodbury VFW, Woodbury-Glassboro Rd.
and Evergreen Ave., Woodbury Heights, NJ

Board of Directors:

8 p.m., 3rd Wednesday every month,
GCARC site, Harrison Twp. 4-H Grounds
(approximately one mile south of Mullica Hill
on Rt. 77).

Club Repeaters

147.780/180 Mhz 223.06/224.66 Mhz
447.100/442.100 Mhz (CTCSS 131.8)

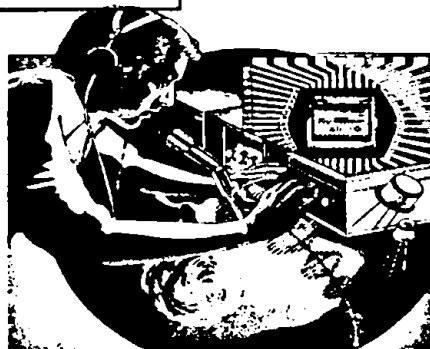
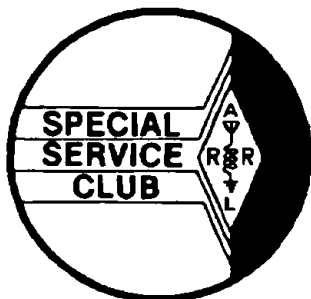
1997 Committee Chairpersons

(* Standing Committee)

Advertising	Ray	N2WHL
Antennas	Al	KB2AYU
ARES/RACES	Chic	WA2USI
Awards	Jack	K2ZA
Banquet	Bob	WA2UDO
Budget *	Bob	WA2UDO
Callbook Info.	John	K2JF
Clubhouse Site *	Stu	N2WUP
Constitution *	Ken	KN2U
Crosstalk	Greg	WN2T
	Kyle	KB2RVY
Data Processing	Bob	KB2COB
DX	John	K2JF
Field Day *	Tony	KA2FFS
Hamfest *	John	KA2EZN
	Jack	KA7LAX
	Ken	KN2U
Help	Glenn	N2YIO
Hospitality *	John	AA2BN
Legislation	John	AA2BN
Membership *	Jim	KC2AOC
Nets	Dave	N2TVR
Nominations	Bob	WA2UDO
Publicity *	Ray	N2WHL
Repeaters *	Chuck	WA2TML
Scholarships	Greg	WN2T
Special Services	Open	
Special Events	Walt	WB2OYQ
Sunshine	Miriam	KB2EUA
Technical	Jack	KA7LAX
Training & Testing	Chic	WA2USI
TVI	John	K2JF
4-H Parking	Bob	WA2UDO

NETS

ARES/RACES - Sundays, 2200 Hrs
(147.780/180 & 223.06/224.66 Repeaters)
10 Meter - Sundays following the
ARES/RACES net (28.350 Mhz)

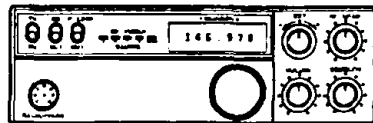


GCARC

July 1997



CROSSTALK



The GCARC clubhouse just keeps getting better and better all the time. We now have the capability of running 100 Watts on 6 Meters, dual position all-mode HF, dual position all-mode 2M, a rock solid BBS and upgraded kitchen facilities. We also now have a neatly re-organized and thoroughly cleaned

trailer, thanks to our site chairman, Stu N2WUP.

The next project will be upgrading the bathroom. Our talent search spotlight is now looking for someone with a little expertise or willingness to try ceramic tile work. If you need a place to practice, we have a deal for you! Along with the added benefits, mentioned above, comes added responsibility.



**HAPPY BIRTHDAY TO THE
FOLLOWING GCARC MEMBERS
FOR THE MONTH OF JULY!**

Call	First	Last	Day
KB2YDX	Albert	Miller	2
WA2BMQ	Norman	Connelly	2
N2KLE	Joseph	Wells	3
N2FJQ	Alan	Trueblood	4
KC2AAA	Leon	Jones	11
N2SRQ	Charles	Olinda	12
N2SS	Anthony	Gargano	14
KC2PC	Chris	Kelly	16
N2YNB	Goldie	Rosenberg	16
KF2AW	Bob	Oudyk	17
KB2VSE	John	Logan	18
KA2DOT	Art	Strong	20
KB2TKV	Paul	Carr	20
N2WHL	Raymond	Flanigan	21
WB2THM	Louis	Miceli	22
N2IVN	Christian	Chamberlain	24
N2MWX	Dennis	Ballance	25
N2HTS	Conrad	Salati	27
KA2FFP	James	Larkin	29

I must emphasize the importance of accurately logging your arrival and departure at the site. This is imperative to both the security of our clubhouse and to fulfillment of our agreement with the 4-H. If you sign in, then decide to hit the WAWA for coffee, you MUST sign out and then on a NEW line, sign in again when you return. The same applies if your working the radio room, then decide to go home for dinner or to grab some ZZZZZ's. Each and every time you leave the site premises by foot, moped, sled, auto, bicycle or hot air balloon, etc. you MUST sign out, and sign back in on a NEW line. This policy is in effect immediately and must be strictly adhered to, with no exceptions. Your cooperation with this policy will ensure the long term success of the GCARC Clubhouse.

73, Bob, WA2UDO

DX REPORT

PACIFIC - 9M6 - EASTERN MALAYSIA - The *Daily DX News* announced, Arie, PA3FWG, should be QRV as 9M8ZZ in July. C2 - NAURU, Jack, VK2GJH, will be on the air from Nauru (OC-031) starting on July 25. QSL via homecall CBA. KH4/KH7K - MIDWAY/KURE ISLAND - Tony, WA4JQS, sent the landing permission of N4BQW to the ARRL to be approved by the DXCC Desk. Chuck, N4BQW, invested more than 5,000 US dollars in this DXpedition and hopes to get them back.

VK0 - MACQUARIE ISLAND - The *Daily DX News* writes that the sked of VK0TS and VK9NS does not take place on Saturdays/Sundays but on Tuesdays and Wednesdays around 0345 UTC. ZK2 - NIUE ISLAND, Paul, ZK2PJ and Janice, ZK2JJ, will be on the air from Niue for the next two years. QSL via VK4AAR. AFRICA - 5Z - KENYA - The stay of 5Z4SS and 5Z4LH will end this summer. 5Z4BJ will be in the US during the next few months. Christine, 5Z4LL, often QRV on 18145 kHz around 1500Z asks for QSL via Box 14425, Nairobi, Kenya. ST2 - SUDAN, Lou, G4OJW, is now active as ST2AA from Khartoum. QSL via WB2RAJ. V5 - NAMIBIA, Charlie, W0YG, plans to be active as V5/ZS6YG on 160m/80m from July till August. QSL to his homecall.

AMERICA - CY0 - SABLE ISLAND, Wayne, CY0SAB, has now a windom antenna, a 6 mtr beam and a Cushcraft R5, as well as a IC706 and amplifier. He hopes to be more active during the second week. CY9 - ST. PAUL ISLAND - The CY9AA DXpedition will take place from June 26 till July 3. QSL via VE9AA, Mike Smith, 271 Smith Rd, Waterville, Sunbury Co, NB, E2V 3V6, Canada. HP - PANAMA, Bill, HP3/WT4K, is active from July 23-27. If he finds transportation, he will be QRV as HR6/WT4K between June 30 and July 4. QSL with return postage to his CBA.

XE - MEXICO, Dave, XE/WJ2O, is announced for July 10-16 (including IARU Contest). ZF8 - LITTLE CAYMAN ISLAND - From July 10-15 David (KP4AM) will be QRV as ZF2DN/ZF8, Bob (N4BP) as ZF2DE/ZF8, Bruce (W4OVU) as ZF2PU/ZF8 and Julio (WD4JNS) as ZF2JS/ZF8. Activities will include 6m-160m and RTTY. ASIA - 9N - NEPAL, Charles, K4VUD, will be active on 14195 +/- and 14226.5 kHz for 20 days starting on July 8. QSL via CBA. EUROPE - 9A - CROATIA, Wolf, 9A/DL1AUJ, will be on Rab Island (EU-136) between July 28 and August 15. JW - SVALBARD, Leif, JW2PA, will be on the air in CW and SSB on 10-80m. QSL via homecall, LA2PA, via bureau or to his CBA. MALTA - 9H. 9H0VRZ will be operated by 14 Dutch amateurs from June 21 to July 5. Activity is expected on 80 to 6 meters,

using CW and SSB. Operators may also use their own 9H3 calls during this DXpedition. HONDURAS - HR - After his Panama operation, Bill, WT4K, may be QRV as HR6/WT4K from June 30 to July 4. QSL to home call. SUDAN - ST - Lou, G4OJW, is active from Khartoum as ST2AA. QSL via WB2RAJ. SOUTH AFRICA - ZS - The Special Event callsign ZS50WRC will be on the air until the end of this year to celebrate the 50th Anniversary of the City of Welkom. QSL to ZS50WRC, Welkom Radio Club, PO Box 30594, Moreskof 9426, Republic of South Africa. 9H - The 10th VRZA (Dutch Society of Amateur Radio) DXpedition to Malta (EU-023) will take place from 21 June to 5 July. They will be active (on 6-80 mtrs, CW and SSB, with four stations) with the special call 9H0VRZ as

well. More information is available at <http://www.pi.net/~vrza/malta.htm>.

9Q - Piero, IK2BHX, went back to Zaire on 16 June. He will try to be active again as 9Q5HX on HF bands and maybe on 6 mtrs as well. QSL via IK2MRZ either direct or through the bureau. F - Special event station TM0VER will be active from 28 June to 7 July from Ver sur Mer, Normandy, to commemorate the flight of R. E. Byrd, of polar fame, between USA and France in 1927. QSL via bureau. Mike, K3UOC/7Z5OO, will be in the US from 27 June to 1 September. 7Z5OO will resume when Mike goes back to Riyadh. QSL direct via W1AF. SP QSL BUREAU - The new address for the Polish QSL bureau is P.O. Box 42, 64-100 Leszno 7, Poland.

The bands are looking good and can be expected to be better as the year progresses. The SFI is projected to be in the 80's during July. Start looking at 15, 12, & 10 meters for some openings. For you VHFers July will be a Sporadic-E month, so keep close watch. See Tony's (KA2FFS) report on the VHF contest and get ready for the next VHF/UHF contests coming up.

Up Coming Contests: JULY 12-13 IARU HF World Championship; 19-20 AGCW QRP Summer Contest; 19-20 North American QSO Party, RTTY; 19-20 Seanet Contest, CW; 25-27 IOATA Contest.

Data from 425DX, ARRL, NJDXA and others.

Tnx K2JF, John Fisher

WOULD YOU LIKE A MONOGRAMMED CLUB JACKET? CALL NEW JERSEY MONOGRAMMING IN ERIAL, NJ, AT 784-2827. ASK ABOUT PRICING AND CUSTOM SPECIFICATIONS.



Sunshine Report

Truly, no news is good news!

Stay healthy and watch that summer sun!



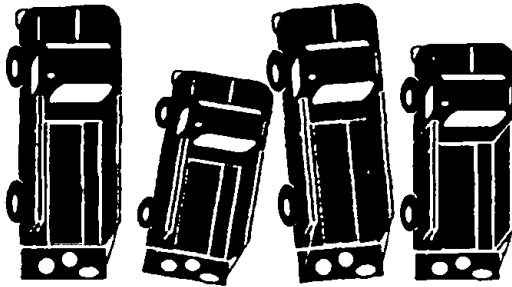
73, Miriam, KB2EUA



HELP.....HELP.....HELP....

4-H Parking

The annual 4-H Fair was announced in the June issue of *Crosstalk*. For those of you who missed the write-up or can't find your newsletter, the 4-H FAIR will be held from 0700-2100 on THURSDAY (July 24), FRIDAY (July 25) & SATURDAY (July 26).



We have several members who have already signed up to assist with parking, but we still need additional help. Most of the volunteers are the "same old faces" who partake in this and other club activities, year after year, with no coaxing and no complaining. We would like to see some of our newer members participate. There are many ++++'s in return for a few hours of your time. You will get to know some of our members better, get some much needed exercise and be able to enjoy some great food offered by the 4-H.

But most of all you will be providing a service to both The 4-H Organization and GCARC within the Spirit of Amateur Radio. If you can spare a few hours to help out please sign up at the July general membership meeting. If you cannot attend the July meeting please contact me @609-346-0927 or e-mail-bobudo@juno.com for more information and/or to sign up.

73, Bob WA2UDO

Very "Hot" Frequencies!

On the weekend of June 14 and 15, 1997, a group of amateurs from the Gloucester County Amateur Radio Club operated the ARRL's June VHF QSO Party at the club's site in Mullica Hill, NJ. We utilized the club's

long boom Yagis on the 100-foot tower, along with a mixture of rigs both club-owned and loaned by some club members. With this equipment, we put stations on 50, 144 and 432 Mhz. Several club members came to operate, and we also had several visitors who came to offer their support and encouragement. Our fine group of operators included Mel, W2NM, John, K2JF, Stuart, N2WUP, Jim, KC2AOF, John, KB2VXC, and myself. Our visitors included Alan, KB2AYU, Mike, N2SRO, John, KA2EZN, and Jack, KA7LAX. My apologies to anyone I may have missed. Special thanks to John,

KA2EZN and John, KB2VXC for the loan of some equipment in support of our effort. Their generosity allowed us to rack up some points on 432 MHz.

Six meters was wide open for almost the entire contest. Stu was the first to taste its magic. He was able to work several stations in the Great Northwest and in the southern end of Canada's Alberta and Saskatchewan provinces. We also worked a few stations in the southern tip of Texas and Louisiana. There were also many stations coming in from the Midwest and Great Lakes region. Both six and two meters allowed us to work almost the entire North-eastern region of the US. 70 centimeters also provided us with several grids in our neighboring states.

(Continued next page...)

Information or articles for *Crosstalk*?
Please send via Packet to N2SRO on 145.070 or E-Mail to WN2T at Pott@voicenet.com

**Deadline for August
Crosstalk, July 27**

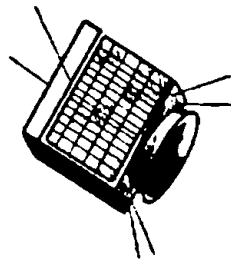


("VHF" from previous page...)

AMSAT NEWS SERVICE BULLETIN 293.03

FROM AMSAT HQ SILVER SPRING, MD

John, K2JF, worked some CW on 70 cm by keying the rig with the mic while in FM mode on transmit and switching back to CW for receive, because we were unable to get the keyer mated with the rig.



Mel managed to rack up several new grids and QSOs on two meters near the end of the contest using CW. This was a major boost because we had worked just about everything we could hear on SSB.

Our total QSOs were 261. Our final score was 20,440. This is nearly double our score from last year. Hopefully, we can shatter this score next year!

There are three more major contests this year on VHF and above. On July 12 & 13, CQ will sponsor its annual World-Wide VHF Contest. On August 2-3, the ARRL will be putting on the annual UHF contest for 220 MHz and above. Finally, the VHF contest season will end with the ARRL September VHF QSO Party. I hope to be getting the club station W2MMD on for all these events.

Consider this your invitation to join us. If you can't make it out to the club site, or would rather use your own station to work the contests, please remember to include GCARC in your log submission for club affiliation.

See you on the bands and good DX!

Tony, KA2FFS
(Tks K2JF, John, for feed)

Mike N1JEZ reports having a good time lately operating the new MIR/SAFEX II 70 cm repeater. However he has noticed that there

seems to be some confusion about its operation, hearing quite a few people trying to access, but not making it. Here are a couple of ways that Mike says help when using RR0DL successfully.

The two biggest problems are CTCSS tone and doppler shift. First off, one needs to use 141.3 CTCSS tone to be able to bring up the repeater. Secondly, one needs to compensate for doppler shift on both the downlink and well as the uplink (unlike AO-27). This seems to confuse some people.

The 70 cm doppler can be as much as +/- 10KHz. Standard downlink doppler for a pass starts high in frequency and ends low. On your radio, you simply tune high at the start and move down in frequency during the pass. On the uplink, MIR hears your signal the same way. i.e. high at the start and ending low.

Since you can't tell MIR to adjust its receive frequency, one must compensate by adjusting the transmit frequency. Start the pass on the low side and increase the frequency as the pass progresses. It's the opposite of the receive doppler. This is where Mike thinks people are getting confused.

Here are a couple of ways he does it on his FT-736R. The first method is to program a series of memory channels. Mike programmed 9 memory channels for +/- 8KHz doppler correction. He used a sequence of standard memory channels (not Sat channels) set up as minus offset with tone encoding.

First, program the downlink frequency,

then enter the offset. Make sure you are set for negative offset and tone encoding (141.3), then save to a memory channel. I set the frequencies for each channel according to this list:

Dnlink (MHz)	Uplink (MHz)	Offset (MHz)
437.958	435.742	2.216
437.956	435.744	2.212
437.954	435.746	2.208
437.952	435.748	2.204
437.950	435.750	2.200
437.948	435.752	2.196
437.946	435.754	2.192
437.944	435.756	2.188
435.942	435.758	2.184

During a pass, Mike starts with the first channel, and tunes up channel by channel as the pass progresses. He sets the meter to DISC/ALC and keeps the meter centered as well as possible on receive. One probably can get away with fewer channels, but if enough memories are available, one might as well use them.

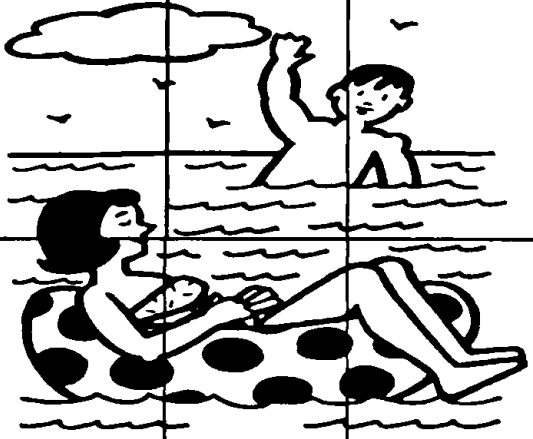
Editor's Note: John Zaruba, AA2BN, who contributed this article, adds this comment:

I have programmed my Icom IC-820H with the frequencies mentioned in the bulletin and it works VERY well. You might want to put this in Crosstalk with a note that I will answer any questions at the next club meeting.
73 de John AA2BN



Crosstalk

July 1 - 31, 1997

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
		July 1 RAC Canada Day Test	July 2 GCARC General Membership Meeting 20:00	July 3	July 4	July 5 GCARC 10-mtr Net, 0800, 28.350 Venezuela Indep. Day. CW;
July 6 20:00 ARES/RACES 20:30 10 mtr Net - 28.350 Mhz	July 7	July 8	July 9	July 10	July 11	July 12 GCARC 10-mtr Net, 0800, 28.350 IARU HF World Championship; CQ WW VHF Test; QRP ARCI Homebrew Sprint
July 13 20:00 ARES/RACES 20:30 10 mtr Net - 28.350 Mhz; Fest-Kimberton, Pa; Fest-Pittsburgh, Pa.	July 14	July 15	July 16 20:00 GCARC Board of Directors Mtg	July 17 VE Exams Bellmawr @ 7 p.m (Doors open 6:15 p.m.)	July 18	July 19 GCARC 10-mtr Net, 0800, 28.350 Columbian Indep. Test: QRP Test; Seanet Test. CW; Fest-Beach Haven, PA
July 20 20:00 ARES/RACES 20:30 10 mtr Net - 28.350 Mhz Fest-Augusta, NJ; Fest-Homer City, PA	July 21	July 22	July 23	July 24 4H Parking	July 25 4H Parking	July 26 GCARC 10-mtr Net, 0800, 28.350 Venezuelan Indep. Test. CW; RSGB Islands Test; The Flight of the Bumblebees; Fest-Nescopeck, PA 4H Parking
July 27 20:00 ARES/RACES 20:30 10 mtr Net - 28.350 Mhz	July 28	July 29	July 30	July 31		
Deadline August Crosstalk						