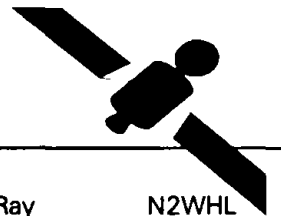




W2MMD



Gloucester County Amateur Radio Club

1996 Officers

President	Bob Krukowski	WA2UDO
Vice President	Art Strong	KA2DOT
Treasurer	Al Arrison	KB2AYU
Recording Sec.	Sam Rosenberg	N2DWK
Corres. Sec.	Jack Stauffer, Jr.	KA7LAX

Directors

Three-Year	Walt Seitz	KB2JCG
	Pete Butler	KA2DZF
Two-Year	Joe Wells	N2KLE
	Goldie Rosenberg	N2YNB
One-Year	Open	
	Open	

Trustees

Four-Year	Stu Cleveland	N2WUP
Three-Year	Barbara Bielecki	N2SBP
Two-Year	Chris Chamberlin	N2IVN
One-Year	Charlie Olinda	N2SRQ

GCARC Meetings

General Membership:

8 p.m., 1st Wednesday every month, Deptford Elks Lodge, Highland Ave., one block from Egg Harbor Road.

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)

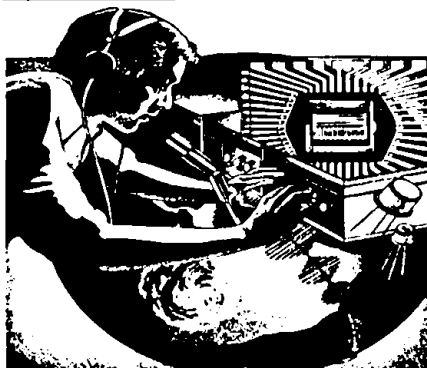
1996 Committee Chairpersons

Advertising	Ray	N2WHL
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
	Don	N2WFM
	Kyle	KB2RVY
	Charlie	K2PQD
Data Processing	Open	
DX	Open	
Field Day *	Art	KA2DOT
Hamfest *	Open	
Help	Ken	KN2U
Hospitality *	Donna	
Legislation	Open	
Membership *	Sonny	WB2DXB
Nets	Dave	N2TVR
Nominations	Bob	WA2UDO
Publicity *	Ray	N2WHL
Repeaters *	Chuck	WA2TML
Scholarships	Greg	WN2T
Special Services	Al	N2FJQ
Special Events	Walt	WB2OYQ
Sunshine	Miriam	KB2EUA
Testing	Bill	NT2N
Technical	Open	
Training	Chic	WA2USI
TVI	John	K2JF
4-H Parking	Open	

(* Standing Committee)

NETS

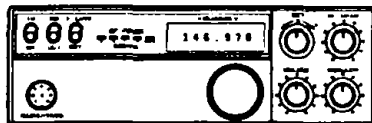
ARES/RACES - Sundays, 2200 Hrs
(147.780/180 & 223.06/224.66 Repeaters)
10 Meter - Sundays following the
ARES/RACES net (28.350 Mhz)



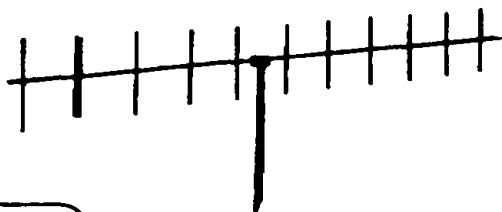
GCARC
OCT. 1996



CROSSTALK



QSL PROGRAM FOR OCTOBER MEETING



The October 2 Club meeting will feature a program presented by Doug, WA2NPD, entitled "Advanced QSL'ing." Doug will present tricks-of-the-trade accumulated during 36 years as a licensed amateur, contesteer, and DX'er. Doug, a past president of GCARC (twice), has 337 countries confirmed (mixed) and presently is active in climbing the DXCC CW ladder with 227 countries now confirmed. Doug is a member of the DXCC Honor Roll and is closing-in on 5BDXCC and 5BWAZ. He is a retired DuPont chemist (after 37 years) and currently serves a Laboratory Director for National Refrigerants, Inc. Doug promises that the program will include information relevant to both the new ham, the old ham, and the ancient ham.

Many thanks to AA2BN, John Zaruba, Jr., for a really interesting program at the last Club meeting on the APRS system. Many commented that they were not aware of this fascinating system and its tie-in with Global Positioning.

John will provide software for accessing this system.

ARRL VHF QSO PARTY SEPTEMBER 1996

Your Club did well in spite of the very, very poor conditions for this particular contest. The Club was Limited Multi-operation. The Club operated two bands 6 and 2 meters. Equipment used: 6 Meters - IC736, 7 element @ 90 ft. 2 Meters - IC-275H 14 elements @ 100 ft.

<i>Final Score Totals</i>	<i>BAND</i>	<i>QSO PTS</i>	<i>GRIDS</i>
	50	65	22
	144	120	24
TOTALS	185	185	46=8.510

Your Club was represented by four operators: K2JF, N2WFK, KA2FFS, and N2WUP.

Once again the Churches of Pitman are going for their annual **CROP WALK**. They have said: " We appreciate the continued support of the Gloucester County Amateur Radio Club. Each year your group has been instrumental in helping the walk go smoothly."

Again they have asked us for OUR support of this years CROP WALK which will be held on Sunday October 20th at 2 PM. The walk will still be 5 miles long with a one-mile loop. The walk will begin and end at the Sunset Auditorium. Here is a chance for YOU to support YOUR club in a real service program. The following Club members have already signed up, so how about adding your name ?

K2JF	JOHN FISHER
KA7LAX	JACK STAUFFER
KB2EAH	ROBERT BUDD
KB2JCG	WALTER SEITZ
KB2UYT	RON BLACK
KB2ZKI	SAM ZEOIA
N2WHL	RAY FLANIGAN
WA2NPD	DOUG GEHRING
WA2UDO	BOB KURKOWSKI
WB2DXB	SONNY GUTIN



We will have maps of the route at the next General Membership meeting. Tnx for helping!
73 John, K2JF



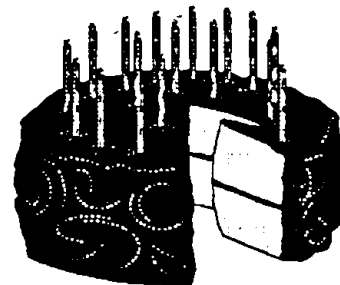
Kenwood TR-2600A, HT with speaker mic, boom mic/headset, mobile adapter/charger, AC/DC converter, wall charger, spare battery pack and alkaline battery holder.

\$175.00. See Jack, K2ZA



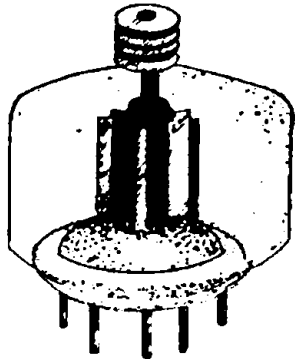
Would you like a monogrammed Club Jacket?
Call New Jersey Monogramming in Erial, NJ, at 784-2827. Ask about pricing and custom specifications.

Happy Birthday for the month of October from all the members of GCARC!



CALL	FIRST	LAST	DAY
KB2OWC	THOMAS	MEYER	2
*****	DONNA	JANKOWSKI	3
KB2RWF	THOMAS	WILSON	6
K2ZA	JOHN	ZARUBA	9
KB2YBR	KEITH	DRAKE SR	11
AA2WN	HARRY	BRYANT	15
*****	MICHAEL	SCANZELLO	26
K2JOL	ROBERT	HOUCK	26
KA2OSV	JAMES	CLARK SR	26
N2BK	WILLIAM	KARDAS	30

K2PQD, C. Sketchley
CLUB DATABASE



New FCC RF Safety Standards

New FCC RF safety standards that become effective January 1, 1997, could affect the way some hams operate. As a result of a Report and Order adoptive by the FCC on August 1 (ET Docket No. 93-62, Guidelines for Evaluating the Environmental Effects of Radiofrequency Radiation). Part 97 will require hams running more than 50 W PEP to conduct routine RF radiation evaluations to determine if RF fields are sufficient to cause human exposure to RF radiation levels in excess of those specified.

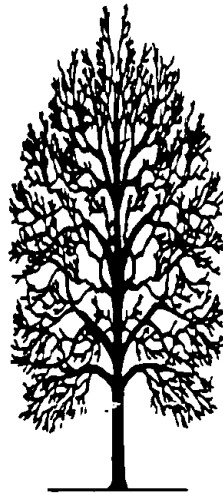
All amateur operation must comply with the new regulations for Maximum Permissible Exposure (MPE), amateur operation at power levels of less than 50 W PEP is "categorically excluded" from the requirement to perform a routine evaluation of station operation before operating. For those on Internet you can download more information on this subject from the ARRL by downloading: <http://www.arrl.org/news/rfsafety/>
CU in the Pile-Ups ... K2JF

Vanity filing Gate 2

Opens September 23, 1996

The FCC has announced that vanity call sign filing Gate 2 will open September 23. Under Gate 2, Amateur Extra Class licensees may request a vanity call sign on or after that date. File requests on FCC Form 610V. Legibility is critical! If your application is not legible, you could experience a delay in processing, lose the opportunity to obtain a requested call sign or even obtain a call sign different from what you want. Under Gate 2, you must hold an unexpired Amateur Extra Class operator/primary station license to request a vanity call sign for your primary station. A \$30 fee is required with your FCC Form 610V application. If you want a Form 610V, see John Fisher, K2JF.

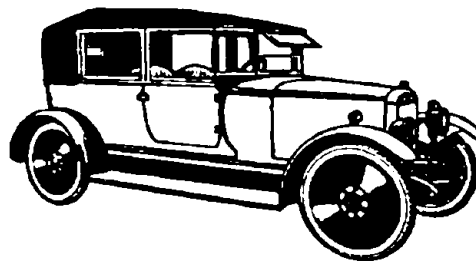
Go get-em. Good luck 73 ...K2JF



QRP FIELD DAY

It was enjoyable to see Herb (K2HPV) and Ken (N2CQ) operating QRP-FD out at the Club Site sitting under the shade trees with their home-brewed Delta Loop. They worked both 20 and 40 meters QRP. You fellows looked real good. Good luck to both of you and may you make WAS QRP.

THANK YOU FOR YOUR ASSISTANCE!



I WOULD LIKE TO OFFER MY SINCERE THANKS TO THOSE WHO VOLUNTEERED AND ASSISTED WITH PARKING DURING THE G C A R C HAMFEST. I

APOLOGIZE IF I MISS MENTIONING ANYONE. PARTICIPATING WERE GLENN, N2YIO; ROB, N2WFD; CHRIS, N2WFK AND SANDY, KB2WSO. I WOULD ALSO LIKE TO OFFER A SPECIAL THANKS TO THOSE NAMED ABOVE WHO REMAINED UNTIL THE END AND HELPED WITH CLEANUP AND HANDLING OF REFUSE. YOUR EFFORTS WERE GREATLY APPRECIATED.

SINCERELY, JACK STAUFFER KA7LAX

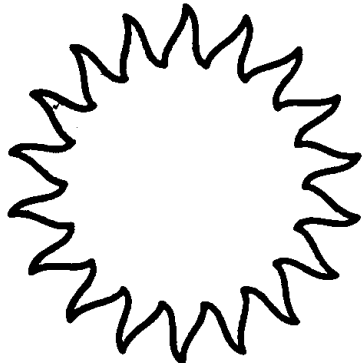
Stuff for Xtalk?

Please send on packet to WN2T via "Pitman" (N2SRO) on 145.770 or E-Mail to: Pott@voicenet.com. Deadline for November issue: October 27, 1996

The Ionosphere - Part III

THE "F LAYERS"

F LAYER: At heights between 90 and 240 miles (145 to 380 km) above the earth's surface is another region of ionization, known as the F layer. Ionization exists at all hours, usually with two well-defined layers during the daytime and only one during the night. In this region, at night, the single F layer lies at a height of about 170 miles.



F1 and F2 Layers: During the daylight hours, especially when the sun is high, as in tropical latitudes and during summer months, the F region splits up into two distance layers — the F1, with a lower limit at a height of approximately 90 miles (145 km), and the F2 with a lower limit at a height of about 160 to 220 miles, depending on the seasons and the time of day. The F2 layer is the most highly ionized of all the layers and is the most useful for long-distance (DX) radio communication.

The intensity of ionization reaches a maximum in the afternoon and gradually decreases through the night. The rise of ion density is very rapid in the morning, and the low re-combinant rate permits this high ion density to persist.

OTHER LAYERS: In addition to these regions of ionization which appear regularly and undergo variations daily, seasonally, and from year to year in height and ionization, other layers occasionally appear, particularly at heights near that of the E layers, much as clouds appear in the sky.

Frequently their appearance is of sufficient intensity to enable good radio transmission to take place by means of reflection from them. At other times, especially during disturbed conditions in polar regions, such as those that cause the aurora borealis, diffuse ionization may occur over a fairly large range of heights and may be detrimental to radio transmission because of excessive absorption.

I wish to thank those who have asked me to continue these articles. I hope they are useful and informative. At this point I want to make clear that much of this information is "boiled down" from various sources such as *THE ARRL HANDBOOK* (the chapter on propagation); *THE SHORT-WAVE PROPAGATION HANDBOOK*, by George Jacobs (W3ASK) and Ted Cohen (N4XX); the Navy's *BUPERS MANUALS*; the Army's *TECHNICAL MANUALS (T.M.'s)*, and by various theses written by me.

The next section will be "Ionosphere Characteristics".

73, JOHN, K2JF

Amateur Radio Newsline

July 22, 1996

Bad Manners Can Lead to Spectrum Loss

A problem facing ham radio is the possible loss of almost exclusive use of several popular bands. At least one ham says that one of the reasons that two meters and 70 centimeters are

both under scrutiny is that hams are failing to keep their operations squeaky clean. This says Phil Thomas, N8LJA, is definitely ammunition that will be used against us in the future: "Right now, there is a possibility of losing our 2 meter and 440 MHz bands to a newly formed group interested in using one or both of the bands for LEOs or Low Earth Orbiting Satellites. There will be several factors that will influence the FCC in what direction they will rule. One of the factors that will influence the commission will be the way amateurs police their bands.

Since the large influx of amateurs following the inception of the no-code license there seems to have been a lack of teaching proper etiquette that is expected from the amateur community. Along with this amateurs have seemed to have dropped the ball in the area of policing.

What will it take for our amateur community to return the amateur bands to the way they were? It will take every amateur, amateur clubs, and amateur organizations working hard with each other in a concerted effort of teaching and policing our amateur bands. This, and only this will secure our amateur bands in the near future." -- N8LJA

Phil Thomas, N8LJA is the producer of Amateur News Weekly. This is a ham radio information provider serving several mid-western states.

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October 1 - 31, 1996

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
		Oct. 1	Oct. 2 GCARC General Membership Meeting 20:00	Oct. 3	Oct. 4	Oct. 5 California QSO Party; VK/ZL Test, Phone; RSGB 21/28 Mhz Phone Test; Fest-Horsham, PA.
Oct. 6 20:00 ARES/RACES 20:30 10 mtr Net - 28.350 Mhz RSGB 21/28 Mhz Test, Phone	Oct. 7	Oct. 8	Oct. 9	Oct. 10	Oct. 11	Oct. 12 Asia-Pacific Sprint; FISTS CW Sprint; Simulated Emergency Test; PA QSo Party; Fest-Teaneck, NJ
Oct. 13 20:00 ARES/RACES 20:30 10 mtr Net - 28.350 Mhz; Fest-Lincroft, NJ	Oct. 14	Oct. 15	Oct. 16 20:00 GCARC Board of Directors Mtg	Oct. 17 VE Exams Bellmawr @ 7 p.m (Doors open 6:15 p.m.)	Oct. 18	Oct. 19 Jamboree on-the-Air; QRP ARCI Fall QSO Party, CW; Fest-Seneca, PA
Oct. 20 20:00 ARES/RACES 20:30 10 mtr Net - 28.350 Mhz; RSGB 21/28 Mhz Test, CW; Fest-Sellersville, PA; Fest- Greensburg, PA	Oct. 21	Oct. 22	Oct. 23	Oct. 24	Oct. 25	Oct. 26 Ten-Tec Inter. Net Fall CW Test; ARRL Inter. EME Test; CQ WW DX Test, Phone
Oct. 27 20:00 ARES/RACES 20:30 10 mtr Net - 28.350 Mhz; Fest-Newtown, PA; Fest-Westminster, MD	Oct. 28	Oct. 29	Oct. 30	Oct. 31		



**Deadline
November
XTALK!**

