

GLOUCESTER COUNTY AMATEUR RADIO CLUB, W2MMD

G.C.A.R.C. OFFICERS

PRESIDENT	EDWARD SUMEK W2GSN
VICE PRESIDENT	LEONARD KRAVITZ KD2CR
TREASURER	ROBERT L. LAYTON KB2COB
REC. SECRETARY	BETH BARNISH KB2EAL
COR. SECRETARY	JOHN FISHER K2JF

DIRECTORS

TRUSTEES

3 YRS. JERRY BARNISH	WB2CAK	4 YRS. V. MACRIE	KA2ZZA
3 YRS. MICHAEL LIPNITZ	N2FKS	3 YRS. J. CLARK	KA2OSV
2 YRS. C. SKETCHLEY	K2PQD	2 YRS. J. McDONALD	N2A1V
2 YRS. E. ROSS	WA2ZND	1 YRS. H. JACKSON	WB2GSF
1 YRS. D.L. WHITE	N2FKT		
1 YRS. W. ASHTON	WB2OYQ		

COMMITTEE CHAIRPERSON

ARES/RACES	WB2LNR	MEMBERSHIP	WB2GSF
AWARDS	K2ZA	NETS	WA2TOP
BANQUET	N2DWR	PICNIC	WA2GFK
CONSTITUTION	WA2NPD	PUBLICITY	K2JF
CONTESTS	?	LEGISLATION	K2JF
DATA PROCESSING	KB2COB	REPEATERS	WA2TML
FIELD DAY	KA2DOT	SCHOLARSHIP	N2GSF
HAMFEST	WB2CAK	SITE	WB2LNR
HEALTH/WELFARE	KD2CR	SPECIAL SERVICES	KA2ZZA
HISTORIAN	K2PQD	SUNSHINE	KB2EUA
HOSPITALITY	KB2AB	TECHNICAL	WA2TML
CHAPLIN	K2JJC	TRAINING/TESTING	WA2VQG
CROSSTALK EDITOR	N2FJQ	SPECIAL EVENTS	WB2OYQ

CLUB NETS

ARES/RACES	SUNDAY 20:00 HRS.	REPEATERS 147/78-224.66/223/06
10 METERS	TUESDAY 21:00 HRS.	FREQUENCY 28.350 MHZ.

CLUB REPEATERS

147.78/18 MHZ. 224.66/223.06 MHZ. 442.100/447.100 MHZ. PL20 OR 31

CLUB MEETING : FIRST WEDNESDAY OF EACH MONTH AT THE V.F.W. HALL IN WOODBURY, N.J. STARTS 20:00 PM. SHARP.

CROSSTALK CONTRIBUTIONS : SEND TO N2FJQ VIA PACKET(WA2VXT-4)145.070 OR (KB2COB-A OR 10)145.070 OR (K2SB)144.950 OR MAIL, DEADLINE IS ONE WEEK BEFORE MEETING.

CLUB SITE MONITORS 147.78/78

***** PRESIDENTS MESSAGE *****

THIS MONTHS MESSAGE WILL BE SHORT. I HAVE BEEN VERY BUSY AT HOME AND COULD NOT DEVOTE MUCH TIME TO CLUB BUISNESS. PROGRESS IS BEING MADE OUT AT THE CLUB SITE. FIELD DAY IS APPROCHING VERY FAST. THE PEOPLE WHO PARTICIPATED AND HAD A GREAT TIME LAST YEAR SHOULD HAVE A BETTER TIME THIS YEAR.

ITS FUN FOR EVERYBODY THAT COMES OUT TO JUST VISIT FOR AWHILE OR OPERATE. THE CLUB IS IN NEED OF A CHAIR PERSON FOR THE ANNUAL 4H FAIR PARKING, WHICH WILL BE AROUND THE END OF JULY. THE ASSOCIATION OF RETARDED CITIZENS OF GLOUCESTER COUNTY IS SENDING A REPRESENTIVE TO GIVE A SHORT TALK AT THE CLUB MEETING. THERE HAS BEEN A REQUEST FOR A 40 METER NET BY SOME MEMBER. WE WILL CANVAS THE MEMBERSHIP AND SEE HOW MANY ARE INTERESTED. THE MONTHLY SEMINAR, OR TECH TALK'S HAVE KICKED OFF WITH MUCH SUCESS,THE MAY SUBJECT WAS AMPLIFIERS, BY KN2U KEN, HIS PRESENTATION WAS ENJOYED AND WELL RECIEVED BY APPROX. 20 PEOPLE. GOOD SHOW K2PQD KEEP UP THE GOOD WORK. SEE YOU AT THE JUNE MEETING.

73 ED W2GSN

+++++ 30 YEARS AGO THIS MOUNTH +++++

JUNE 1, 1959 - First meeting of officers and Board of Directors of GCARC held prior to regular monthly meeting. Called to order by President Van Turner, W2KE at 1925 DST,. Members of the board present in addition to the President were; Woody Frantz, Mel Mason, Della Parker, Tad Deuber, Jim Peck, George Stuart, Al Roche, Charles Sketchley, Horace Simpson and Ed Stetser. Following a discussion of club membership President Turner appointed the following persons to prepare a membership application form with said form constituting a part of the club's permanant records; Della Parker, Tad Deuber and Charles Sketchley. In the preparation of a form questionnaire to be submitted to all members for the purpose of completing affiliation with ARRL.

House conduct, esp., as regards to the pool table came in for consideration ith decision made to refer such matters to Frank Ritter, K2uuy chairman of House committee.

It was decided that inquiry be made at each regular monthly meeting regarding the general welfare of each members.

Tad Deuber reported that the committee considering a Ladies Night had discussed various possibilities but favored a Hamfest at a later date probably in the mounth of September.

Ways and means of promoting club membership were discussed. Said discussion also covered the possibilities of increasing attendance at the regular monthly meetings. Meeting adjourned at 2005 DST.

Excerpt of minutes June 1959.

Note: Thirty years ago may seem a long time but for one that has lived it, why it was only yesterday HI. Historian C. Sketchley, K2PQD

***** EVESDROPPER *****

WATCH OUT GANG, MARLA (N2DWR) IS GOING BONKERS OVER DX.

JOHN (WB2VOH) SAYS THAT THE PARKING FEES ARE OUTREGIOUS.

MARLA (N2DWR) WAS TRYING TO GET ENGLAND, BUT WOUND UP WITH "WALES" WOW.

=====
PLEASE RETURN THE QUESTIONAIRS THAT YOU RECIEVED IN LAST MONTHS CROSSTALK TNX
=====

FOOD FIELD DAY '89

SCHEDULE:

FRIDAY, JUNE 24

set up most supplies
soda in refrigerator

SATURDAY, JUNE 25

approx. 7 am
start coffee
pick up donuts

make hoagies &
last minute pick ups
for dinner

start approx. 3:30 pm

SUNDAY, JUNE 26

set up breakfast

clean up

NEEDED:

any snacks & desserts
would be appreciated

any desserts, cakes, cookies
or snacks
are
appreciated

MINUTE:

BREAKFAST:
(only after tower is
positioned)
Coffee & Donuts

LUNCH:
Hoagies
Chips & Pretzels

DINNER:
Barbequed Baked Chicken
Summer Salads
Cole Slaw &
Macaroni Salad

ALWAYS AVAILABLE:
(as long as supply lasts)
Soda and Coffee
Hoagies, made previously
Donated Items

BREAKFAST:
Egg "Field" Bifflins"
Egg Sandwiches
with Canadian bacon
and cheese
Coffee

Your donated items make the event social and special. We appreciate your way
of helping boost our score!

TNX & 73, N2AKL & N2FNF

Field Day '89' - June 24 & 25

I sure hope everyone is checking out their gear, antennas, tents, and etc, as there is not a lot of time left before the weekend. With propagation as it has been, plenty of food, and the amenities of the trailer, we can look forward to a lot of contest points and good fun.

The station locations will have to be altered from what they were last year as there is a commercial rye crop being grown on the 4-H grounds this year. I have been out to the site and saw that the rye starts about where the tower base was set last year. So we are short about 150 feet from the total length we had last year. By the time this hits your mailbox there will have been a Field Day meeting and these minor problems will have been ironed out. Also, Ed, W2GSN, has assured me that the septic system will be finished, and covered over; by Field Day weekend, which is good news. Otherwise, with the amount of ground that is torn up for it, we will be running two or three stations from one tent. That could easily get on one's nerves.

Band Chairmen and others planning to stay for meals, contact Irma (N2FNF) or Roslyn (N2AKI.) and let them know your plans by June 16. They have to have a reasonable idea of how many people to prepare for in order to know how much to buy. If we don't tell them, then they can only make a well experienced guess and they should not have to do that. Also, The coffee, donuts, etc, will be put away when we start putting up the tower on Saturday morning and brought back out when the job is complete.

Band Chairmen take note: do not put any antenna supports of any kind in the rye crop or where the peach field is. There are new seedlings in the peach field and the rye crop is a commercial venture for someone. If we ruin something on these sections then I would imagine the club would be held liable and we don't need that grief.

Parents: your children are most welcome to come out to Field Day with you. Please educate them on the hazards of wires and cables that will be laying on the ground, and antenna support lines that will be staked down to the ground. Also, there are some large holes that have been dug to put phone poles into. Though the holes are large in diameter and no more than a few feet deep, if your child falls into one, he or she could get hurt. Try to have them play in the center of the site area where they will be the safest. No child has been hurt yet during Field Day and that is a record that I want to never change.

A reminder to everyone that is coming out, please bring your HT and charger, if you own one. 147.54 MHZ. will be our on-site intercom freq. during the weekend for whatever information passing or paging that needs to be done.

Legal set-up time for us is 2pm. Friday afternoon, the 23rd, so if anyone wants to go out that afternoon and start setting up their gear, feel free. As for the security and safety of your equipment if you are not staying over Friday night, there will be people on the grounds from Friday afternoon on into Saturday.

I have to say that I am really disappointed this year by the turnout that I am seeing for Field Day. At this point in time there are only 7 bands covered and I can literally count on one hand the number of people that have said that they would come for some part of the contest. So far better than 80% of the people that have told me they will be out, are Field Day "regulars". People who I can count on to be there. Where is the rest of the 190 members of the club? If half the club participated, we would have all stations going the full 24 hours and rack up several thousand more points than we could ever hope to otherwise. Field Day is not life or death so it doesn't matter if someone makes mistakes. You don't have to be a Band Chairman in order to come out. You don't have to run 25 wpm to operate CW. It's not an event that just sprang up, so you could plan your weekend for it, unless you have to work of course. Part of being a club member is participating in some of the activities that take place, whether it be this club or any other. Otherwise, why join? I just fail to understand the obvious lack of enthusiasm this year. So much for my two cents.

The following are Band Chairpersons thus far:

80 CW. - John Fisher - K2JF
 75 PH. - Art Strong - KA2DOT
 40 PH. - OPEN
 40 CW. - Ken Newman - N2CQ
 20 PH. - Ed Sumek - W2GSN
 20 CW. - OPEN
 17 PH. - Ray Martin - WB2LNR
 17 CW. - OPEN
 15 PH. - OPEN
 15 CW. - OPEN
 10 PH. - Dan White - N2FKT
 10 CW. - Jack Zaruba - K2ZA
 6 PH. - OPEN
 6 CW. - OPEN
 2 PH. - OPEN
 2 CW. - OPEN
 220 PH. - OPEN
 440 PH. - OPEN

As you can see, there are a lot of openings left. If you are considering taking a band but are totally unsure about it, give me a call on 2 meters or at home - 779-2891, and let's talk. Till then, see you at the meeting and at Field Day.
 Art - KA2DOT - Chairman Field Day '89'



6510 Park Avenue
 Pennsauken, NJ 08109
 Phone (609) 488 0841
 Data (609) 488-0880

MICHAEL EVANS
 Sales Manager



KEVIN TIERNEY, Manager
 609-228-3140

Batteries For
 Automotive
 Commercial
 Marine
 Industrial
 Chargers & Cables
 Back-Up Power

VPR Commerce Center
 1001 Lower Landing Rd.
 Blackwood, NJ 08012-3105

***** PUTTING EARTH IN ITS PLACE *****

FIVE HUNDRED YEARS AGO EDUCATED PEOPLE BELIEVED EARTH WAS THE CENTER OF THE SOLAR SYSTEM. THE MAN WHO WOULD PLACE EARTH IN ITS PROPER POSITION-POLISH ASTRONOMER NICOLAS COPERNICUS-CHALLENGED THIS VIEW BY PROPOSING THAT EARTH AND THE OTHER PLANETS REVOLVED AROUND THE SUN.

COPERNICUS, BORN ON FEBRUARY 9, 1473, PITCHED HIS MODEL OF THE UNIVERSE AGAINST THE 1,400-YEAR-OLD GEOCENTRIC MODEL. IN THE GEOCENTRIC MODEL EARTH WAS STATIONARY AND THE PLANETS MOVED UNIFORMLY AROUND EARTH IN CIRCULAR ORBITS, TO EXPLAIN WHY THE PLANETS DON'T APPEAR UNIFORMLY ACROSS THE SKY, COMPLEX GEOMETRICAL CONCEPTS LIKE EPICYCLES AND EQUANTS WERE USED. WITH THE SUN AT THE CENTER OF THE UNIVERSE, HOWEVER, THE MOVEMENTS OF THE PLANETS WERE EASIER TO EXPLAIN. THE COPERNICAN SYSTEM PROPOSED THAT VENUS AND MERCURY ALWAYS STAY CLOSE TO THE SUN IN THE SKY BECAUSE THEY ARE CLOSER TO THE SUN THAN EARTH IS AND HAVE SMALLER ORBITS. THE PLANETS FARTHER FROM EARTH- MARS, JUPITER, AND SATURN- SEEM TO MAKE A BACKWARD LOOP IN THE SKY BECAUSE THEY ARE FURTHER FROM THE SUN AND HAVE LARGER ORBITS THAN EARTH DOES.

COPERNICUS ONLY WENT SO FAR IN HIS THEORY. HE STILL BELIEVED THE PLANETS MOVED IN UNIFORM CIRCLES. FROM COPERNICUS MODEL, HOWEVER, FIFTY YEARS LATER JOHANNES KEPLER DEVELOPED A WORKABLE HELIOCENTRIC MODEL WHERE THE SUN IS NOT ONLY THE CENTER OF THE SOLAR SYSTEM BUT ALSO EXERCISES A PHYSICAL FORCE ON THE MOVEMENTS OF THE PLANETS.

COPERNICUS DESCRIBED HIS NEW SYSTEM IN "DE REVOLUTIONIBUS" BUT WAS AFRAID TO PUBLISH IT FOR YEARS BECAUSE HE THOUGHT HIS THEORY MIGHT BE CONSIDERED HERESY. IN 1543, AFTER A DEDICATION TO THE POPE WAS ADDED, THE BOOK WAS FINALLY PUBLISHED, THOUGH COPERNICUS LAY ON HIS DEATH BED AT THE TIME AND MAY NEVER HAVE SEEN A PRINTED COPY.

KEPLER'S LAWS

FROM ASTRONOMICAL OBSERVATIONS WHICH KEPLER AND OTHER (NOTABLY TYCHO BRAHE) HAD MADE OVER A LONG PERIOD OF TIME. JOHANNES KEPLER (1571-1630) DISCOVERED THREE LAWS THAT THE PLANETS OBEY AS THEY MOVE AROUND THE SUN;

1. EACH PLANET HAS AN ELLIPTICAL ORBIT WITH THE SUN AT ONE FOCUS,
2. EACH PLANET MOVES SO THAT A RADIUS VECTOR FROM THE SUN TO IT SWEEPS OUT EQUAL AREAS IN EQUAL TIMES.
3. THE RATIO BETWEEN THE SQUARE OF A PLANET'S PERIOD OF REVOLUTION AND THE CUBE OF ITS AVERAGE DISTANCE FROM THE SUN HAS THE SAME VALUE FOR ALL THE PLANETS. (THE FAMOUS $T^2 = R^3$ EQUATION).

THESE LAWS WERE USED BY SIR ISSAC NEWTON TO ARRIVE AT HIS UNIVERSAL LAW OF GRAVITATION. $F = G \frac{Mm}{r^2}$ WHICH FOLLOWS FROM KEPLER'S THIRD LAW.

TNX K2JF VIA KB2COB BBS

***** SPACE SHUTTLE AMATEUR RADIO *****

AN AMATEUR RADIO STATION IS SCHEDULED TO FLY ABOARD THE SPACE SHUTTLE IN MARCH 1990. APPROVAL FOR THE INCLUSION OF THE SPACE SHUTTLE AMATEUR RADIO EXPERIMENT (SAREX) ON THE SECONDARY PAYLOAD LIST OF FLIGHT STS 35 HAS BEEN RECEIVED FROM THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION (NASA) HEADQUARTERS.

RON PARISE, WA4SIR, A PAYLOAD SPECIALIST FOR THE ASTRO 1 PAYLOAD TO BE CARRIED ON THAT FLIGHT WILL OPERATE THE STATION IN THE ORBITING SHUTTLE.

REPRESENTATIVES OF ARRL AND SAREX, AND THE RADIO AMATEUR SATELLITE CORPORATION, AMSTAT, STATED THAT THEY LEARNED OF THE APPROVAL AT A MEETING WITH NASA OFFICIALS HELD ON MARCH 14 AT THE LYNDON B. JOHNSON SPACE CENTER IN HOUSTON, TEXAS.

WA4SIR WILL COMMUNICATE WITH AMATEUR OPERATORS WORLDWIDE USING VOICE AND IDEO COMMUNICATIONS, AS WELL AS PACKET RADIO. THE ORBIT OF THE SHUTTLE WILL ALLOW AMATEURS LOCATED BETWEEN APPROXIMATELY 46 DEGREES NORTH AND 46 DEGREES SOUTH LATITUDES TO COMMUNICATE DIRECTLY WITH THE SHUTTLE. THE SAREX TRANSMISSIONS FROM SPACE SHUTTLE WILL BE SUCH THAT A STANDARD SCANNER RADIO CAN RECEIVE THEM. STAY TUNED TO THE ARRL LETTER, QST, AND WIAW BULLETINS.

TNX WIAW VIA WA2VXT PBBS

DISCOVER US!

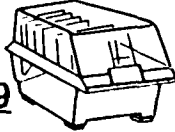
RIBBONS

Apple Imagewriter	\$2.80
Brother HR15/25(ms)	\$2.55
Citizen 120D/180D	\$4.25
Commodore 801	\$2.80
Diablo Htype II(ms)	\$1.90
Epson EX 800/1000	\$6.00
Epson MX,RX,FX-70/80/85	\$2.70
NEC P2/P6	\$4.75
NEC P3/P7	\$5.00
Okidata 293/294	\$8.00
Okidata 182/192/320/321	\$4.25
Okidata 80/82/S. Gemini 10	\$1.00
Okidata 84	\$3.50
Panasonic KXP-1090/1124	\$3.50
Star NX/NP/ND-10/NB24-10	\$4.30
Toshiba 1350/351/341/(HD)	\$3.50

Other ribbons available.

Special Disk File

At a
Special
Price \$4.99



SRW 5 1/4" or
3 1/2" Disk File
5 1/4" File - holds 60 Disks.
3 1/2" File - holds 50 Disks.
Complete line of SRW
computer products.



29¢ BULK
each, 100 or more

DISKS

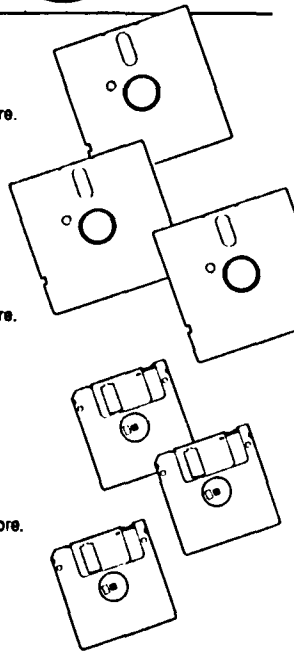
33¢ each, less than 100. 34¢ WHITE BOX available, 100 or more.
• 5.25 DS/DD, Black • Sleeves • 5 Color Labels w/ Tabs
IN 17 COLORS 41¢ ea., 100 or more
(Minimum lot of 20; one color per lot) 45¢ ea., less than 100
IN 17 COLORS, WHITE BOX 46¢ ea., 100 or more
(One color of 10 per box.) 50¢ ea., less than 100

59¢ BULK
each, 100 or more

63¢ each, less than 100. 64¢ WHITE BOX available, 100 or more.
• 5.25 HD/AT, Black • Sleeves • 5 Color Labels w/ Tabs
IN 8 COLORS 89¢ ea., 100 or more
(Minimum lot of 20; one color per lot) 94¢ ea., less than 100
IN 8 COLORS WHITE BOX 94¢ ea., 100 or more
(One color of 10 per box.) 98¢ ea., less than 100

\$1.07 BULK
each, 50 or more

\$1.11 each, less than 50. \$1.12 WHITE BOX available, 50 or more.
• 3.5 DS/DD, Blue, Grey & Black • 5 Color Labels
IN 5 COLORS \$1.28 ea., 50 or more
(Minimum lot of 10; one color per lot) \$1.32 ea., less than 50
IN 5 COLORS, WHITE BOX \$1.33 ea., 100 or more
(One color of 10 per box.) \$1.37 ea., less than 100



CONTINUOUS FORM LABELS

Size	Across	Per Box	Price/1,000
2 3/4 x 7/16	1 across	10,000	\$2.05
2 3/4 x 7/16	4 across	20,000	\$2.05
2 1/2 x 15/16	1 across	5,000	\$2.40
2 1/2 x 15/16	3 across	15,000	\$2.30
2 3/4 x 2 3/4	1 across	2,500	\$12.00
2 3/4 x 1 7/16	1 across	5,000	\$3.75
3 x 15/16	4 across	20,000	\$2.10
3.3 x 15/16	4 across	20,000	\$2.15
3 1/2 x 15/16	1 across	5,000	\$2.00
3 1/2 x 15/16	2 across	10,000	\$2.00
3 1/2 x 15/16	3 across	15,000	\$2.00
3 1/2 x 15/16	4 across	20,000	\$2.00
4 x 15/16	1 across	5,000	\$3.50
4 x 15/16	3 across	15,000	\$3.50
4 x 1 7/16	1 across	5,000	\$3.55
4 x 1 7/16	3 across	15,000	\$3.55

Many other sizes available. Call for further information. *Designed for the 3 1/2" disk. Prices quoted for full boxes only.

Orders less than \$150.
add \$4.50 shipping and
handling charge,
Continental USA only.
C.O.D. add \$2.75.
Orders over \$150. call
for UPS charges.
Purchase orders, VISA
and MasterCard
accepted. All orders
F.O.B. Westville, NJ
and Fresno, CA. For
faster service and
delivery, all West Coast
orders are shipped
from Fresno, CA.

1-800-426-3303

(In New Jersey, call 609-456-6996) FAX# 609-456-7172 • Call for free catalog.



1040 Broadway, Westville, NJ 08093 and Fresno, CA.

***** AMERICAN CANCER SOCIETY *****
***** BIKE-A-THON *****

I AM SOLICITING HELP FROM OUR CLUB MEMBERS AND SOME OTHER CLUBS ON BEHALF OF THE CANCER SOCIETY. THE DATE IS JULY 23, 1989, IF YOU CAN HELP LET ME KNOW, LEAVE A MESSAGE AND TEE SHIRT SIZE ON MY MACHINE.
TNX WALT

***** MS 150 BIKE-A-THON *****
SAME DEAL AS ABOVE, EXCEPT THIS IS A TWO (2) DAY AFFAIR, SEPT. 23&24th I WILL HAVE SIGN UP SHEETS AT THE MEETING OR LEAVE MESSAGE AND TEE SHIRT SIZE ON MY MACHINE.
TNX WALT

***** FCC EXAMS *****
FCC EXAMS, THIRD THURSDAY OF EACH MOUNTH, 7:00 PM SHARP, BELLMAWR COMMUNITY CENTER, BROWNING RD. AND LEWIS AVE. NO PRE-REGISTRATION IS NECESSARY. FEE \$4.75. MUST BRING ORIGINAL FCC LICENSE AND COPY OF SAME PLUS SOME OTHER FORM OF IDENTIFICATION. WE SUPPLY EVERYTH ELSE INCLUDING 610 FORMS.
TNX BILL WA2VQG

Joseph Fazzio, Inc.

RD 1, BOX 554, GLASSBORO, N.J. 08028

BUILDING MATERIALS

STEEL BEAMS, ANGLE, CHANNEL, PIPE
LUMBER, MILLWORK, HARDWARE

Phone:
(609) 881-3185

Corner of Pitman Downer Road
and Glassboro Cross Keys Road

Open 7 A.M. to 1 A.M.

(609) 228 5166



Fine Selection of Gourmet Food

Steaks • Chops • Seafood
Cheesecake

Rte. 47 & 41 Deptford Township
Conveniently Located at
5 Corners Intersection
P.O. Box 392 Sewell, NJ 08080

Ample Parking

FULL PAGE----\$350.00

1/4 PAGE----\$87.00

HALF PAGE----\$175.00

1/8 PAGE----\$43.00

BUSINESS CARD----\$35.00

G L O U C E S T E R C O U N T Y

A M A T E U R R A D I O C L U B

N E W S P A P E R A D V E R T I S E M E N T O R D E R F O R M

FULL PAGE (8 1/2 X 11).....	\$350.00
HALF PAGE (8 1/2 X 5 1/2).....	\$175.00
1/4 PAGE (5 1/2 X 4 1/4).....	\$87.00
1/8 PAGE (2 3/4 X 4 1/4).....	\$43.00
BUSINESS CARD AD.....	\$35.00

THE ABOVE PRICES PERTAIN TO ADVERTISING THAT ARE COPY READY.

ADVERTISERS NAME-----

ADDRESS-----

COPY TO READ-----

ADVERTISING COPY IS () ATTACHED () TO COME ()

SOLICITED BY-----

RECEIPT FOR ADVERTISER

NAME-----

ADDRESS-----

SIZE OF AD=====COST OF AD \$-----

NOTE; PAYMENT MUST ACCOMPANY EACH ORDER. MAKE CHECK PAYABLE TO

GLOUCESTER CO. AMATEUR RADIO CLUB

SOLICITOR-----

***** PUZZEL SOLUTION ****

***** NO ONE SOLVED IT *****

```

GRNDIPOLEREUALLYRRAHRYR-3AK
EE2EXTRAKRINSTEVESSONAE
NVFRKZOWEJIMHOLLICAQSL2HL
FEFSZXKJ2GAARUTHBOBOYZOXO
RIOTTKJ2ETXJEFHARDERHRWG
ACMX1220SWRLXWRTTYLHPWABH
LEACNOGYTXWAAAAYLRJHW222O
NFRIFNDUOSOLOSAEAOECPZEEO
AFTAIGGWHCHEHTHASSOZPLZOR
MGIRLNEAGHDSHARHGRBICYAYX
DZNELOOLOAAEEHEFEFTLCEFTZ
LTONERRTRSTPTWJHOLXLICJHE
OFGCATTGAMNESSEYOHIDTLHEROP
CMREHSESAREIRCYRCUTLIDOGHO
NDAMCTMHNLRESSEYERKRXBIAL
ONDCTRUTXEAOTEAEERHEROGHSE
TOYCHANO RHJACHCLEATHT4EJGS
LMXLSTNNZYRAGLCIUESARSARO
IYTAKOSUWRJDAIIPTELELHHAJ
MAENFDDBHWHVILHASSHRPEACE
LRKA223OJMHOTIOMERORRYHCIZ
IBCHNANA2CNWCARQTAQEXTREO
W2AAWK2W2GSNEDSUEK44OJW2
3IPNXNXW2LVWJAMESPECKNEAB
KLA2QFKCHRISTINEWESTXUTCCLW

```

CLUES-----THERE ARE (30) CALL SIGNS & NAMES

THERE ARE (41) DAN RELATED ITEMS

ANSWERS NEXT MOUNTH-----THE FIRST PERSON WHO THINKS
THEY HAVE ALL THE ANSWERS, WILL RECIEVE 100 GCARC QSL
CARDS. CALL NZEJO TO VERIFY.

GOOD LUCK

JACOBS MUSIC
SHEET MUSIC DEPARTMENT
(215) 568-2249


Ralph E. Fisher
PRESIDENT/GENERAL MANAGER

MUSIC BOOKS & SHEET MUSIC
OF ALL PUBLISHERS

1718 CHESTNUT STREET
PHILADELPHIA, PA 19103

Resumes • Letterhead • Envelopes • Business Cards • Signature Stamps

Embossers • Wedding Announcements • Rubber Stamps • Engraved Signs



AmerEagle Duplications Facsimile Trans

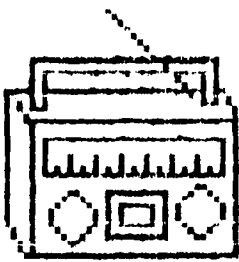
62 South Broadway
Pitman, New Jersey 08071
(In the center of Pitman, across from Driscoll's Hardware and Bob's Craft Shop)

(609) 582-0888

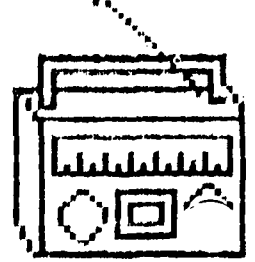
Excellence in Lithography at Old Fashioned Prices.

Photocopies \$11M 86 Each | Fax No.: 609-582-2430

Engraved Accessories • Blue Prints • Lamination • Velo Binding • Social Announcements



JUNE



1989

SUN

MON

TUE

WED

THU

FRI

SAT

				1	2 LUNCH 5 POINTS DINER	3
4 G.C.A.R.C. ARES / RACES NET 20:00 PM	5	6 G.C.A.R.C. 10 METER NET 2100 PM 29.250 MHZ USB 6 DAY MONTH THAT FOUNDED	7 G.C.A.R.C. GENERAL MEMBERSHIP MEETING 2000 PM WOODBURY YFW HALL PSE ATTEND	8	9 LUNCH 5 POINTS DINER	10 DELAWARE OSU PARTY ARRL JUNE OSU PAR
11 G.C.A.R.C. ARES / RACES NET 20:00 PM	12	13 G.C.A.R.C. 10 METER NET 2100 PM 29.250 MHZ USB	14 FLAG DAY	15 FCC EXHIBITS BELLHOB COMMUNITY CENTER DELLMAR, N.J. 1300 PM SHARP	16 LUNCH 5 POINTS DINER	17
18 G.C.A.R.C. ARES / RACES NET 20:00 PM FATHERS DAY	19	20 G.C.A.R.C. 10 METER NET 2100 PM 29.250 MHZ USB	21 G.C.A.R.C. BOARD OF DIRECTORS MEETING 2000 PM CLUB SITE SUMMER BEGINS	22	23 LUNCH 5 POINTS DINER	24 FIELD DAY CLUB SITE PSE ATTEND
25 G.C.A.R.C. ARES / RACES NET 20:00 PM KOREAN WAR BEGAN	26	27 G.C.A.R.C. 10 METER NET 2100 PM 29.250 MHZ USB	28 DEADLINE FOR CROSSTALK	29	30 LUNCH 5 POINTS DINER	

PSE COME OUT TO FIELD DAY WE NEED YOUR HELP TNX