

July, 1971

GCARC

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Wayne Wood, W2SUA
Howard Carter, WA2OVQ
Gordon Cooper, W2PAX

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JULY CLUB MEETING--JULY 24 - PICNIC! AT LAKE GARRISON

- 2 -
"GCARC ANNUAL PICNIC"

When? July 24th

Where? Lake Garrison (about 6 miles below Glassboro)

What Time? 10:00 A.M. till---

Prizes? Yes!

Rain Date? Same Day--Pavillions are available.

In place of the July club meeting, GCARC presents its annual Club Picnic, with co-chairmen John Kull, WB2GKH, and our newest Technician Howard Carter, WA2OVQ, at the helm. John, a past master at organizing successful picnics, and Howard assure everyone who attends (price is will have a great time. There will be the usual activities--swimming, boat rides, canoeing, games and prizes for the kiddies, swap and shop, and prizes for the hams and XYLs. So bring all the family (and friends as well), a picnic lunch, supper, or both, and plan to spend the day loafing by the Bill Shaw villa on Lake Garrison.

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MORE CONGRATULATIONS

To Howard Carter, WA2OVQ, who obtained his Technician ticket just prior to Field Day. It certainly came in handy as Howard was helping rack-up points on 6 M. Also, to two of our newest members, Bruce Painter, now WN2AXH, and Steve Asay, now WN2AXJ (wonder who got the AXI) who each obtained their Novice licenses. Very FB men--keep up the studying and, before long, you will be Techs or Generals for sure!

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4-SALE

DX-60 Xmtr, excellent condition--just rite for the new Novice; tower, 4-10' sections (not hinged), 3-legged type--self supporting; no good offer refused; see Tom Louis, WA2MFS,

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"FIELD DAY RESULTS" - 1971

Well, here they are gang! Hot off the W2FBB "press". As indicated on the following pages, we didn't quite measure up to our 1970 performance although we had 1 more band (15 M) in operation this year. As indicated by the score board, 40 M suffered the greatest loss compared to last year. As your humble Editor was also 40 M Band Chairman, I feel a word of explanation is forthcoming. First of all, the 40 M Chairman ran-out on the job from about 8:00 P.M. to 2:30 A.M. on Saturday night and, our attempts to work phone in the interim, met with horrendous band conditions. Also, two of our A-1 CW Ops. (W2FBB and WB2WAK) devoted considerable hours boosting up the 20 and 80 M scores because of their sympathies for those bands who otherwise may not have scored so

"FIELD DAY" (Cont.)

well--they figuring that WA2NPD was astute enough to hold-up his end on the 40 M score. They didn't figure or realize that WA2NPD was physically exhausted and beaten having suffered through 3 antenna raisings, much soldering, winding of tape, avoiding the "clutch" of W2SUA--all of this following the flying visit by Phil, the "green phantom", and his "flying bridge" just prior to the opening FD starting gun! As if this wasn't enough, the 40 M crew had to, soon thereafter, suffer through several minutes of highly noxious odors from burning insulation awaiting the demise of the WB2GKH 6 Meter rig. To top off this travesty, the food prepared by the XYL crew was so delicious that WA2NPD et al ate too much which induced a state of relaxed drowsiness not overtly conducive to alert CW operation (sort of like driving after drinking). I trust the above comments will not be construed as excuses, but merely as facts relating to and pertaining to the situation as it were (or was?). Nevertheless, wait till next year!!

Regardless of the 40 M situation, the FD must be considered a huge success from other angles. Never in the 11 year history of GCARC, has such a large percentage of the club members participated in some way, shape, or form. It was particularly gratifying to see so many of our newest members helping with the antenna raisings, logging, looking after the generators, etc. The XYL prepared food was better than ever and everything ran on sked which must be credited to General Chairman, Ken Newman, W2FBF. WA2NPD especially thanks Steve, W2PZX, for the loan of his transceiver and other hardware. WB2GKH (whose antenna must rate 1st prize), and WB2WKV must rate special plaudits for getting some "wallop" back into 6 and 15 Meters respectively.

The W2FBF Statistician sheet follows:

<u>Band</u>	<u>Operators</u>	<u>QSO's</u>	
		<u>1971</u>	<u>1970</u>
80 M	WB2FJE, W2FBF, WA2PVH	402	495
40 M	WA2NPD, WB2WAK, W2FBF, WB2FSH, WA2VAT, W2AFZ W2PZX	269	474
20 M	WB2JZX, WA2EOB, WB2WAK, W2SUA, et al.	312	296
15 M	WB2WKV (WN2OLS logger)	144	43
6 M	WB2GKH, WA2SEA, WA2OVQ, WA2WOD	112	55
Novice	WN2OMY, WN2AXJ, WN2AII (others?)	<u>26</u>	<u>1</u>
TOTALS		1265	1364

Excellent improvements on 15, 6, and Novice nearly offset the staggering loss of 205 QSO's on 40, and 93 on 80 Meters.

<u>Band</u>	<u>QSO's</u>	<u>QSO's Avg./Hour</u>
75 phone	221	15
40 CW	213	15
80 CW	181	27
20 CW	178	14
15 Phone	144	12
20 phone	134	13
6 phone	112	6
40 phone	56	13
80 Novice	26	1.3

Plaudits and Flowers to the Food Committee:

Martha Newman; Mary Hitchner; Rose Callaghan; Sue Frambes; Joan Stull, WA2FGS, Rose Ellen; W2AFZ, Della; and WB2MSH, Henry, the hot dog man. And to our roving photographer--John, WA2PVH (can't wait to see the pictures).

Thanks once again to the Shaw (WB2PVI) Fuel Oil Company who generously provided the gasoline, and the FD Chairmen: W2FBF, general chairman; 80 M - WB2FJE; 40 M - WA2NPD; 20 M - WB2JZX; 15 M - WB2WKV; 6 M - WB2GKH; Novice - WN2OMY.

Condolances to "Murphy" victims W2SUA, and WB2GKH.

Thanks also for many other donations--too numerous to mention by name (most with their prior knowledge).

de W2FBF

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"LATE FLASH!"

Not sure when the event took place, but Harry Walker is now WN2AII. Harry stuck with the code and theory for a good while and finally it stuck with him. Such perserverance from, I believe, our youngest club member, is well worth the recognition. Nice going, Harry!

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PACK RAT PICNIC (MT. AIRY VHF CLUB)

All GCARC members invited; Fort Washington State Park, Flourtown, Pa., August 8th (rain date the 15th), \$2.00/family, door prizes galore, free soda and games for all.

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DX DIARY

Propagation

Despite an accelerated decrease in the sunspot cycle, both 15 and 20 meters are expected to share the honors for optimum propagation conditions during July. Good to excellent openings are forecast for 15 meters throughout much of the daylight hours, and to some areas throughout the early

DX DIARY (Cont.)

evening hours as well. Conditions will favor north-south openings, but some openings are expected to almost all areas of the world. Peak conditions on this band should occur during the late afternoon and early evening hours. Twenty meters should remain open for DX to one area of the world or another, almost around the clock. Optimum conditions are forecast for the early evening hours, the hours of darkness, and the sunrise period, with excellent openings possible to almost all areas of the world. The seasonal decrease in daytime F-layer ionization coupled with lower solar activity will sharply reduce the number of 10 meter DX openings during July. Nevertheless, some fairly good openings should be possible on north-south paths and to tropical regions, especially during the afternoon hours. Despite seasonally higher static levels, some fairly good 40 meter DX openings should be possible to many areas of the world during the hours of darkness and the sunrise period. High static levels are expected to reduce the possibility of 80 meter DX openings during July, although some fairly good ones are forecast for the hours of darkness. Not many DX openings are expected on 160 meters during the month, because of seasonally high levels of static and solar absorption.

Short-skip conditions are expected to be optimum during July, due mainly to the combination of peak sporadic-E ionizations and seasonally peak nighttime F-layer ionization. During the daylight hours considerable short-skip openings are forecast for 10 and 15 meters over distances ranging between approximately 500 and 1300 miles, with some openings extending as far out as 2300 miles. Frequent short-skip openings on 20 meters, ranging between 250 and 2300 miles are expected almost around-the-clock, with peak conditions occurring during the late morning hours and again during the late afternoon and early evening hours. Good daytime short-skip openings are expected on 40 meters between distances of approximately 100 and 600 miles, with excellent night-time openings between 250 and 2300 miles. Good 80 meter openings are forecast for the daylight hours over distances up to approximately 300 miles, with the range extending up to approximately 2300 miles during the hours of darkness. While no 160 meter short-skip openings are expected during the daylight hours, some openings should be possible during the hours of darkness for distances up to about 1300 miles. During periods of lower than usual static levels, 160 meter night-time short-skip openings may extend as far as 2300 miles, the maximum possible by one-hop propagation.

The present sunspot cycle is now decreasing at a more rapid pace than during the past several months. The Swiss Federal Observatory at Zurich reports a monthly mean sunspot number of 58.2 centered on March, 1971. This results in a 12-month smoothed sunspot number, upon which the cycle is based, of 96 centered on September, 1970. This is the first month since November, 1967, that the level of solar activity has dropped below 100. A smoothed sunspot number of approximately 70 is now forecast for July, 1971.

June DX Report

WA2NPD "Doug" - HR1WA, UA9VB, UA1TN, UO5AW, YN1VMD, 9Q5RH, ZP5CF and 3A2AV, all on 20 meters A-3A.

W2SUA "Shorty"- FL8HM (Fr. Somaliland), MP4TDM (Trucial Oman), 3A0FP (Monaco) and VK9NP/W (Willis Island) all on 20 ssb. Shorty advises that after July 1 IRC's will cost 22¢.

June DX Report (Cont.)

WN2MEM "John" - HI8FED cw, EL2CB cw/ssb, HB9QH cw & cw/ssb, VE3GKH cw/ssb, HR3AC cw, VE3RB (licensed in 1919!) cw/ssb, VE3WG (licensed in 1924!) cw/ssb, DL1OV cw/ssb, VP9CK cw, SM7DDE cw, F8OX cw/ssb, DJ1DW cw/ssb, all on 15 meters.

Note: Anyone who gets on the West Side Radio Club Net at 1500Z on 7190 mhz each Sunday can, after the net closes, work VE3)SC, the Ontario Science Center, from which Chris, VE3CJK operates. Chris will gladly send the VE3OSC qsl card, a most interesting and attractive qsl! He is on ssb and will work cross mode with cw callers - just hold down the speed a bit, saw around 10 wpm.

John/WN2MEM

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Gloucester County Amateur Radio Club

Dear Members:

It is difficult to express in words my appreciation for the wonderful testimonial dinner you gave me. Believe me, it was completely unexpected and a delightful surprise.

All I can say is thank you so much - any other words would be superfluous.

Van Turner - W2KE

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Gloucester County Amateur Radio Club

Dear Gals and Guys:

Please accept our sincere thanks for the lovely corsages and the wonderful treatment given us at the testimonial dinner for Van.

Your thoughtfulness and hospitality will long be remembered.

Thanks again,

Lillian and Barbara Turner

"LES BELLES" By - Rose Ellen - WA2FGS

The Women's Radio Of New England--commonly known as the WRONE's are now celebrating their fifteenth anniversary. To mark this milestone, the gals decided to publish a COOK BOOK containing the favorites of any and all YLs who would send in their recipes. Notices were sent out to all amateur publications all last year.

The Cook Book chairman is Blanche-KLIZT and assisting her were: Norma-KLWXF, who started the project during her first year as President; Onie-WLZEN, who typed all the stencils and did nearly all of the printing; Betty-WAIAJN, the artist who did the original cover design; Edie-KLEKO, who did the designs and stencils on all of the divider pages; Peggy-KIGSF, willing to do the printing but winter weather interfered; Helen-WLHOY/KP4, who had foresight of saving recipes collected several years ago; the several YLs listed with their recipes throughout the book; (WA2FGS was one of these, hi.) Wes-KLHTK and Woody-WLRCJ, assisted in many ways--most valuable of which was all the cutting, and Ray-WLFY, who loaned his cutter and punch.

You may be interested in the following as quoted from this Cook Book:

"My husband says I'm not much of a cook."

"We're the only family in town that can go on a picnic and not be bothered by ants."

Cooking for 50 or More

BAKED BEANS FOR 100:

8 qts. dry beans	4 lbs. salt port
20 qts. salad	20 doz. rolls
4 lbs. butter	20 pies
4 qts. cream	2 lbs. coffee

CHICKEN SALAD FOR 50:

4 qts. chicken, cut in cubes
4 qts. celery, diced
2 qts. salad dressing

CQ QUICKY

1 lb. Hamburg	1 teas. Salt	1 can Franco-American Spaghetti
1 tbstp. Onion Flakes	1/8 teas. Pepper	1 tbsp. Cooking Oil

In 1 tbsp. heated cooking oil, brown hamburg, onion, salt, pepper. Empty can of spaghetti over whole mess. Simmer until OM HOLLERS FOR LUNCH.

Ripe Olives

As good as RIPE OLIVES are, they are even better when heated in their own liquor and SERVED HOT.

Hope you enjoy just a small part of this COOK BOOK. The book may be purchased by sending in your request to the Chairman.

"RAMBLINGS OF A GHOST WRITER"

One day as a teenager, I visited the Philadelphia Navy Yard on Navy Day when it was open to the public. All of the sights, including several battleships and a submarine, held me in awe (as it would to anyone seeing these ships for the first time). I wandered from submarine to ship taking in all of the interesting machinery aboard. The minutes soon became hours until I wandered into the radio station. Something seemed to hold me there watching the sailor operators, or as they are known as "Sparks", receiving and sending messages by code. Not that I understood what was being said, but there seemed to be a fascination in it for me. Many visitors passed through the station while I still watched for over an hour. Finally, the chief officer came up to me and said, "You must see something interesting here, would you like to see more of the station?" To my delight he took me behind the large transmitters, the power room, and explained how messages were received and decoded. I told him I had made a very cheap receiver and was trying to copy the ship wireless signals that I was hearing. Well, without being hackneyed, I can truthfully say that the influence of that visit and the interest of that senior officer who took time out from his duties had a great deal to do with my becoming a ham. Perhaps if he hadn't stopped to talk to me I wouldn't be interested in radio today.

You see, someone cared. Someone noticed that interest I displayed. Someone wasn't too busy to give advice. I dare say that pretty nearly everyone today owes his start to someone who was interested. So, in our club, lend a helping hand, be a big brother, the results are very rewarding. How can you sell anything if your not sold on it yourself 100%?

I was wondering when we have our code classes whether any effort is made to enlist YL's in the class. Maybe people take for granted that the class is restricted to a man's world. Maybe we aren't telling the world that YL's are invited to join. I was talking to a Ham the other day who is quite famous as an electronic engineer. He told me he has three sons who are hams and a daughter who also is licensed and is now doing research work with the aero space program on micro-wave transmission. What a proud father he is. But the point that I want to make is the fact that this YL took advantage of the opportunity to become a ham. If she hadn't been encouraged...who knows???

Whether one has ham radio as a vocation or advocacy, you can say one thing; we all enjoy and have fun doing "our thing". Of course, you get out of it what you put into it.

I feel that we are not putting enough emphasis on the technical side of the issue. It seems to me that we are spending more time on the operation pleasure than on the know how. Can't the club come up with some technical projects in which all of the members can have their hands in the action? It's just like driving an auto; you can be told a number of times what to do, but until you have the feel of the car in your hands and driving becomes a reality, you lack the know how. This applies also to electronics so, let's see if we can't come up with a suitable program.

Saw in an issue of QST where a radio club gives a nice plaque to the member who brings in the most new members within the year. Then also there is an award made to the outstanding club member for all around Field Day work. These are little ideas that could promote big results..
HEAR, HFAR,.....
7s's es CUL.....Ghost Writer

July, 1971

MESSAGE FROM AREC EC

Since taking over the job of Emergency Coordinator for Gloucester County in December of 1970, it has been my pleasure to work with the finest group of Amateur Radio Operators that I have ever been associated with.

Your A.R.E.C. for Gloucester County has had a very successful season. The Nationwide S.E.T. at our local level was very successful as were our weekly drills on six and ten meters. We had a fine showing on our mobile drill and hidden transmitter hunt, and a nice eyeball QSO at the home of Steve Pakyz, W2PZX.

Several changes have been made since last December, the frequency on ten meters has been changed from 28.6 to 28.8 MHz., the time changed from 9:00 P.M. to 9:30 P.M. local time. The six meter net had some changes also, meetings were changed from 8:00 P.M. Friday to 8:00 P.M. Sunday. Both nets have changed from local time to GMT.

Our net sessions are now over until the first week after Labor Day. I would like to thank Bill Frambes, WB2FJE, the Assistant E.C. for ten meters, and Phil Mattison, WA2WOD, the Assistant E.C. for six meters, for a job well done. Without their help it would have been impossible to have had such a successful season.

I would also like to express my deepest and most sincere thanks to each and every member of our A.R.E.C. Nets, without whose dedication and service our A.R.E.C. could not exist.

Thank you all,

Harry McCormick, WA2SEA
E.C. for Gloucester County