

June, 1972, Issue

GCARC - 1972 (VIP PAGE)

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CLUB MEETING JUNE 7th - AT CLUBROOM - 8:00 P.M.

It's June already and Field Day is almost upon us! Hope to see a large turnout at the June meeting as we will finalize our Field Day plans, club picnic, and select a new club QSL card. It promises to be a busy night. As you know, we don't have a club meeting in July--so make it a point to attend this one. Any of the xyls who would be willing to whip up a cake or some potato salad for Field Day, please contact my xyl, Joan. Ron, WA2EOB, has everything pretty well lined up for F.D. Let's all get out there and make this year's operation the best yet! You just might need a bottle of 6-12 for thoes Pedricktown dive bombers! John Kull has tickets available for the picnic at \$1.50 per family. It will be a good opportunity to bring the family out to watch WB2WAK burn steaks. The club is progressing well with an exceptional number of new members joining-up during the first six months of this year. Keep up the good work!

73

WB2JZX

JUNE 7th MEETING--CLUB QSL CARD CONTEST

As outlined in last month's X-TALK, the rules and dope for the big club QSL contest are hereby reiterated here and now!

Ground Rules:

1. The Club seal must appear on the card.
2. The Club colors (blue & gold) must predominate.
3. Entrys (submit as many as you like) on 3½ x 5½ paper or card.
4. Two ballot votes will be taken by the members present at the June meeting. The top 3 choices will be selected on the 1st ballot (vote), and the winner selected from the top 3 on ballot two.
5. Entrys will be given a number only for judging purposes.

REMEMBER -- The winnah automatically has his dues paid-up for next year!! We will expect to see all club artists submit an entry together with those who can't draw a lick also (Ha!). If you are too lazy or inept to draw, create, etc., the least you can do is c'mon out and vote for the card of your fancy! Remember--you are selecting the new (?) club QSL card. We need your vote and your ideas. As usual, WB2GKH, will do his thing with the refreshments (bless you John). So don't miss this meeting.

And also, due to the late issuance of last month's X-TALK with the notice concerning the big \$1.00 sale on club patches, some of you no doubt missed out on this once-in-a-lifetime opportunity. Hence, the sale will be EXTENDED through this month's meeting! (Oh! happy day--joy, rapture!). So, bring along an extra buck and get your club patch at this give-away price. See WB2JZX or WB2WAK.

NOTICE TO THOSE WHOSE 1972 DUES ARE STILL OUTSTANDING!

This is your final issue of X-TALK men -- unless you "cough-up" to treasurer WB2WAK by June 7th meeting time. Also, only those whose dues are paid work F.D. A word to the wise, etc., etc.

FLASH! FLASH! FLASH! FLASH!

GCARC now has its third (3rd) Extra Class ticket holder---none other th a singularly unlikely xyl, no less! Nevertheless, Rose Ellen, WA2FGS, has gone and done it!! We OM's must hang our heads and admit the yl species is not to be ignored or taken lightly. Goes to prove what perseverance, dedication, and effort can bring. Rose Ellen has demonstrated all of those traits (and more) and is certainly to be congratulated on achieving the highest rank in the amateur service. She has set a goal for us all to shoot for (but I'm afraid we all won't match her). (Rose joins a very small select group of YL Extras nation wide.) We are really proud of you, WA2FGS (how's it feel, Bill?, H1).

FD - 1972

"Final Announcement Gang!"

Where? See enclosed map (tnx WA2MEM)
When? June 24th and 25th
Who? All GCARC members. (There is a spot for everyone).
Why? Read QST, you clod!
What Time? Help set-up -- 10:00 a.m. Starting gun is 2:00 p.m.
as usual (EDST).

So check with the band chairman of the band and mode of your choice and sign-up for your trick at the mike or key. Ron, WA2EOB, is general chairman and assures us that all is in readiness. Traditionally, every able bodied club member contributes something to or for F.D.---either helping to set-up antennas, operate, take down, etc. Don't you be left-out. See you on the 24th!

* * * *

OMNIDIRECTIONAL ARRAYS.....

For many applications, it is desirable and important to provide an antenna pattern that is uniform for all horizontal angles. The over-all antenna gain under these conditions will usually have an undesirably low value unless radiators are stacked vertically to provide directivity in the vertical plane. Many of the basic radiators such as loops, dipoles, or sleeve antennas possessing axial symmetry, can be arranged in a vertical array for this purpose. The turnstile antenna consists of two half-wave length dipoles crossed at 90° and excited in phase quadrature. Turnstiles are usually stacked with half-wave spacing and fed in phase. The super-turnstile is used to increase the band-width over which it is possible to maintain a low standing wave ratio. The "dipoles" consist of vertical fins or wire structures. The fin length is usually less than three-quarter wave length, and the vertical separation is approximately one wave length.

The impedances of the driven antenna is lowered by parasitic elements. A folded dipole can be used as the driven element to increase the input resistance of the antenna. The gain of a parasitic array depends upon the number of elements in the array and their spacing. With one reflector or director spaced as to obtain maximum gain, values of approximately 5 db

OMNIDIRECTIONAL ARRAYS (Cont.)

Over a half-wave antenna will be obtained. A three element array with one director and one reflector properly spaced will yield a maximum gain of over 7 db compared to a half-wave antenna. A four element array consisting of a reflector and two directors properly spaced will yield a maximum gain of over 9 db compared to a half-wave antenna.

Many surprises await the ham who will take the time to experiment with the different kinds of antennas. It hasn't been too many years ago that antennas couldn't be purchased and the ham had to build his own if he wanted to get out of his back yard. Today there are still many kinds and types of antennas being built by the true hams, and they are not relying strictly upon basics. Through trying and building, many new ideas can and will be established by the ham. A good example of this is the work done on the various antennas used in the moon bounce. To illustrate a point, several years ago, when I was climbing the ham ladder, one of the fellow hams that worked with us actually loaded and transmitted using a large tomato can for an antenna while some others used a rainspout. It was interesting to see the various gadgets and the results obtained with them. This was fun, and true hamming at its best. We have enough newer members of our club, and this should offer some kind of a challenge to them. See if you can't come up with an antenna home-brewed that will really add points to our field day score. What better time to surprise your fellow hams. I can remember another time when I saw some of the weirdest types of antennas during a hidden transmitter hunt. But let me tell you, they really worked and produced results. Talk to some of the older hams and find out their opinions.

By Wally, W2PLD (reprinted from a 1969 X-TALK)

(Ed. Note: Tnx for FB article, Wally; but hope the 40M antenna for Field Day won't be a tomato can--the balloon was bad enough!).

NEW NET TO BE ACTIVATED

Several months ago, at the beginning of this year to be exact, your Club's Board of Directors decided to establish a "Novice Net" on 15 meters. To date there has been no action on this matter, except some crystals for 21.225 MHz. have been ordered. To overcome this apparent lack of initiative on everyone's part, I have decided to establish a "Novice Net" on 21.225 MHz. in association with the Gloucester County A.R.E.C. This net is in no way to interfere with any other net that may at present exist or any net that may be established in the future. The purpose of this net is to get holders of the Novice license interested in net operations and to give them some experience in operating with other stations with similar interests. This net will not be a traffic net nor will it be an active part of your Gloucester County A.R.E.C. programs. It is my hope that, after gaining some experience in net operations, our Novices will turn to our 10 meter or 6 meter nets when they upgrade their license to either the Technician or General grade.

NEW NET TO BE ACTIVATED (Cont.)

I will appoint John White, WA2MEM, an Assistant E.C. for 15 meters to help me get this venture off the ground. The net will meet each Monday evening at 8:30 P.M. local time, starting June 12th. Either John, WA2MEM, or myself, WA2SEA, will be net control station until such a time as a Novice gains enough experience to assume this important function. Crystals will hopefully be available for 21.225 MHz. at a nominal cost of \$1.50 each. It is my hope that some experienced Amateurs of the General class or higher will lend a hand in this new venture. Any questions relative to this new net should be directed to:

Harry McCormick, WA2SEA

LES BELLES

By Rose Ellen - WA2FGS

Okay all you gals, it is up to us to keep the food lined up for Field Day. The best way to make sure all operators will do their best is to have lots of food around to have during the 27-hour period of the contest. As a suggestion of what we all can do to be prepared, here's something you may like to try:

Would be helpful if some portable outdoor grills would be available...

OUTDOOR BARBECUED FRANKFURTERS

1/2 cup chopped onion	1 cup chili sauce
2 tablespoons butter or margarine	2 cups canned apple sauce
3 tablespoons vinegar	1 teaspoon salt
3 tablespoons brown sugar	1 pound frankfurters

Saute onion in butter until light brown. Add vinegar, brown sugar, chili sauce, apple cause and salt. Add frankfurters and simmer over hot coals about 20 minutes. Serve in split, toasted frankfurter rolls, with spoonfuls of sauce. Makes 8 servings. Amounts can be doubled up for Field Day use.

BAKED BEANS WITH DEVEILED HAM AND ONIONS

1 can plumped, chopped prunes (about 16)	2 cans (1 pound) pork & beans in tomato sauce
6 plumped prune halves--- for garnish	1 can (2-1/4 ounce) deveiled ham
3 tablespoons chopped onion	1/4 teaspoon dry mustard
1-1/2 tablespoons butter or margarine	1/2 cup tomato sauce
	1/4 cup brown sugar
	1/4 cup onion slices

Saute cut-up prunes and onions in butter or margarine in skillet over low heat until onions become transparent, about 5 minutes. Pour beans into medium-sized bowl. Add sauted prunes and onions, deveiled ham, mustard, tomato sauce and brown sugar. Stir well. Pour into 1-1/2 quart buttered

LES BELLES (Cont.)

casserole. Place onion rings on top of beans. Arrange prune halves, cut side down, on top. Bake in hot oven (400° F.) 40-45 minutes, until hot and bubbly. Makes 5 to 6 servings. Can be kept hot at Field Day site using your fondue or any type warmer you have.

OLD FASHIONED POTATO SALAD

6 cooked potatoes, cubed	1/4 cup minced onion
1/4 cup thinly sliced radishes	4 hard-cooked eggs, dived
1/2 cup diced celery	1 cup mayonnaise

Combine all ingredients and mix lightly. Chill well. Mound in a serving bowl on lettuce cups and garnish with hard-cooked eggs and tomato wedges. Makes 6 servings.

(Ed. Note: Field Day here we come--to heck with the key with chow like this

MORE CONGRATULATIONS

To Ev "Deck" Decker, who is now WN2FTR, and to Jim Buzby, WN2GJH, who also passed his Novice license. Expect to hear you guys both on the air in short order. Keep up the good work men!

NEW CLUB MEMBERS

A hearty welcome to Mike Guerard, WA2DDM, and to Earl Dudley (no call yet) who joined our happy clan at last month's meeting. Mike, a General class operator, hails from Highland Terrace, Pitman (more Pitman clutter on 80M, I guess, H1) and Earl lives all the way up in Camden. Glad to have you fellas join-up and wish you many years of hamming fun with GCARC.

CLUB PICNIC

Advance Notice: It's July 15th at Lake Garrison; \$1.50/family. Reserve that date NOW!! Get your tickets from John, WB2GKH, or Howard, WA2OVQ. More next month.

A NEW FIRST!

Ever hear of anybody getting the club 30 member and 50 member endorsement stickers for their 15 member certificate at one meeting? No, we never heard of this either; but Harry, WA2SEA, did it! Nice going Harry, and he becomes only the 5th member (is that right Della?) to ever win the 50 member gold emblem!

Not to be overlooked is John, WA2MEM, who was presented his 15 member certificate. John has a way to go before catching WA2SEA--but it's worth a shot! FB fellas!

4 - SALE

Comm - 3 w 5-xtals with manual. Also 8 element Hy Gain Beam and manual
All in excellent shape. Call K2JRU (Bob) in Richwood - 478-4292

HOLD THE PRESS!!

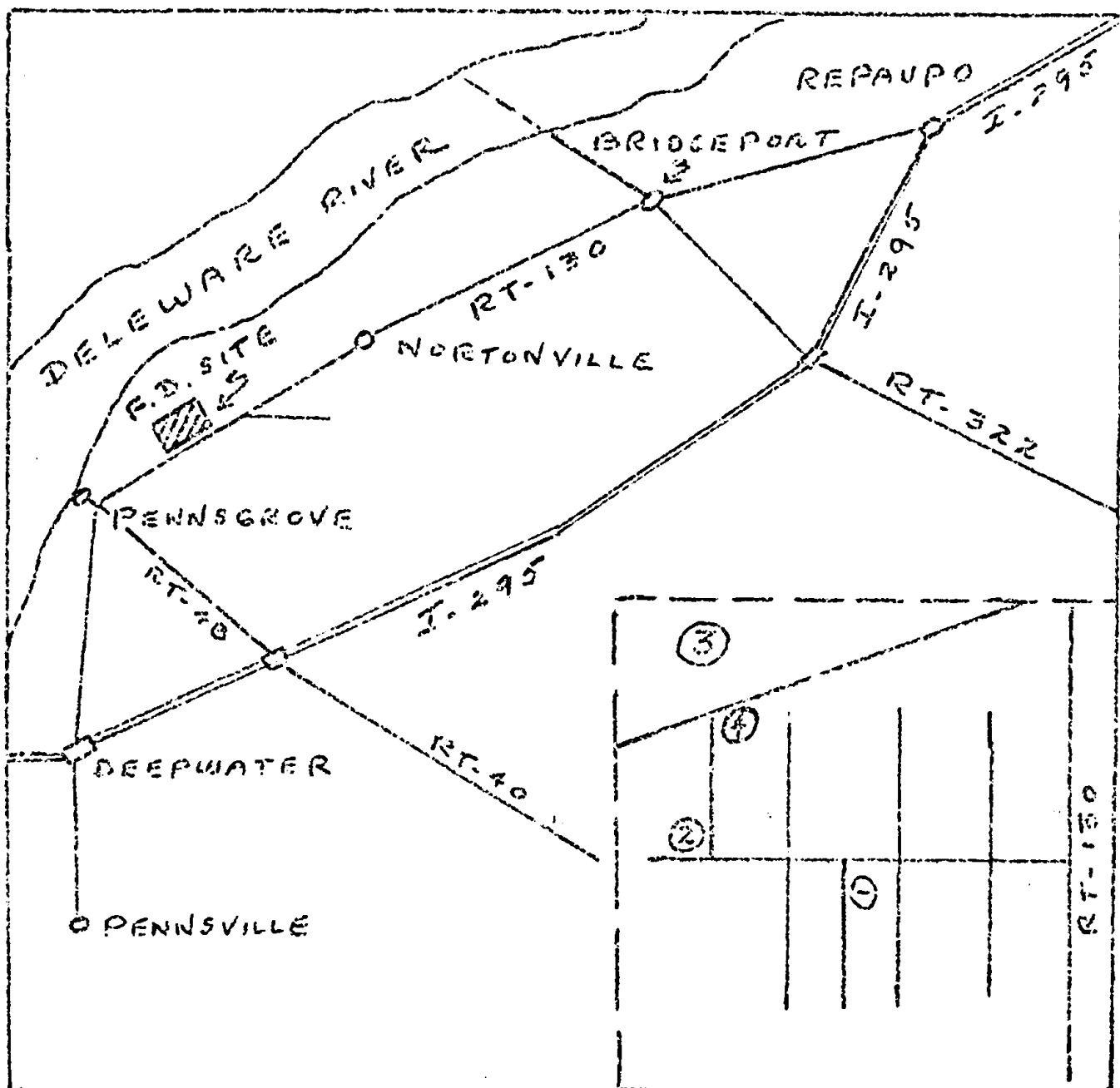
Just as X-TALK was about to meet the typist for this month--the following red hot item cam crashing through! Alas, the club is out more \$ this month for Rick, WN2OLS, and Gary, WN2OMY, have just passed their General exams! AND, last, but far from least, Tom, WB2AXI, has left his sick bed and passed his ADVANCED ticket!! Great news fellas (more ops for F.D.) and guess Rose Ellen's perseverance has already started to rub-off. Congratulations to all!

CHEAPSKATE LIST

OK you guys---we warned you---you've had plenty of time to get your QSL card up on the Club Board. So, here we go (all newest members are exempt this time). WB2BPX, WB2WAK, WA2FYP, WB2MSH, K2AQL, WA2WGB, WA2TDI, WA2IVZ, WA2FFZ, K2JJC, and HC2EP. Let's get busy and wipe your call off this list!! (Some of the above calls are shockingly familiar).

SCUTTLEBUTT

1. Many congratulations to W2CDZ and WA2FGS for having a FB son graduate 1st in his class (Physics major) at the University of Texas (no small school either). Bill and Rose Ellen must certainly be proud of Bob and for obviously good reason. On a more sober note, we are sorry to learn of the severe illness of Bill's mother and sincerely hope all works out for the best.
2. Understand WN2AXH recently purchased WA2MEM's cw rig. Will expect Bruce to be all practiced-up for F.D.
3. Recently heard that former club member Al Marcy, W4ID, who now lives in Florida, had a "pacer" recently installed in his heart. Al is doing quite well now and we hope the pacer doesn't operate on a ham band harmonic.
4. WA2NPD now sporting a new tennis court in the side yard which is just about ready for play. All tennis players in the club are welcome to use the court (or challenge Doug) anytime. All except WB2WAK whose home run balls would obviously put-out too many of the neighbors windows.
5. In addition to holding the honors of club contest champ, W2FBB has to also qualify as club chess champ (with WB2JZX a close second). Any challengers?
6. We will publish the yearly GCARC membership list in next month's (July) X-TALK. Those who fail to pay any 1972 dues will obviously be "canned" from the list. So (the 7 of you), better hop-to-it!
7. Understand Jim, W2LVW, is doing better. Sure wish his back would mend 100%. (Jim wishes this also).
8. Condolences are extended to WB2FJE on the recent loss of his father. Trust that Bill and Sue are feeling better at this writing.



Field Day site is in the Army Reserve Center located on Rt 130 approximately 3 miles north of Pennsgrove. It is surrounded by an iron fence and at the entrance are two (2) flashing amber lights which you cannot miss. Proceed thru the gate past the guard house, pass the chapel (1) on your left to a long two story white barracks. Turn right on a dirt/gravel road which runs alongside and deadends onto the open field at a ball field and small bleachers. The entire field from the bleachers, a small storage shack, and part of the two story barracks is ours to use. The Army will provide three (3) squad tents, one to be erected 50' nw of the helicopter pad windsock pole and two adjacent to the large tree at the north end of the field. The barracks can be used for sleeping and includes a latrine and washing facilities.

See you on June 24!

WA2MEM