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APRIL ISSUE 1969 GLOUCESTER COUNTY AMATEUR RADIO CLUB

The next meeting of the club will be held Wednesday, April 2, 1969 at 8:00 P.M. on the sky terrace of the Pitman Borough Hall. Your presence is requested and visitors are always welcome.

CROSSTALK STAFF

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WA2SEA,

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Advisory Committee
George Stuart, K2SOL

Program for this meeting will be handled by Bill Culpepper WB2NNB, using a very interesting film on "The Transmission of Color T.V.". Very few of us understand this technique and here is your chance to become acquainted with the know how.

Program for May meeting will be handled by Jack Layton, W3ESQ, a past president of the G.C.A.R.C. Jack is engineer at Radio Station WTEL in Philadelphia, and will give a talk with slides on the expansion of this broadcasting station. It took one year of work before the FCC would OK station.....A must for you.....

See this issue

Expose' of parts racket for CB'ers

List of more dropouts from the club

TVI

Electrocutions in hospitals.

Results of QSL contest.

THE PRESIDENT'S SMOKE SIGNALS

Spring has sprung and it looks like G.C.A.R.C. has sprung toward better things in '69.

The QSL contest was certainly a good sign that everyone wants to see the club spring forward and have a good year.

A hearty thanks from the prez to all the members who entered the contest to make it a success and also my congrats to the winners. There was certainly a lot of good displays and interesting QSL cards. The judges must have been in a dilemma when it came to choosing the prospective winners in each of the categories in the contest.

The field day chairman is Paul Callaghan, WB2WAK. Let's give him our full support in the upcoming event. I feel that WB2WAK will get the ball rolling and make it a real good time in June. He no doubt will be asking many members to help him make it a real success, so do not let him down when he asks you. Let us show him how much we are interested in field day and sock-it-to-him with support.

It is certainly heartwarming to see a crop of new members in the past few months and also to see some of the old members showing up to let us know that they are still active in ham radio and interested in the club.

Two new members of the club, who will be announced in April, were judges in the QSL contest. They must have thought a lot of Gloucester County Amateur Radio Club. They sent their monies in pretty rapidly in order to join the club as soon as possible. They do not live that close to the club QTH either. So I will keep it a secret until the meeting as to who they are, unless you can already guess as to whom it is.

That is all for now, gang.....

73's

WA2VEE

Through the courtesy of Harry Perry, here is a list of former members of the G.C.A.R.C. listed April 1, 1964. Add this list to the all ready list that you have and see if we can't get some of these old timers back.

Geo. Badger, WA2LSI,
Sam Boston,
Ken Bozarth, WB2ATQ,
Sid Bozarth, WB2ATR,
Cliff Brown, WA2KGD,
Don Curtis, K2UWC,
Jim Denham, WA2WUH,
Rev. Stan Kloskowski, WA2ECX,
Les Mathews, WB2DQV,
Glenn Morgan, WA2QHQ,

Roy Peterson, K2GHZ,
Ronald Pryzma, WA2TSF,
Frank Ritter, K2UUY,
Chas. Sketchley, K2PQD,
Richard Tolly, WA2TTA, RD,
Ronald Yanky, WA2WTA,

Of course some of these addresses may have changed, but the ones that are current we want to send them a copy of CROSSTALK and see what we are able to do about getting them back. So do your best.....

WB2QRU, Ralph is now in Wyoming. Look for him.

26 Members at our March meeting and 7 visitors..... Paul Birney, WA210Y, Blackwood Terrace, Harry Mayfield, WA2VXT, Mantua, N.J., Bill Bills, W2CDZ & XYL, Rose Bills, WA2FGS, Pennsville, N.J., Andy Roberts, W2UWI & XYL, Emily Roberts, Woodstown, N.J., Max Richmond, WA2SPY, Gibbstown, N.J.

* * * * *

Big Hamfest at Harrington, Delaware, on August 17, 1969.

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Preparations are now being formed for our Field Day program, contact Paul Callaghan, Wencolah, N.J. and see where you can help out.

The club is determined to make this a banner year, so we need all the help we can get. There is a job for you, no matter how small or timid you are.....

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T.V.I.

FCC form 762A contains a wealth of common-sense information designed to help the amateur to eliminate any possibility of TVI caused by harmonic or spurious radiations from his transmitter or antenna. The rules are simple and straight-forward and should be known to every amateur before he puts a transmitter on the air. Unfortunately, however, many amateurs who do know the facts do not understand them or practice the simple precautions needed. As a reminder to all of us, a few of the most important general rules are repeated below.

1. Completely shield your transmitter.
2. Install a well-shielded low-pass filter.
3. Reduce harmonic transfer between transmitter stages by loosely coupled, grounded link coupling.
4. Assure adequate capacitance in the final stage plate tank circuit to provide high "Q".
5. Filter and shield all exposed power leads between the power supply and the transmitter and between the power supply and the A.C. line.
6. Avoid using a directly excited voltage fed antenna.
7. Use a current fed single-band antenna that will not radiate harmonics readily at the operating frequency.
8. Replace your antenna feeders with coax (despite decreased efficiency) to reduce coupling with long near-by power lines. (House wiring which might run parallel to the feeders or be of critical lengths at harmonics of the transmitter frequency.)
9. Reduce standing

waves to a minimum on antenna feeder lines. Tuned antenna couplers are the best approach for multiband antennas. 10. Reorienting the transmitting antenna may result in moving a null in your radiation pattern toward the television antenna, thus reducing interference. This FCC bulletin also includes several tips on installation of stubs and various types of filters.....from "Ham Shack Gossip"...via Signal Report.

NOTE

In another part of this paper is a section which can be torn out and may be included with your dues for 1969 and sent to the treasurer. As they are long past due, you know that no club or organization can operate without funds, so it is your duty to see that YOUR dues are paid on time. Every year it becomes necessary to hound a few of you in order to get you to pay the dues that you know you owe...WHY?...Insofar as this is no collection agency, your cooperation is requested to fulfill your obligation to your club. If you do not wish to remain a member, please notify the treasurer so that your name can be removed from books. We don't want you to drop out, but we do want you to help us with the expenses.....

Understanding and Using Miniature Neon Lamps by Wm. Miller, 127 pp, Howard W. Sams & Co, 1969, \$2.95. Get this book as it has many uses for the Ham; e.g., oscillators, voltage regulators, R.F. indicators, and many more. Today the only way one keeps abreast with what is going on is to get the info from the horse's mouth.

KANGAROO MEMBERS

Someone has described spasmodic workers in a club as "kangaroo workers". With enthusiasm they accept positions of leadership, and for a time they work. Then, something upsets them, their committee differed in viewpoint; their members were inattentive; someone slighted them. Suddenly, their enthusiasm wanes. They forget the injunction, "BE YE STEADFAST, UNMOVABLE, ALWAYS ABOUNDING IN THE WORK OF THE CLUB."

STAG SHOW

A former television control technician for a Palm Springs, California, television station who pleaded guilty yesterday in Los Angeles to broadcasting a pornographic film was fined \$500.00. Robert Allen Veatch, 25, admitted violating the Federal Communications Act by transmitting a communication containing obscene meaning. Veatch said he ran the movie after the Palm Springs station had signed off the air, and thought that he was the only one watching. Apparently, he forgot that a line linking the station with a commercial cable system was still hooked up. So thousands of viewers, expecting to watch the late, late show, instead saw an uninhibited film of a nude man and woman...Phila., Bulletin, December 3, 1968.

The chance to make a fast buck is not only an incentive for many to help themselves, it also can encourage the sale of devices that are designed to violate the law.....

Many hams have enjoyed receiving radio parts catalogue from a large Milwaukee mail order supply house were surprised this year when they received two catalogues - one for ham radio equipment and one for CB equipment. Curiosity being what it is, probably every ham looked over the CB gear shown in the second catalogue. Having in mind the 5-watt limitation on input application to all CB equipment but the business band gear, we were not a little surprised to see linear amplifier after amplifier offered for sale! Here are a few Courier ML-100 (200 watts P.E.P.), Sonar BR-21 (150 watts input), Shoebox Linear (150 watts P.E.P), Skyhook II Linear (150 watts input), and finally Contex 500 linear (approx 500 watts P.E.P. input).

Along with the power input (or output) claims, are these little notations tucked into the specs, "Not legal for use on the Citizen bands in the U.S.", "Illegal for use on the II meter band", and finally this big plug "Put more PUNCH in your signals with a LINEAR AMPLIFIER. Never go barefoot again.....Get a shoebox or skyhook II linear amplifier that really Stomp OUT".....

From Auto Call, Feb., 1969

Ed. Note. What do you think of this? See what happens when F.C.C. Commission took hams out of the II meter band and gave it to the CB. Bet the F.C.C. wishes the Citizen's Band had never been born.....

1200 ELECTROCUTIONS IN HOSPITALS ANNUALLY

Electronic and electrical instrumentation in hospitals help to save thousands of lives daily, but a recent computer study by a major insurance company has revealed it also takes some 1200 lives each year in the U.S. through accidental electrocutions. The figures attributed to Dr. Carl W. Walter, a Boston surgeon, were reported at a recent meeting on reliability and medical instrumentation. The majority of the hospital patients killed were undergoing routine diagnostic test or treatment.

As reported in an issue of ELECTRONIC NEWS, the cause of the hospital accidental electrocutions appear to be growing in complexity as the instrumentation use increases.

A major problem is linking incompatible instruments simultaneously to a patient, creating an AC current loop that causes fibrillation - erratic heart beat. Poor circuit design contributes to dangerously high leakage current from some equipment on the market, and the problem is compounded by untrained hospital personnel who "wire" patients into a ground loop easily completed when a faucet or other equipment is touched.

Approval by Underwriters Laboratory is not a requirement for hospital instrumentation, the ELECTRONIC NEWS report noted. Companies are increasing safety by using isolation transformers, self-destruct fusing devices, and separate-ground three-wire power cables.

Vehicle Alarm system.....senses electrical current flow from the battery. Pulsates the horn and headlights of car as a warning signal if car is tampered with. Shuts off and resets after 3-5 minutes. Five connections to hook up unit. Complete with lock switch, wire, terminals, miscellaneous hardware, and instructions for the price of \$28.50 via ASTRO-DYNAMICS ELECTRONICS COMPANY.

Ed. Note - Pretty cheap insurance I'd say.

QSL CARD CONTEST WINNERS ANNOUNCED

Our recent QSL card contest (last month's meeting) seemed to be, from all reports, highly successful - at least for the winners at any rate. The winners were as follows:

	<u>Category One</u>	<u>Category Two</u>
Originality	WB2WAK	WB2PVI
Beauty	WB2SCK	W2YNR
Humor	W2CKX	W2AFZ
Rare DX - Tie between	WB2EUU and W2SUA	

Winners will receive what appear to be very nice Club certificates at the April 2 meeting. We wish to thank Rose and Bill Bills and Al and Emily Roberts for judging the contest. They had a particularly tough job due to the many excellent entries submitted by our members. The rare DX award was declared a draw. Ken and Woody had such excellent displays of really rare, unheard-of cards that the point system seemed to pale into insignificance, not to mention well up into the hundreds of points. These two guys are really to be congratulated upon acquiring such difficult, hard-to-get places. Many thanks to all who participated; all of the displays were outstanding and unfortunately, all could not be winners. Thanks also to WB2PVI for help with the arrangements and to WB2WKV who first conceived of the idea. Perhaps we could make this contest an annual (or bi-annual) event.

SCUTTLEBUTT

Our QSL card contest judges were so overwhelmed by our Club, etc, that they have decided to join our membership. Bill and Rose Ellen Bills each have their advanced tickets and were formerly very active in the now defunct Salem County ARC. So c'mon out on April 2 and help vote them into our club. Looks like Della, after 10 long years, may have some female company soon (Hi).

Our Ham Shack--Club-member Slide showing seemed especially great, a real bunch of Hams up there on the screen. My vote to the biggest Ham up there had to be W2SUA, cigar and all. The most bashful ham had to be Ron Blakeslee, WA2EOB, who had his picture taken and then secretly pulled it out of the stack just prior to showing. Seriously, Ron, I hope we located your slide by now are are sri abt the oversight. Those whom we didn't contact for a picture either have unlisted phone numbers, new phone numbers, or wouldn't answer their phone. Well, we hope to get you all next time around. Many thanks to candid photographers WB2PVI and K2SOL, both of whom did yeoman work to make this a real success.

Really great to see Harry Perry, WA2IAZ and former member Max Richmond, WA2SFY, out to our last meeting. Harry hasn't been well recently, but he sure looked OK to me; just climb up easy-like each month Harry!

WB2FJE about to get his new beam up the pole. Chances are it will be operating by the time this goes to press. Better luck this time around Bill; let's pray no tornados go up Grandview Avenue in Pitman.

Also good to see Chester McGear, WA2EDH, out at the March meeting. Chet even got together a QSL display at the last minute. Guess students do things at the last minute (exam cramming, etc) and are used to it.

W2YNR was seen sporting a real young good-looking red-headed girl friend at our last meeting. We promise not to say anything to Minerva, Paul's XYL.

WA2VEE took a recent weekend trip aboard a battleship off the Virginia coast. He tried to check into the 10 M AREC net on Friday night but, due to the long haul (groundwave) from Va to NJ, had no luck reaching our beams here in Gloucester County. (I found out later they wouldn't let him into the radio room as he was suffering from actue sea-sickness.)

Well, here we are - as promised! Our Eight Ball list. You can remove your call from this list simply by breaking down and getting your own personal QSL card up onto the club board. You have had over one year in which to come through. So, here are the Eight Ball qualifiers (and may this list shrink each month): W2USG, WB2BPX, WA2WQA, WB2WAK, K2JLY, WB2UPF, K2AQL, WA2WGB, WA2TDI, K2QGH, WA2IVZ, WA2SEA, W2LVW, WB2YLL, WA2EPB, WA2TZJ, and W2YNR.

Also, many congratulations to WB2SCK for amassing about 19,530 points during the recent DX contest. Guess more of us should participate in this each year and help Bob out a bit. All for now.

73's
WA2NPD

ITEM

A report from London, England, states that an integrated circuit on a slice of silicon has been manufactured that passes through the eye of a No. 5 needle. The chip contains 56 transistors, 28 diodes, and 52 resistors.

Senator Goldwater has introduced a resolution in Congress calling for amendment of the Communications Act to provide that aliens who intend to become citizens of the USA may apply for and receive, after examination, amateur operating authorization.

The number of active integrated-circuit elements used in consumers electronic products - television, radio, phonographs, tape recorders, etc - will exceed receiving tubes in 1971, and discrete semiconductors by 1975. That's the projection of Motorola Semiconductor Products. Motorola says 78% of all active components in consumers electronic products built this year will be discrete semiconductors, while 18% will be tubes and 4% will be IC's. Discrete semiconductors share will remain at 78% in 1970. Motorola forecasters think, but IC's will gather a 9% share at the expense of tubes which will decline to 13%. What's next?????

I'll give you a little sneak preview, but I am not going to tell you too much now....We have a terrific program lined up for the June meeting which will be held at the QTH of Bill Shaw. It is necessary for us to have the room and convenience of Bill to put on this program. This will be a first having never been put on at G.C.A.R.C. before. Nobody will want to miss this program. Let's start talking this up now as this program warrants a big turnout. I know that everyone is going to enjoy it for you are going to witness something that everyone has been talking about but few have had the privilege to see. DON'T FORGET JUNE.....

Years past I know that we had a great reaction to our model airplane radio control show that was put on during the club's picnics. I have heard so many comments about this most interesting hobby that it has given G.C.A.R.C. a lot of publicity. In fact, I think so much about it that I am going to ask the picnic committee chairman to see if we can't have a repeat on it at our next outing. Many of the persons who watched this show weren't even Hams, and I happen to know that quite a few persons migrated from Penna. to watch this show. This kind of publicity doesn't hurt us at all.

We have enough projects and committee work that there is a place for each and every one of you members to participate in. Our Prez wants everyone to take some part in club work. This is what makes a club interesting. Our club is really getting up steam and is rolling. Let's keep it going. I can say that there was a let-down this month in news for our paper. There are two members of my staff who so far have contributed nothing for their department. I would like to have each department make a report each month in a form of written statement for publication. I can't stress too strongly that this is your paper and if you want it to continue, you will have to give your support and don't expect the other fellow to do it all the time. I know that a few have a good excuse, but the others NIX.....

Tear this off

My name is _____, Call _____

Enclosed is \$_____ which is my dues for 1969.

Send this slip along with your money of course to William Frambes, WB2FJE,
Treasurer,

Promptness keeps the club sound.