

CROSSTALK IS THE OFFICIAL PUBLICATION OF THE  
GLOUCESTER COUNTY AMATEUR RADIO CLUB

THE CROSSTALK STAFF

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NET NEWS:	Jack White, WA2MEM
ARRL BULLETINS, ETC.:	Della Parker, W2AFZ
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CLUB NETS

6M AREC:	50.9-----Sundays-8:00 PM Local Time
10M Rag Chew:	28.3-----Fridays-9:30 PM Local Time
Novice AREC:	21.115---Mondays-8:30 PM Local Time
Friendship	7.265----3rd Sunday-1:00 PM Local Time

CLUBMEETING

FEBRUARY 6, 1974

AT THE CLUBROOM -

BE THERE !

WN2OSQ AND WB2FIF GO ON TRIAL

It was decided at the December Board of Directors meeting that Bill, WB2FIF, and Mark WN2OSQ, the two applicants for WA2NPD's ex-position would divide the time period of February '74 to January '75 in half, each taking full editorship for 6 months.

This decision (originated by FIF ) was to come in lieu of a vote on one applicant or the other because the Board was unable to find any outstanding qualification not shared by both, thus incapable of making a fair decision.

Hopefully, after Mark has completed his editing of the January '75 Crosstalk, the Board will be able to select fairly our permanent editor, based on the quality of the year's output...

DE WB2FIF

As editor of Crosstalk for the next 6 months, I would first like to say good-bye to our outgoing editor, Doug, and express my appreciation to him for the help he's given me as far as taking over his job is concerned. Also, I would like to take this opportunity to remind our members that anyone in our club may write for Crosstalk, (editorial, technical articles, etc.) at any time. This goes for all our members, younger and less younger, alike. If you have something to say, say it! Anything will be appreciated.

I can assure you that, as editor, I will keep an open mind when going over materials up for printing. This means that any material submitted, particularly of a controversial nature, will not be subject to any prejudice of my own concerning the topic of the material or the writer. Should anyone have any comments, criticisms, or suggestions, please let us know.

Very respectfully,

Bill Conrad WB2FIF

NEW LICENSE UPGRADING

Many congratulations are in store for Mark, WN2OSQ, Bud ex-WN2AIF, now WB2TKN, and Bob, WA2AIH, who have all recently upgraded their licenses.

Mark has made the major haul from Novice to General; Bud, after having let his Novice expire passed his Tch exam, and last but not least, Bob completed the requirements for his Extra ticket, in addition to passing his 2nd class radiotelephone license exam. Bob, who is 15 years old, has broken a club record as being the club's youngest Extra-class holder, but he does not plan to stop yet. He is planning to try for his First Class Radiotelephone license in the spring.

Much luck to all you guys with your new tickets.

Crosstalk February, 1974

3.

WANTED:

Anyone interested in joining the following club committees for 1974.

Publicity	Membership
Field Day	VHF
TVI & Tech Advisory	Picnic
Code Class	Contests

Interested persons please sign up with Jack, WA2MEM at the February meeting.

OR

-----detach here-----

I, \_\_\_\_\_ am interested in joining the \_\_\_\_\_ committee(s).

Mail to: Jack White, WA2MEM

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ALSO WANTED:

YOUR CASH! Get your five bucks into Jim, WB2OER soon or the club will go broke. See Jim at the next meeting or mail away this handy coupon.

-----detach here-----

I, \_\_\_\_\_ hereby surrender \$5.00 as my dues to the Gloucester County Amateur Radio Club for the year of 1974

Mail to: Jim Klupar, WB2OER

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W2CDZ REMAINS ON SICK LIST

Sorry to say it, but Bill, W2CDZ is still confined to the hospital. Anyone wishing to get in touch with Bill can do so by writing to this address

Wilmington General Hospital  
Room 4208  
Broom and Carpenter Sts.  
Wilmington, Delaware, 19804

We understand that Bill is undergoing chemo therapy treatments. Certainly any letters, cards, etc. will help Bill to cheer up and get well again. Hope you'll be out of there real soon, Bill.

Sometimes I sit down and try to write an article for this issue of CROSSTALK, and nothing is forthcoming. What will I do? Maybe if I sit here for awhile an idea will make itself known. How does one get an idea to write about?....Exposure, that's it. And when I say Exposure, I mean by becoming acquainted with the subject on hand. Many times ideas will present themselves just by listening to hams at a bull session.

I guess the day of going to the old junk box of parts, putting something together and coming out with a "gem" is past history. Even in the recent issues of QST, it's getting harder and harder to find evidence of this one time practice of HAM RADIO. If one will read the history of ham radio, starting in it's infancy prior to World War I, I am quite sure that the ham of today will have a better understanding of what I am trying to put put across.

I believe that one of the reasons why this is happening is the inability of purchasing parts. Not too many years ago, there were several outlists locally where one could purchase whatever parts he needed. Surplus stores furnished another supply, but these also seem to have dwindled. The fact remains that hams may now purchase kits that eliminate all of the thinking in completing the project. So, what do we have???...hams who are now mechanical assemblers, who do not have to use any imagination in completing their project. So time marches on, creating a new area which is destroying our new, young talent.

T'aint hard to get your ticket anymore. Every day one reads where tickets are being issued to children six, seven, and nine years old. OF course, I don't know weather or not this practice is going to give us a large supply of electronic engineers in the near future, but one thing is certain, the coming generation is certainly showing up some of the older kinfolk that they have to perk up or step aside while they pass you. I think that too many of us are taking for granted that electronics is for the older folks, and do not want to admit that a little child shall lead them.

At this point, I want to refer back to an article published in a back issue of CROSSTALK wherby it was suggested that a constructive project be instituted by the club, and the kit would be purchased by club members for a small fee. This idea will give the newer hams the know how first hand. This idea, I think, would do an awful lot of stimulation for intrest and securing new members. Let's see what can come out of this idea.

Have you met any new hams this summer during your vacation? Have you met any outside our immediate area? Usually, when one is on vacation and traveling to other parts of the country, he will sooner or later meet up with one or several hams. These persons may be found in some of the smallest towns or crossroads, and will be more than pleased to meet you and find out "what's new" in your area.

Do we have anyone in the club interested in MCOMBUNCUNCE? If there is, I have never heard anything mentioned about it. Almost every issue of QST carries some news about this project. Hey, maybe this would be a good idea for the float we intend on putting in the parade. At least it would be a "first" in this area.

How many members have noticed the laxity in receiving DX QSL's from the bureau? Each year it becomes later and later in receiving your cards. If you are waiting to get the address of the DX station you have worked before you can send him your card, you can see the inconvenience this causes. If you keep at the bureau a supply of postage necessary for the reception of your cards, I fail to see why it takes sometimes 5 or 6 months before you receive your cards.

You know, sitting here waiting for ideas to use in CROSSTALK hasn't been too bad or wasted time. Of course, everyone may not agree with these ideas, but at least it makes reading, and how in the heck would you know what I am thinking about unless you read this column. After all, the purpose of this paper is to get you to read it.

Each month I love to spend these minutes with you, and friends to friends, I'm sorry they're through.

73's es CUL...Ghost Writer...

Editor's note: Glad to hear someone really interested in our readers' interest.

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### WA2NPD TO INSTRUCT GENERAL LICENSE THEORY AND CODE

Washington Township Adult Evening School will be holding a class entitled "Amateur Radio (General)". The course is designed to qualify the student for her/his General exam (code and theory). The course will start on January 28 and run for ten consecutive Monday evenings, but registration will be accepted as late as February 4.

The price is \$16.00 and the instructor will be Doug, WA2NPD. So, if any of our few remaining Novices are trying to take that big step, or if any club members have non-club type Novice friends, it would be wise to inform them of this opportunity.

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### CORRECTION

Please refer to the article at bottom of page 3 in January 1974 CROSSTALK directed:

"To: all Amateur Radio Publications.

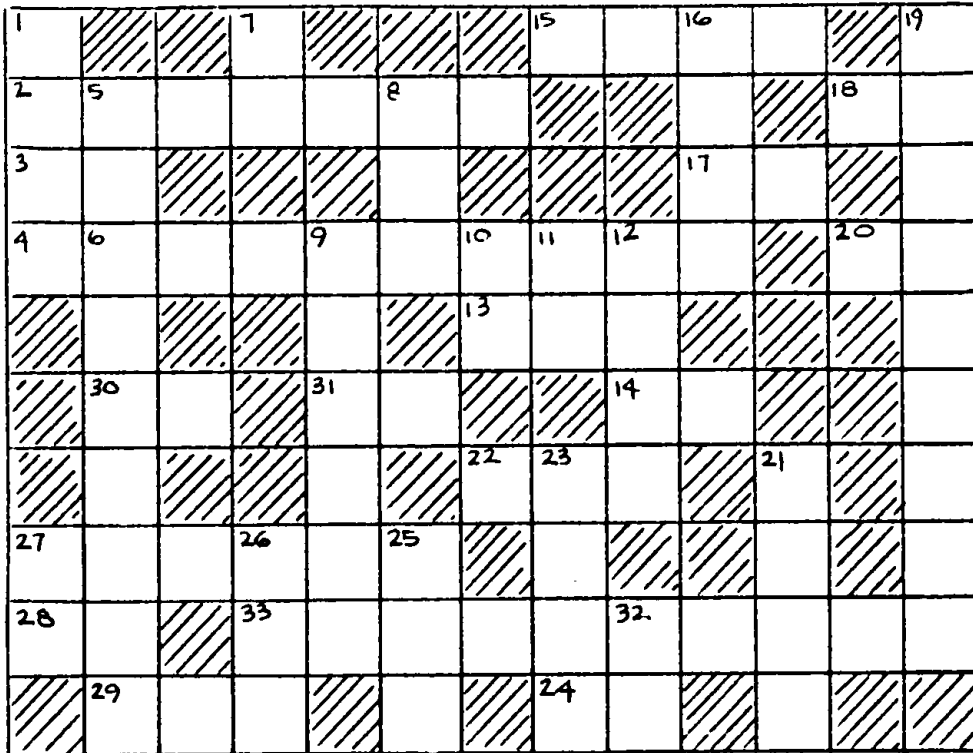
From: Andy Clark, W4IYT, Editor, Florida Skip, Inc.,  
Box 501, Miami Springs 66, Fla."

The article offered a certificate, on request to Anne Pitcher, K4RDX, FRD 2, Stuart, Fla., for your XYL. One of our members applied, and was advised that the request should be directed to: Florida Skip, Inc., P.O. B 501, Miami Springs, Fla. 33166. Also, the cost is \$1.00 or four (4) IRC's to cover printing, mailing and handling charges.

Please be guided accordingly.

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This ham-related crossword puzzle was contributed by Bob, WA2AIH. Many thanks for the effort, Bob. try it and see if you can dig that theory out of the ol' noggin.



DOWN

1. Type of parasitic antenna.
  5. A class C amplifier is \_\_\_\_\_
  7. Type of waveguide in which the E wave is parallel to the waveguide walls
  8. Type of computer circuit.
  9. The wire of an inductor is \_\_\_\_\_ around a cylindrical object.
  10. Type of mode.
  11. New Hampshire. (abbrev.)
  12. Concentric type of feedline.
  16. Opposite of a loop.
  19. A comparison of the time which a transmitter can be used to the time in which it idles.
  21. Control usually found on a hi-fi.
  23. What is often found on 75 meter phone.
  25. Abbrev. for what is equal to .707 times the peak AC voltage.
  26. Our hobby is \_\_\_\_\_ radio.
  27. Abbrev. for frequency range between 30 and 300 KHz.
  32. type of waveguides in which the M wave is parallel to the waveguide walls.
- ACROSS
2. What we use to radiate RF.

ACROSS (cont.)

3. To move.
4. What a coil introduces to a circuit.
13. What conductance is measured in.
14. Type of mode. (same as #10 down).
15. One of the pi-network controls.
17. Abbrev. for a logarithmic power ratio.
18. Call prefix for Yugoslavia.
20. Call prefix for Brazil.
22. CW abbrev. for thanks.
24. Type of capacitor usually used in VFOs. (abbrev.)
27. Type of wires used to measure wavelength.
28. Musical note.
29. Type of drive used on some turntables.
30. Abbrev. for the output of a mixer.
31. Abbrev. for a complex type of semiconductor.
33. Reciprocal of impedance.

Answers on last page.

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CB CRACKDOWN

FCC agents cracked down over the weekend on 65 Citizen Band radio stations they said were operating illegally in the Philadelphia area. The stations said to be operating in violation of FCC rules were located both in the city and in such locations as Hatboro and Levittown.

The probe was one of the largest ever undertaken on the east coast. It involved FCC engineers from Washington and agents from the local field office in Philadelphia. A number of the stations were found to be operating without licenses: such operations are subject to fines up to \$10,000 and a year in jail. Licensed stations operating in violation of regulations are subject to fines ranging from \$100 to \$500. Many CB stations were found to be using the radio for entertainment and for a hobby. Some operators were found to be using psuedo-names or code names such as King Rat, Zig-Zag, Early Bird and Snoopy. This was an apparent effort to avoid identification by the FCC.

The stations operating illegally were located by teams of FCC engineers working in the evening and early morning hours when many of the stations operate. The stations were tracked down by the use of special direction finding equipment. Further crackdowns will be instituted if the present level of disregard for regulations and abuse of the band continues. Such illegal activity causes interference with other forms of communication and limits the use of CB for other stations. Those that get official notices of violation must file a formal reply with the FCC: based on this they will be penalized.

CB operators merely pay a fee of \$20 to obtain a license. No test is needed. Amateur radio operators, known as hams, have to pass a test to obtain their license. Amateurs or hams constitute a hobby, whereas CB is primarily to be used as personal or business communications.

(from X-MITTER PENN. WIRELESS ASSN)

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DX

How would you react if the club president asked you to write a DX column? My thoughts bounced from "can I do it?" to "do they want it?" and then to "I like DX myself-maybe this is a good opportunity to promote the DX game." I quickly selected the latter and told Jack I would give it a try.

Through this column I hope to pass along some general information to aid the beginning DX operator as well as some hints the old timer can use. I won't print any great and wonderous secrets because they have all been told before, one place or another many times over. What I will do is review that material and throw in a few side remarks of my own. So here goes.

Anyone who thinks working DX is passe' should listen when a rare one opens up-you will find it hard to believe so many are monitoring the activities of a DX band.

This brings up an interesting point-that of personal pride in our signals. Since so many are listening to our operations it seems intelligent that we should be more aware of the quality and content of our transmissions. I assure you that those who have the poorest signals and questionable operating techniques are long remembered. It doesn't take very long to gain this type of recognition and it is surprising how long it sticks with you.

For those of you whose antennas withstood the recent ice storms, why not try the CX Contest? You might find a new country to help your total.

PHONE: FEB. 2--3, MARCH 2--3

CW: FEB. 16--17, MARCH 16-17. All times 0001 to 2359 GMT.

See December QST for rules, etc. PLEASE NOTE--Since all times noted in future columns will be given in GMT, an explanation of GMT will appear in the next issue of CROSSTALK.

de "Shorty"; W2SUA

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NEW MEMBER

GCARC voted Carmen Inverso, (no call yet) into the club at the January meeting. Carmen, who comes from Cherry Hill, recently passed his General requirements with no previous license! Nice going, Carmen, and welcome to the club!

Incidentally, if the club population continues to increase at its present rate, GCARC will soon be one-hundred strong!

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LES BELLES

After the big holiday rush we have all experienced we still want to keep thinking of something new to put on the table. How about trying the delicious cake listed below?



APPLE CAKE

Grease & flour Bundt pan-325<sup>o</sup> - 30 min. test, maybe 10-15  
min. longer.

3 eggs well beaten  
 (ADD-2 cups sugar ) beat 'till fluffy.  
 ( 1-1/2 cups Kraft Oil )  
 ADD-3 or 4 apples-peeled & chopped.  
 ADD-1 Cup coarse chopped walnuts.  
 Sift & add carefully to above-use wooden spoon.  
 3 cups flour. MIX WELL AND THEN ADD  
 1 tsp. soda. 2 TSP. VANILLA.  
 1 tsp. salt.

When any of you XYLS feel you are too busy I wish you would think about a gal who never seems to be busy--by that I refer to Mae Burke, W3CUL, who not only has held the top traffic (BPL) record for over 25 years but just to make sure she is not lacking for things to do she has been playing the piano at the Black Angus Restaurant in Sarasota, Florida. She is a member of the Professional musician's Union and when not on the air she is playing the piano organ.

Champagne at a party makes a married man see double, but feel single.

73's Rose Ellen  
WA2FGS

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SWAP SHCP

4 SALE: EICO 753 TRI-BAND TRANSCEIVER. Three most popular bands, 80, 40, and 20. Runs 200 W input on SSB and CW, 100 on AM. Very stable solid state VFO. Excellent condition with lifetime finals installed. With matching 751 power supply, all manuals, etc. \$125. See Bill, WB2FIF.

VIKING 11 TRANSMITTER 180 Watt input with external VFO. Perfect working condition. Live demonstration available. Complete with schematic and instruction book \$75. Contact Doug, WA2NPD.

WANTED: 8" SPEAKER OR LARGER needed by Doug, WA2NPD. Must be in working condition. Anyone who can help call Doug  
Doug

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CODE CLASS PROGRESSING

This year's code class is going very well indeed! We have four students who have passed the code test so far. Of the ones who have passed, three are trying for the Novice and one for the Technician.

Unfortunately, I understand that the FCC is bogged down at the present time (aren't they always?). The written exams will take at least a month to arrive here. We would like to congratulate these fine students on passing the code test and wish them the very best of luck, with the written exam.

If you aren't doing anything on Thursday nights, why don't you drop by the Pitman Middle School on Holly Avenue between 7:15 and 9:15 PM and help out with the class?

...Mark, WN2CSQ  
Code Class Instructor

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UPCOMING CONTESTS

Info. compiled from Ken, W2FBB, Contest Chairman.

As mentioned in this month's new "DX" column, the ARRL International DX Competition is starting this February 2 and 3. Why not try to get on and work a few even if only to help the club's standing in the results? The top-scoring (combined) club member will receive the W2SUA cup, anyone in the club who gets a combined total of 200 QSOs will receive a certificate from the club, and the top combined scoring member will receive a certificate from the ARRL.

Also, all of the Novices in the club should be informed of the upcoming Novice Roundup which runs from February 2 through 10. Any ham may enter, but only Novices will be eligible for prizes. The top club scorer will receive a club certificate. Remember, any class licensee may enter, so if you're not working the DX contest, maybe you could help out those Novices.

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FRIENDSHIP NET

Your President was absolutely bowled over by the tremendous turnout of our club members on Sunday, Jan. 13 for the West Side Radio Club/Gloucester County ARC Friendship Net. We had 16 (count 'em) with their beams, dipoles, etc. zeroed into Ontario: WB2OER, WB2GKH, WA2MFS, WB2FJE (mit loudenboomer and in the shack with Bill our new General, WA2CSQ, Mark who, it appears, must have had "mic fright".) WA2SEA, WA2AIH, K2HPV, W2AFZ, WA2NPD, WA2CMY, WB2BZY, W2GZE, W2PZX, W2PH and WA2MEM. On the Canadian side we had VE3AR, VE3BHZ, VE3EQF, VE3BRE (Shirley), VE2DR and VE3GFR. In addition VE3BFX/W3 checked in from the Washington, D.C. area as did W3MFM from Washington, Pa. who wanted a signal report from Bill, VE3AR. A local ham friend, K2SQM, Frank from Glendora also fired-up his rig and let it be known that he was around.

Jim, W2GZE's signal was very weak due to some problems with his antenna and ice. (what else?). Signals were quite good both ways but the QRM in the Toronto area was a problem at times. Any of our WSRC friends who haven't received or qualified for GCARC's certificate for working 10 club members really hit the jackpot! It was, and I believe all who participated will agree, a most enjoyable get-together.

The Friendship Net, now in its 3rd year, is as far as I know the only one of its kind-that is-of two clubs in different countries meeting regularly to promote international goodwill and common Amateur radio goals and interests. The Friendship Net cannot but help make both clubs better ones through the exchange of friendship, mutual desires in the advancement of Amateur radio, and ideas exchanged that benefit both clubs and their respective members-cross fertilization if you will.

The next GCARC/WSRC net is tentatively scheduled for Sunday, April 14 at 1300 Z (2 PM here and 1 PM up there) on or around 7.265 KHz. We'll confirm well in advance! Again, a real fine showing, gang.

de WA2MEM

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ANSWERS TO HAM PUZZLE

1	Y	/	/	7	T	/	/	15	T	U	16	N	E	/	19	D		
2	A	5	N	T	E	N	8	A	/	/	O	/	18	Y	U			
3	G	O	/	/	/	O	/	/	/	17	D	B	/	T				
4	I	6	N	D	U	9	C	T	10	A	11	N	12	C	E	20	P	Y
/	L	/	/	O	/	13	M	H	O	/	/	/	C					
/	30	I	F	/	31	I	C	/	/	14	A	M	/	/	Y			
/	N	/	/	L	/	22	T	23	N	X	21	T	/	C				
27	L	E	C	26	H	25	R	E	*	/	/	O	/	L				
28	F	A	/	33	A	D	M	I	T	32	T	A	N	C	E			
/	29	R	I	M	/	S	/	24	S	M	/	E	/	/				

\* Editor's note: This "E" might also be a "U".