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Editor: Doug Gehring, WA2NPD,  
 DX Diary: Jack White, WA2MEM  
 YL Page (Les Belles): Rose Ellen Bills, WA2FGS  
 Ghost Writer: (Call lost in QRN)  
 Ham Interview: Harry McCormick, WA2SEA  
 Roving Reporter: John Stull, WB2JZX  
 Contest Corner: Ken Newman, W2FBF  
 ARRL Bulletins, etc.: Della Parker, W2AFZ  
 Typesetter: Sue (Mrs. WB2FJE) Frambes  
 Printer: Bill Frambes, WB2FJE  
 Circulation: Bill Shaw, WB2PVI

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CLUB NETS

6M AREC	- 50.9	MC	Sundays	- 8:00 P.M.	Local Time
10M AREC	- 28.8	MC	Fridays	- 9:30 P.M.	Local Time
Novice	- 21.225	MC	Saturdays	- 8:30 P.M.	Local Time
Novice AREC	- 21.225	MC	Mondays	- 8:30 P.M.	Local Time
Friendship	- 7.265	MC	3rd Sunday	- 12:30 P.M.	Local Time

CLUB MEETING AUG. 2, 8:00 P.M. IN CLUBROOM

AUG. 2nd CLUB MEETING TO FEATURE GCARC!!

Yas!, Yas!, you read the title correctly; according to Program Chairman John, WA2PVH, the August meeting will feature a slide show of the GCARC membership in action at the FD site, 1972!! If past experience is any cause to sum-up the future, this should be a fun-filled evening. WA2PVH has acquired a reputation second-to-none for camera work par-excellence. Enjoy one of WB2GKH's hand-selected krumpits in the comfort of the air conditioned halls (open window and fresh breeze will "condition" air) of the GCARC villa high atop the penthouse and sit back and relish the show! See you all there on the 2nd!

CLUB PICNIC USUAL SUCCESS

The wx at Lake Garrison this year was perhaps the greatest ever and added much pleasure to our usual FB fun and fellowship. We had about 48 members, xyl's, harmonics, and guests enjoying the swimming, boating, chow, etc. WB2GKH and WA2OVQ came through with their usual FB handling of the necessary arrangements and W2LVW again enthralled several of our younger harmonics with rides in his sailboat (many tnx Jim). The featured event was again the thrilling breast-stroke race across the pond between W2CKX and WB2WAK with Tad gradually pulling away to win by a half-of-cup (understand W2PH, WA2MEM, and W2CDZ want to enter this event next year). The kids all "choked" on a plethora of peanuts, WB2JZX remained sober, and WA2VEE was saved from drowning by his little girls (his water wings collapsed). Finally, your editor wishes to sincerely thank Mrs. WN2GJH and Mrs. WB2WAK for providing much-appreciated nourishment to himself and his brood for, in the absence of Mrs. WA2NPD, we wuz starved!!

CORRECTION PLEASE

Please correct your membership list by placing a one in front of the seventeen in Vic Dudley's address. Inadvertently, Vic's address was incorrectly listed. If there are any other errors, please advise us. Thanks.

N. J. QSO PARTY

Contest Chairman W2FBF announces that the club will participate in the N. J. QSO Party coming up around the end of August. Logs will be available at the August club meeting. A prize (winner's choice) will be awarded the top club scorer and handsome club certificates will be awarded to all scoring 100 or more QSO's. So crank-up your rigs and be ready for this one gang!

ANOTHER REMINDER

Renew your ARRL Membership by mailing (or giving) your ARRL dues to GCARC Treasurer Paul, WB2WAK. It's just as easy to mail it to him as it is to mail it to Newington. And BESIDES, we (the Club) get a 50¢ cut (63 members x \$.50 = \$31.50). Assume we are all ARRL members--aren't we? No!, hy not?

### CLUB QSL CARDS

The new plates are being fabricated, and we plan to order about 5,000 cards for a start. Tnx to Howard, WA2OVQ, and his "in" with a printer friend (his brother-in-law), we expect to do as well as can be done anywhere both in quality and cost. The cards should be ready by the September club meeting, and the price/hundred will be announced later on.

### GCARC CODE AND THEORY CLASS

This year we inaugurate a new wrinkle, or tactic to our annual Novice Code and Theory Class. We are signing-on to the regular Glassboro High School Adult Evening School Course roster for the 1st semester, starting about the 3rd week in September. The only cost/student will be \$3.00 (to cover cost of license, code, and How-To-Become An Amateur manuals) and our course will be integrated right in with the regular curriculum. We understand, however, that the school does charge a registration fee of \$2.00. The course will be given each Thursday night for 2½ hours and for 15 weeks. All diligent students should finish-up by acquiring their Novice ticket. Instructors are still needed. Thus far, W2FBF, WB2JZX, WB2WKV, WB2FJE, WA2VEE, and WA2NPD have volunteered. WA2NPD is coordinating the instruction; so see Doug if you can help out. Also, the club is indebted to Bill, WA2VEE, for pulling-the-strings to get us this berth and for making all necessary arrangements and contacts. Very FB effort here Bill--a successful class should go a long ways towards enhancing the GCARC image and the reputation of the Ham.

### CLUB PLANS TO ENTER PARADE

The annual fall Festival Parade in Woodbury (about 3rd week of October) this year will feature a new float--that of the GCARC! Ur Board has recommended establishing a contest among the club members as follows: At the August 2nd meeting, the dimensions of the truck or trailer to be used for the float will be announced. Then, at the September 6th club meeting, everyone is urged to submit a design (drawing, sketch, etc.) of your conception of the GCARC float. The club members present will then vote to select the winner (similar to the recent QSL card contest vote) and then a committee--together with all club members' help--will proceed to put the thing together. The winning plan will result in the 1973 dues being all paid up for the lucky designer!! (Not a bad prize). So, you artists, architects, etc., get your pens ready! More details later. (Ed. Note: let's go get WB2JZX this time gang--we don't want him to have his dues paid-up too far in advance).

### CONGRATULATIONS

To John (our prexy), WB2JZX, for having his famous "Ten Goals of Every Amateur" reprinted in a recent issue of the ARNS Bulletin. Nice going, John.

X DIARY

From WA2FGS; worked ZS2MI on 20 M ssb and W2CDZ worked C31FK (whereszat?) at 1230 gmt, 15 M ssb (7/1/72). Also WA2NPD received QSL from TY7ABM. And heard that new General WA2OLS worked Algeria and Saudu Arabia on his very 1st crack at DX. Pretty good start, Rick. Although not strictly categorized as DX, WA2BMC, who has #19 for the USA-CA County Hunters Award after 1/21/70, is now doing it all over again, with different calls (wow!). She is now up to 2497 confirmed as of 7/72.

OFFICIAL BULLETIN NR 378

The Director General of the Posts and Telegraphs Department of Vietnam has notified the ITU that they have no objections to communications between XV5AC and amateur stations outside the Republic--AR

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LES BELLES

by Rose Ellen-WA2FGS

Most of you are tired of listening to your OM rag chew while on the air. Did you ever stop to think it may be more interesting if you were listening to a bunch of gals yacking over the air? Some of the day time nets may prove interesting to you and some morning ask the OM to tune in the receiver to any of the following YL NETS: Try it - you'll like it---

Mondays:

<u>GMT</u>	<u>FREQ.</u>	<u>NAME OF NET</u>	<u>NET MGR.</u>
1200	3950	Buckeye Belles (thats Ohio)	WA8EKQ-Beulah
1700	7260	Loaded Clothesline (all states)	K5ECP-Helen
1900	3905	Alaskan Lassies	KL7FJW-Betty

Tuesdays:

1400	3933	Floridoras	K4RNS-Marge
1700	7235	Ironing Board	WA6UBU-Esther
1900	21,360	Snowflake Net	KL7's

Wednesdays:

1330	3910	Yankee Lassies	varies-from Wrone Club
1330	3770	Maritime Sparkettes	YE1YL-club call
1900	14,288	YL Open House	WA5JFZ-Jane

Thursdays:

1300	3940	TYLRUN (The YL Round UP)	WA5TYH-Daisy
1400	3950	TASYL (The Auto State YLs)	WA8ARJ-Bobby
1800	14,295	Tangle Net - cross country	KØEPE-Marte

Fridays:

1400	7270	Mid-West Yls	varies
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LES BELLES (Cont.)

Saturdays:

<u>GMT</u>	<u>FREQ.</u>	<u>NAME OF NET</u>	<u>NET MGR.</u>
1400	3910	Hawk Roost	K91LK-Fran
1700	14,140	TOTs (Ontario Trilliams)	varies

Daily:

1600	14,332	YL1SSB YL-International Net	varies
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33's

Rose Ellen

(Ed. Note: Think they would let us get a word in edge-ways?)

\* \* \* \*

Then there was the CB'er who thought that:

- (a) A harmonic filter was like a piano dust cover.
- (b) A feed line was the guys waiting for chow-at Fort Dix.
- (c) A matchbox was for lighting candles when the fuse blew.
- (d) A supressor choke was similar to a full nelson.
- (e) A swinging choke was not quite a full nelson from behind and slightly above.
- (f) Antenna couplers were the ropes holding either end of the antenna (dipole) to the two trees.
- (g) Receiver overload required a very strong table to hold it on.
- (h) A high-speed bug was something like a yellow jacket but only much faster.
- (i) A pentode was like a frog with 5 legs.
- (j) A rectifier was a device used by Doctors.

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TVI

Due to certain events that have occurred lately to some club members, it seems appropriate at this time to offer a few comments and suggestions concerning the time worn subject of TVI. This article is "geared" towards the interference encountered when using an 80 thru 10 meter transmitter.

Before even starting on the subject of who's to blame for the TVI, it must be assumed that the amateur's station is installed properly. All equipment (swr bridge, rf filter, pre-amplifier, etc.) should be bonded, using copper strap or braid, to a common ground point such as a ground rod or preferably a cold water pipe. All grounding points should be clean so as to assure good contact. A good quality low pass rf filter should be

VI (Cont.)

installed in the transmission line to guard against harmonic radiation. If either a beam or dipole antenna (which are balanced fed antennas) are used, a balun coil should be installed at the antenna feed point to minimize feed line radiation. All antenna connections must be clean and tight.

From personal experience, I have found that if you are running a kw within 50 feet of a TV antenna, you will overload the front end of the TV set severely and about the only thing you can do is to reduce power. Front end overload is a common problem, and the closer the transmitting antenna to the TV antenna the worse it will be. So try to install your antenna as far away from a TV antenna as possible.

The amateur should have his own TV set free of interference; however, there are situations where the amateur will tolerate TVI to his own set because of space limitations to his own antenna locations. In these cases he will have to deal solely with the person who files the TVI complaint, for his own set is useless for proving his innocence.

Upon receiving a TVI complaint, be sure that you are the one causing the interference by checking the date and time the interference occurred against your log. Once you are satisfied that the interference happened while you were on the air, take the necessary steps to correct the trouble. Ask the neighbor what type of antenna he has on his TV. The FCC doesn't think too much of rabbit-ear antennas as they are the least efficient of the TV antennas and are most susceptible to TVI. For example, after receiving a complaint from my neighbor who was using a portable TV set, I bought a portable and checked it out in my shack using the rabbit ear antenna. I keyed my transmitter, using a kw, and the picture TV tore-up completely. Then I connected my outdoor antenna, which is 75 feet from my beam, pointed the beam towards the TV antenna, and keyed the transmitter again. This time there was no interference! Also, no filters were on the TV set. I called the FCC to check the situation and was informed they don't consider rabbit ears to be a good antenna; and they will so inform the complaining neighbor also!

When you know your station is at fault, you have to determine if your transmitter is the problem or if the interference is due to lack of RF shielding at the TV set. This can be easily accomplished by contacting another amateur who is willing to bring his transmitter to your shack and make an on-the-air check to see if the interference persists. If it does persist then the fault probably is with the TV set. If the trouble disappears, then you had better clean-up your transmitter!

If the TV set is at fault, check the TV antenna to see that both leads of the twin lead are connected. Next install high pass filters on the twin lead(s) at the set. Some TV sets use one twin lead and some use two, depending on their antenna system. In either case, a filter is required for each twin lead entering the set. Be sure to ground the filter case to the TV chassis. Check for TV interference. If it still persists and the TV set is NOT of the AC/DC variety, run a lead from the chassis to a good ground.

## TVI (Cont.)

If the set is AC/DC, a ground can still be used if a .01 uf disc capacitor is inserted between the ground and chassis. If there is still trouble, an rf line filter for the TV set's AC line should be tried, also being sure to ground the case of this filter. In all cases it is imperative that good quality filters be used!

If the interference still persists at this point, another alternative is to remove the TV chassis and install screening around the inside of the TV cabinet grounding it to the previously installed ground. Aluminum foil can be used, but be sure that the connection between the ground wire and the foil is tight and that the foil does not cover any ventilation holes.

The above procedures should cure the interference; but if not, the best thing to do is reduce power, use another band, or observe quiet hours in order to keep the peace. Remember the best proof of a clean station is your own clean TV set!

A word of caution regarding working on the neighbor's TV set. **DON'T DO IT!** Work with a neutral party such as the local TV service man or an FCC sanctioned TVI committee from a local Ham Radio Club. If the trouble is in the TV, it is up to the owner to get it repaired and pay for any necessary parts. By working with the neighbor's TV man, you may clear yourself of any liability towards the neighbor's TV set. Here's hoping you're successful in cleaning up your TVI problems.

de WB2JZX

(Ed. Note. A very informative narrative, John)

## GOOD NEWS DEPARTMENT

Our club set a new low record this past year! We only lost 4 members (for one reason or another) from our 1971 membership list! Our membership, which now stands at 63, is the highest since about 1964. (Guess we must be doing something right). Normal attrition is about 8--or double that of this year.

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## RAMBLINGS OF A GHOST WRITER

It doesn't matter who you are,  
Or what you have or do.  
If you give your very best  
The best returns to you.  
A law of compensation works,  
We get just what we earn,  
If we love others with our hearts,  
We get love in return.  
The little things we sometimes do,  
For others day by day,  
Return quite unexpectedly  
In some peculiar way.

(Continued next page)

GHOST WRITER (Cont.)

Let us pause and pay tribute to the members of our club who day in and day out give so willingly of their talents and time in order that the rest of our members may have a radio club in which interest is the prime factor along with the techniques of electronics.

In order to achieve these factors, personnel who have the ability to lead and the desire to help others are the main cogs that make the big wheel turn. Of course, one or two cannot do it all; therefore, don't you feel that you owe it to them to help whenever it is needed? How many times have I heard, "IF I ONLY KNEW WHAT THEY WANTED, I WOULD BE WILLING TO HELP OUT," or, "I'LL VOLUNTEER FOR THE JOB, AND THEN IF ANYTHING ELSE COMES UP, I JUST WON'T GO THROUGH WITH IT." You know, there are people who do this thing time and time again and never fulfill their promises. Let's get back to the fellows whose efforts are enabling our club to get. The president has the responsibility of coordinating the business of the club, along with the assignment of problems to the respective officers. Through his initiative and experience, he is expected to keep the club moving ahead and see to it that the meetings are conducted properly. The vice president fills in when the president is absent PLUS it is his responsibility to see that the club has interesting programs for our meetings. You all know that the treasurer's job is to see that the club remains solvent financially (and of course he is the one who bugs you when you forget your dues); and then also he has to pay the bills when they are presented. The secretary is supposed to be the writer on the officer's staff and must keep the minutes accurately and up to date. Any correspondence is handled through this office by the number 2 person who happens to be the corresponding secretary. No question about it, this office is the liaison between the club and ARRL.

There are many jobs being done by various members, and if I started to enumerate I would have several pages for CROSSTALK. This club paper, I think, is the backbone of our club and the worth of it can't be put into words. I am quite sure that it is eagerly awaited each month by the club members. So to all of you hard working club members, we say thanks. We aren't just going to say thanks, but we are honestly going to get behind you and see if we as individuals can't contribute our share.

BE A G.C.A.R.C. BOOSTER\*\*\*\*WE NEED YOU\*\*\*\*

I see where the rest of the ghosts are starting to check in with their reports for me, so that I will have something to write about in the next issue.....

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

\*COMING NEXT MONTH\*

Scuttlebutt will return together with a FB article on the electronic wristwatch. X-TALK wishes all a happy vacation month of August.

73's

FOR SALE

\* \* \* \*

HQ 170 plus National HR050. GOOD WORKING CONDITION.

CALL GARY HITCHNER