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CLUB NETS

6M AREC - 50.9 MC  
 10M AREC - 28.8 MC  
 Novice - 21.225 MC  
 Novice AREC - 21.225 MC  
 Friendship - 7.265 MC

Sundays - 8.00 P.M. Local Time  
 Fridays - 9.30 P.M. Local Time  
 Saturdays - 8.30 P.M. Local Time  
 Mondays - 8.30 P.M. Local Time  
 3rd Sunday - 12.30 P.M. Local Time

CLUB MEETING, WED., SEPT. 6th, 8:00 P.M. IN CLUBROOM

PREZ COMMENTS

September is upon us, signaling the end of summer and the start of two of the most ambitious projects ever to be tackled by GCARC members. First of all will be the building of a float for the Woodbury Fall Festival Parade. The design will be selected at this month's meeting and work will begin immediately on its construction at my garage in sunny Clarksboro. We'll need a lot of hands and good ideas to get everything in readiness by the October 7 parade date. It will be a great opportunity for club members to get together to work on a worthwhile project that will garner GCARC some excellent publicity. The second project is the night school course in Amateur Radio, conducted by GCARC at Glassboro High School. The object of the course is to provide sufficient instruction so that students, with a little effort on their part, will be able to pass the Novice test upon completion of the course. WA2NPD will co-ordinate the project, drawing on his previous experience with code and theory classes, etc., etc., by making up the course outline and assigning the volunteer instructors. At present we have about nine members who have offered their services as instructors. We still could use a few more members to help out. So step forward and lend a hand by contacting Doug or myself. If you are hesitant about actually teaching, how about just coming to a class and see how its done. Once you see the "crack" GCARC teaching staff in operation, you'll get a better idea of what's involved and will be ready to offer your services next year. There it is! Plenty of activity and opportunity for everyone to contribute some of his or hers talent! Let's all pitch in and boost GCARC!

de WB2JZX

CONGRATULATIONS

It's official. Ken, W2FBF, is the 1st GCARC member to receive his 5 B WAS award. What an accomplishment! Anybody else?

BON VOYAGE GARY

Gary Hitchner, WA2OMY, leaves Sept. 1st for a year's stay in England with his family. We will miss Gary who has been one of the most dedicated members of our club's "younger set." Understand he has made arrangements to have X-TALK shipped abroad and hopes to soon be on the air in "G" land. So, perhaps we will be working him every weekend until he returns. Best of luck, Gary, and see you in September, 1973.

NEW CLUB QSL CARDS READY

Wow! The new good looking Club QSL cards ARE READY (tnx to WA2OVQ) and will be on sale starting at the September 6th club meeting. ONLY \$1.72 per hundred!! You can't beat this price. Better hurry and get some of them before they run out! See WB2WAK or WA2OVQ to get yours!

LES BELLES - by Rose Ellen-WA2FGS

Darleen Souligny, WA2FSC, has started a trend for y1-DXexpeditions by going to Gallapagos Islands (and various other places) and took her own rig along. While in Guayaquil, Equador, Earl Lubensky, HC2LB, Consul General of the U. S. in Guayaquil and his XYL Anita, gave a dinner in her honor at their home. One of the guests present was Joe Magan, HC2OM (friend of my family for years, hi!). They say it was love at first sight and since that meeting they kept in daily contact via Amateur Radio from the various QTHs visited all the way from Bogata, Columbia, Panama City, Panama, San Jose, Costa Rica, Honduras, Guatemala City, Mexico City, and finally back in Fresno and Sacramento, California her home base and maintained frequent exchange of correspondence.

During this DXexpedition I contacted Joe and he mentioned his proposed marriage and plans to go to California. Their marriage took place in Nevada and the honeymoon trip was a motor tour of the U. S. including the Indy 500 Race and all the sights along the way ending up in Florida to meet Joe's mother and a final plane flight back to Equador. Joe manages a business which manufactures phonograph records, tapes, cartridges and cassettes and helped found the firm over 26 years ago--being originally from New Jersey and having the call of W2BTT.

Anyone who has not confirmed QSO/QSLs from this DXexpedition may do so by sending your cards to the manager VE6AKV. Darleen can be found daily on 15 meters from 2000z on because all she has to do is sit and ham it up, making phone patches to her friends in the states and just have a ball re-decorating their split level home. Good luck to you both, Darleen and Joe.

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Frances Adlerblum, W2BBW, of Yonkers, New York is a busy xyl who works along with the OM, W2QAL, looking after their retail furrier business which has been a long time family trade. They put in a 6 day week and have done so their entire 36 years of marriage. Fran has been a member of YLRL for 20 years and also belongs to the YL of New York City. Most of her operating time is on bad snowy days or rain when she stays home and tunes up her Collins S Line (barefoot) - tower/6 element beam on top of their apartment roof. Fran is the only xyl in the Yonkers ARC. She is presently studying for her Advanced Class. When time permits she loves to cook, especially baking and also loves to knit and embroider.

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CUT FLOWERS: - To make roses last longer---add two tablespoons of salt to each quart of water - a tip from my local florist.

73's

Rose Ellen

### FRIENDSHIP NET TO BEGIN

Put a big circle on your calendar for Sunday, September 17th! It's the first Fall 1972 get-together on the Friendship Net between GCARC and the West Side Radio Club of Toronto. The time is 1 P.M. (local) on 7265 khz + or - 5 khz for qrm. Incidentally, the West Side Radio Club will be celebrating their 35th anniversary and a big turnout for the Friendship Net would be a most eloquent way for GCARC to extend its congratulations to this fine group of Canadian ham friends!

On October 12th, I expect to attend WSRC's official 35th anniversary meeting and it would be an honor to have GCARC appoint me special emissary to convey our congratulations. One idea that our membership could consider (also looking for others) would be to put our new GCARC club qsl card in a 8 x 10 frame labeled QSL NUMBER I followed by suitable words and listing the call signs of the entire club and signed by our club president. Any other ideas?

Anyway, let's really have a big turnout on 7265 at 1 P.M. on Sunday, September 17th. How about inviting all our novices and techs to our shacks and get on the mike/s with us?

Jack, WA2MEM

### NOVICE NET START-UP!

Start-up date: September 18th (let's all join in this time guys). Check with N/C WA2SEA for more details and for a 15 M xtal.

### AREC NETS TO USE W2MMD/2

This year all 3 AREC nets (Novice, 6, & 10 M) will use W2MMD/2 as C/S for the N/C station on start-up night. The dates will be September 15th for the 10 M net and September 17th for 6 M. N/C stations for those nights will be announced. A good turn-out will help get these nets off to a bang-up start this year. (Skeds in front cover of X-TALK).

### CLUB FLOAT FOR OCT. 7th PARADE

As announced last month, you can get all of your next year's dues paid-up by submitting the winning design for the GCARC Float! The float will be drawn behind a jeep on a flat bed trailer which is 7½ x 16' and 3' off the ground. So put your drawing, sketch, etc. on 8½ x 11" paper or cardboard, make it look pretty, and submit it to WA2SEA at the September 6th meeting. Judging will be done (as per the QSL cards) by the members present. Good luck to the winner and too bad to the losers.

### SJRA HAMFEST

September 10th at Mollia's Farm. Swap shop, etc. \$2.00 now; \$3.00 at gate (need ticket for prizes). GCARC members wear your jackets!!

INTERESTED IN AN ELECTRONIC WRIST WATCH?

The mechanical watch movement has been a reliable performer for years but is on its way out--the solid-state electronic watch is now a reality--at competitive prices. Virtually every watchmaker is evaluating electronic timepieces and some models are already on the market. The latest thing in electronic watches is the digital readout using a liquid crystal display.

Except for the display and a 15 volt power converter, the main components remain essentially the same as those in previous electronic watches--an oscillator, an MOS IC divider circuit containing about 400 transistors, a single 1.5 V battery, and an MOS counter/decoder-driver circuit with about 900 transistors.

With the liquid crystal display to indicate seconds count, the colon flashes at a 1-hertz rate, although on some models the entire display blinks off the seconds. The power converter provides 15 V for the display and has a nominal power dissipation of 15 microwatts.

A big selling point with the electronic watch is the accuracy possible with the crystal-controlled oscillator. In general, the higher the frequency the higher the accuracy with a frequency of 32,768 hertz, providing a satisfactory compromise with cost, size, power consumption, etc. The quartz-crystal oscillator is set to an accuracy of 0.5 parts per million--that is 15 seconds a year--by a trimmer capacitor in the oscillator circuit. With aging and temperature variations taken into account, the over-all deviation of the watch will be less than 10 seconds a month.

Of course, the circuitry involved in something like this is tremendously complicated and pretty difficult for us ordinary people to understand. Just setting the watch to the correct time sounds pretty involved. For instance, the time setting circuit is controlled by a four-position switch constructed like the stem of a conventional watch. For hour changes, the crown is rotated clockwise and held, while the hours advance until the crown is released.

For correct time setting, the crown is rotated counter-clockwise to the first detent, which places the watch in a hold position. Two choices are available at this point. If the watch is running fast, this position is maintained until the correct time signal is received, then the crown is rotated back to the operating position. If the watch is running slow, rotating the crown further in the counter-clockwise position and holding it advances the minutes. Releasing the crown returns the watch to the hold position, and when the correct time signal is received, the crown is rotated back to the normal operating position.

Once the display, electronics, and power-source configurations were established, the next problem was how to get all the parts into an attractive case--also light enough and small enough so that you could life your arm high enough to read the time. How well they succeeded can be judged by the size of the movement - 1.44 by 1.13 by 0.29 inches. Future design goals call for a complete watch movement 1.0 by 0.6 by 0.14 inches.

Designers say that digital display watches retailing for \$100 are feasible--but don't hold your breath until you find one at that price. Remember the middleman!

(Ed. Note: Very FB art Jack, many TNX).

SCUTTLEBUTT

1. HOT ITEM OF MONTH!! "Paul Bunyon Klupar" fells largest tower in South Jersey Forest!! With one stroke of his mighty cudgel, Paul (Jim) sent toppling to earth a 60+ foot Morrison tower with calculated guidance path accurately placing the "thud" just between house, car, and garage. In the top most branches was a TV antenna and rotor which, unfortunately, were reduced to a lower energy state upon impact. Perhaps Jim will fill us in on more details at the September 6th meeting. (Even our Technical Advisory Committee will find it tough to beat this kind of "economical" engineering!).
2. Talk to Vic Dudley, WN2INZ, about his new pulsed DC antenna (I think he gave up on it after 17,480 cq's with no effective response).
3. Sorry to hear that Ed Stetser, K2JJC, was recently in Underwood Hospital. Understand all is OK now and Ed is home again.
4. The reason WB2PVI has not been around lately (on air too) is that he now is the proud owner of a 24' cabin cruiser!! So now it's Captain Bill, or barnacle Bill the Sailor, more likely--with 2 M FM(?) ship-to-shore (do you take out fishing parasites, Captain?). Well, some guys have all the luck (\$\$).
5. Understand WA2SEA has S-9 signal on neighbors TV set. Gosh, Harry's signal isn't that good on Broad and Cherry Streets--is it John?
6. Understand our refreshments can has been pretty empty lately. Now we aren't asking you guys to fill it up each meeting nite (although that wouldn't be too bad an idea), but we are asking you to drop in something! John, WB2GKH, who does a whale of a job handling this eritical task, informs we are not breaking even here! So let's help out OK? OKAY!
7. A WORD TO WISE DEPT. For those of you lucky dogs who have upgraded your license--REMEMBER--you must submit a copy (or show him the real thing) of your new ticket to Treasurer Paul, WB2WAK, to get your \$.
8. Many tnx to Jack, WA2MEM, who has volunteered to help instruct at our code class. We still have not heard from the school regarding time, date, etc. at present time. Perhaps we should know more details by club meeting night.
9. Sounds like GCARC had a "banner" turn-out for the N. J. QSO Party. Expect a full report from W2FBF next month after Ken has checked over the logs which you will submit at the Sept. 6th meeting to WB2JZX. (Scuttlebutt has it that wiley, crafty, WB2WAK has snatched 1st prize).
10. W2CDZ and xyl WA2FG will attend the general meeting of the Ontario Trilliums (the TOT's) in Toronto the weekend of Sept. 7-10th. Rose Ellen mentions there are 3 other stateside gals who are members and 3 of the 4 will attend. What do you do amongst all these yl's Bill? Some guys have all the luck!
11. Wish to thank Wally, W2PLD, for sending in data and articles for X-TALK. Many tnx for the old-time X-TALK stuff too Wally--will get it all printed in due course.
12. Understand a red Mustang (WA2EOB) TV I generator is running around the streets of Pitman. You can follow it by ear as the sounds of neighbors' shotguns are trained upon the flashy beast.

DX NOTE - From WA2FGS

Was chatting with Darleen - HC2YL (formerly WA6FSC) and she asked me to relay the following information to as many publications as possible.

She has just completed a DX-expedition and her former call is WA6FSC. All qsl's for this card should be sent via VE6AKV or to the Radio Club P. O. 5757, Guayaquil, Ecuador.

Anyone having any old radio magazines or any magazines with patterns, clothing or other items of interest can do a favor by forwarding to her via boat mail as they do not get our publications in Ecuador.

She can be found from 2000z on daily on or about 21.350 Mhz.

FOR SALE:

One National 300 Rcvr - excellent condx.	- \$125.00
One DX-100 - built by K2LVN and in excellent condx.-	50.00
One 54 ft. Spaulding tower -	30.00

Contact either Bill, W2CDZ, or Rose Ellen, WA2FGS.

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SORRY, SOLD:

Pierce Simpson Gladding 25 (2M FM) complete with xtals, 6 channels;  
\$200.00 See WB2JZX;

\* \* \* \*

RAMBLINGS OF A GHOST WRITER

Signal Hill, Newfoundland! How many of you ever heard of it? Well, in 1901, Guglielmo Marconi selected Signal Hill for an experiment to demonstrate that signals could be transmitted by electromagnetic waves. On December 12th, the letter "S" was transmitted by Morse code from Poldhu, Cornwall, in England. Using a kite to hold his aerial aloft, Marconi received three faint dots on his set to make communications history. The signal had traveled 1,700 miles. Newfoundland became a vital link in North Atlantic communications during the Second World War. One of the main convoy routes supplying Britian with food and munitions ran between St. John's Newfoundland and Londonerry, Northern Ireland. In 1949, Newfoundland ceased to be a British colony and became Canada's tenth province. Signal Hill was declared a National Historic Site in 1958.

Have you ever "talked-in" a guest on his mobile rig when he happens to be visiting you for the first time? Well, W2OZO had the pleasure of talking-in his guest all the way from Baltimore, Maryland until he reached his destination. And he stated every one of the minutes during the contact were enjoyable. Try it sometime and see if you don't enjoy it. At this time of the year it shouldn't be too hard to find a mobile rig making a vacation trip.

RAMBLINGS OF A GHOST WRITER (Cont.)

I think that the prices of the new DX and American Callbooks are getting way out of line. It used to be that DXing was a rewarding and economical hobby-getting QSL cards and sending them. But now it is a financial hazard. It's no wonder that the cards are getting harder and harder to get out of Europe and other foreign countries. The Callbook people have come up with another gimmick whereby they sell you the main book, and then they sell you supplements every three months. The idea isn't so bad; but, if you desire to purchase a callbook in the latter part of the year, you are purchasing a book that is out dated by the time you receive it and still you pay extra for the supplements at the same time. I personally thank that it was better when they put out four separate callbooks a year at a lower price. I don't think that they have streamlined their callbooks that much to warrant that price rise. How do you feel about it?

I would like to ask you a question.....Do you think that CB'ing has made more hams? There seems to be varied opinions on this subject. My thought is that once a CBer gets his rig on the air he begins to work DX (even if he is forbidden to do so). When he reaches this stage, he hasn't time to go get his ham ticket. Another thing that I can't understand is the type of conversation one hears over their frequencies. Some even use profanity. If we hams behaved like this, the FCC would take our license away!\*

For some untold reason, the CBer holds himself above the ham status; therefore, why should he go to all the trouble of studying for his ticket when all he has to do is to write in for one. These are a few of the reasons why I don't think that CB'ing brings more into ham radio. What is your idea on the matter?

One thing that doesn't make sense to me is the fact that a person will study and cram for an examination, may go up several times and flunk it, finally passing and getting his call. As long as the newness is there, he is interested. But when the interest lags and finally stops, the ticket is allowed to expire. This same individual would no more think of allowing his driver's license to expire than flying. So why his ham ticket?

My fellow ghosts have been on vacation up in the wild blue yonder, and don't have too much for me to tell you, so till next month -

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

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\*Assuming we are caught (Ed. Note).