

CROSSTALK

Published By And For The

GLOUCESTER COUNTY AMATEUR RADIO CLUB, W2MMD*

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Crosstalk Staff

Doug Gehring, WA2NPD, Editor	Bill Bachman, WA2VEE, Printer
Doris Bachman, Typist	Roslyn Marder, N2AKL, Circulation

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Club Nets

2 Meter RTTY Net: Monday, 8:00 P.M. 147.54
ARES Net: Sunday, 8:00 P.M. 147.78/18

The Gloucester County Amateur Radio Club meets the first Wednesday of each month at the VFW Hall in Woodbury Heights. Meetings begin promptly at 8:00 P.M.

Please send any contributions for CROSSTALK to Doug Gehring, WA2NPD,

President's Message

This is a good time to sit down and write this month's President's Message. It is Feb. 11 and the snow has been falling for a few hours. There is no point in shoveling the snow now, more will soon be deposited. The weatherman has just announced an expected snowfall of from 10 to 20 inches. I'll wait until it's all over and then decide what to do. Maybe the sun will shine the next day or two and melt it all, or maybe someone will shovel it for me. Boy, can I procrastinate when I want to.

All of us procrastinate once in awhile and sometimes it sure is easier than jumping in and doing something right now. This can be carried too far however and it can lead to all sorts of things: such as, should I sell those tickets, should I attend the general meeting, should I volunteer for a committee or other job that might help my club, should I bother with field day, should I help at the hamfest or just go and pick up the things I need for the shack (why not do both)? I could go on and on but most of us realize we can easily fall into this trap. "The Procrastination Trap." We have a year full of club activities to look forward to, let's not procrastinate about going to them or helping with them. Let's all call out that ham spirit that lurks in all of us and put an end to the "Procrastination Trap."

The "what do you want to know box" has started to work. Let's keep it working. We received a four-page document with a lot of very much appreciated information from John, K2JF. Doesn't anyone else have anything to offer? Let's start a "can you top John" campaign. The winners of the campaign will be those members who see some of their ideas take fruit and start being used by the club.

For those of you who were not able to attend last month's general meeting the program was exceptional. We learned everything from how to keep our batteries charged correctly to building our own printed circuit boards. Thanks very much to Chuck-WA2TML and Joe-WA2GFK for such an interesting and informative program.

Some of you have not attended our monthly meeting for the past couple months, we missed you and hope you are O.K. You have been conspicuous by your absence. Don't let us talk about you - show up at the next meeting.

Hope to see you all - don't forget your badges.

73 - Russ, N2ASV

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Program for March

Another magnificent gem is in store for those of you who can stick around for another 23 minutes. Chairman WA2VXT is presenting a professionally made 16 mm film entitled "Frankfort Radio Club"! This film, made by one of their members who produces films for the NFL, has been shown around the world and features Frankford at their contesting best. And guess what? None other than GCART's own N2SS, Tony, is one of the movie stars!! So, if for no other reason, c'mon out and give Tony a few jeers (correction) cheers,

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New Members Welcomed

At the January meeting we welcomed a near record 7 new members into the club. They are as follows:

Clara Spracklin, WA3TOC, who lives in Swedesboro. Clara has been an amateur for 10 years. She holds a Technician Ticket and is interested in contesting and DXing.

Michael Catalano, N2DYP, Mike hails from Deptford and also holds a Technician Ticket. He has a Tentec 540, Icom 2AT, and is interested in CW and 2M.

Vaughn Lowther, KA2OGC, who lives in Glassboro. Vaughn is a General and runs a Yaesu FT 101RD and an "oldie but goodie" pair of Hallicrafters, HT32B/SX101A into a TA-33 Jr. on AM and SSB.

Bill Godfrey, WB2VFX, is from Stratford and also holds a General Class Ticket. He uses an FT-101F into a vertical antenna and also is active on 6M.

Dom Farinella, W2DWE, holds a General License and has been on the "bands" for 23 years. He runs a TR4 into a TA-33 Sr. and has a Kenwood 7625 on VHF. He also is into RTTY. Dom lives in Oak Valley.

Ed Titterton, III, KB3RN, who lives in Philadelphia holds an Advanced Ticket and uses an IC-720A/SB-220 into a TA-33 or long wire antennas. He also has an IC2AT and an IC25A.

Larry Davis, who hails from Sewell, isn't licensed yet but is very interested especially in microwave technology. He is an Associate Member.

We wish each new member all the best and hope they will quickly feel at-home in the Club.

de Fred, KB2BF

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Associate Membership

We were asked to remind all that the dues for Associate Club members are 50¢/month with the proviso that, if \$5.00 is paid to the Treasurer by the April Club meeting, that will be considered payment in full for the calander year. Associate members enjoy all the privileges of the Club except that they may not hold office or vote. (Refer to your copy of the Club Constitution for further information). By the way, for the rest of you gu\$y\$- Dues are now DUE!!

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N.J. Traffic Net on 2M

Now meets every evening (7 Days/Week) on 146.655 (-600) to handle traffic for the Gloucester County-South Jersey area. The net meets at 10:30 PM (local time) with GCARC's WB2UVB as NC. Gene requests all those who can "hit" the Vineland repeater please check in and help route the traffic. Tnx. de WB2UVB.

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4 SALE

1. DTR 2000L Linear Amp., 8877 Tube, \$750.00
2. IC 505 6M Portable, \$325.00
3. FTV 901R (transverter for 2 & 6M), \$352.00
4. YL 901 Bandscope, \$350.00
5. 6M Amp., KLM, \$99.00
6. 11 elem. 6M beam, KLM, \$99.00. For the above 6 items contact Tom, AD3V, or call on 144.93 in evenings.

Dentron Linear, MLA2500, with Drake TV3300 LP filter; like new, used only 25 hours. Firm price: \$600.00. Contact Dan, W2YDH (609) 235-3485 after 1800.

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X-TALK loses Typist

It is with regret and remorse that we announce that our reliable, competent typist, Doris, must resign her post effective with this issue. She has faithfully served in this capacity for 2 years and we will miss her very much. However, all is not lost for we have fortunately secured the services of Mrs. WA2LET to take over the typing duties. Pinky also is well qualified and we are looking forward to having her join the X-TALK staff.

Again many many thanks to Doris, Mrs. WA2VEE, for a really first class job.

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New N.J. Traffic Net

There is a new New Jersey Traffic Net. This is a new morning CW Section Net. It meets daily & Sunday on 7,063 kHz at 10:00 a.m. NJM ("M" for morning) is an ARRL National Traffic System net. It serves the entire State of New Jersey.

NJM Net Control Stations will hold speed to 15 WPM to encourage more CW operators to get into traffic handling -- a most rewarding public service phase of amateur radio. While 10 a.m. in the morning is kind of rough for those of us who must continue to work for a living, it could be an attractive time for those retired members and for all of us on Saturday and Sunday.

So, if interested, check-in and learn about CW Traffic Handling.

Tnx to "WB2JQR" es K2JF

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More Comments Filed On Volunteer Amateur Radio Examinations...

Both the Quarter Century Wireless Association (QCWA) and the West Radio School, Inc., of Southern California have filed comments supporting the ARRL plan to permit the use of volunteer amateur licensees to prepare and administer ARS license examinations. QCWA president, Stu Meyer (W2GHK) said that "It is the belief of the QCWA Board of Directors that there should be one primary national organization which should constitute the central point for dissemination and collection of examination materials, and act as liaison with the Commission licensing staff." The QCWA feels that the ARRL "is the obvious candidate to coordinate volunteer examination preparation and administration. QCWA proposes to work with the League to produce examination questions for each license class, to administer individual examinations taken from an FCC approved question bank as well as perform a number of other tasks."

Gordon West, WB6NOA, said in his comments that his organization "fullheartedly supports the concept of the ARRL petition for rule making... We also agree that profit-making organizations in the business of selling study guides, tapes, and paid classes, are ineligible to administer the exam." West also suggested a "nominal examination fee" be allowed to be assessed to cover license exam costs. "This fee would help pay for the facilities to administer the exam, duplication costs, and the routine expenses incurred by the individual volunteer clubs in the administration

of the examination process.: Also recommended was a bank of 1,000 rather than 500 questions to allow for more test versions, and an "open book" policy on some question categories so that answers could be "looked up."

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DA'S & DIT'S

Maybe AE2L will become activated and join the Hams on Wheels.

If you want to lose weight, WA2SEA, you must push yourself away from the table three times a day.

WA2SIT says he goes bowling every Monday night at Woodstown. Is that for sure? I hope she doesn't see this.

"Remember way back when we were promised a chicken in every pot" says WA4FDO. Did you live in Florida then, Len?

Well WB2GKH, now that you had a brief respite because of the sniffles, we hope you're back swimming again. Don't forget to bring Della.

N2ASN, best wishes for a speedy recovery. We hope that hip is swiveling around in good form.

The demonstration given by WA2GFK and WA2TML at the last meeting was excellent. I am sure there will be many requests for a repeat.

Glad to hear that N2BVA is recovering from by-pass surgery.

We understand that WA2USI recently appeared on Channel 10 TV. Sorry, I was out sleuthing at the time and missed it. Maybe he will enlighten us at the March meeting.

K2PQD announces that there will be a very interesting guest at the March meeting - topic ??????. Be there, you'll find out.

de Eavesdropper

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RPTR LIST

Elsewhere in the paper you will find a list of the 2M Repeaters in the local locale. Tnx to "The Blurb" and Chuck, WA2TML, for supplying this list. Next month we will publish a 220 MHz list (tnx to WA2PFC).

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Spread Spectrum Modulation

Some people are wondering what this "new" form of communication called Spread Spectrum Modulation is all about. The best definition, that seems to pin point the technique is one now accepted by industry and gives a description such as:

Spread spectrum modulation is a technique for dispersing the power spectrum of a signal over a frequency range much wider than that of the information sent. This is accomplished by high-speed code modulation, frequency or time hopping or combinations of these. If done properly these transmissions can exhibit low detectability and jamming resistance.

Spread spectrum techniques for anti-jam communications, ranging, and synchronization have advanced sufficiently to have been introduced into many commercial, space, and military electronics systems.

de K2JF

OUTPUT	INPUT	LOCATION (APPROX)	REMARKS
--PHILADELPHIA--			
147.360	147.960	DARBY	220 CROSS-LINK
147.060	147.660	RADNOR	
147.030	147.630	ROXBOROUGH	PHIL-MONT
146.685	146.085	CENTER CITY	NE INPUT-CLOS. PATCH
145.410	144.810	WEST PHILADELPHIA	
145.390	144.790	SOUTH PHILADELPHIA	
145.270	144.670	ROXBOROUGH	
145.230	144.630	UPPER DARBY	
--NORTHERN SUBURBS--			
147.390	147.990	DOYLESTOWN	
147.300	147.900	RYDAL	FRANKFORD RADIO CLUB
147.090	147.690	WARMINSTER	
147.000	147.600	WARRINGTON	
145.350	144.750	WYNDMOOR	
145.250	144.650	JENKINTOWN	MOST OF PHILA.
--NORTHEASTERN SUBURBS--			
146.790	146.190	TREVOSE	OPEN AUTOPATCH
146.715	146.115	CHURCHVILLE	OPEN AUTOPATCH
145.430	144.830	YARDLEY	TRENTON AREA
--WESTERN SUBURBS--			
146.985	146.385	PARKESBURG	
146.940	146.340	PAOLI	
146.910	146.310	READING	
146.835	146.235	EAGLEVILLE	RTTY
146.640	146.040	PINEGROVE	WEST OF READING
145.130	144.530	BRYN MAWR	
--NORTHWESTERN SUBURBS--			
147.330	147.930	HATFIELD	
147.255	147.855	LEHIGHTON	NE PA. TURNPIKE
147.210	147.810	POTTSTOWN	
146.940	146.340	ALLENTOWN	
146.880	146.280	HILLTOWN	PARA OPEN AUTOPATCH
146.760	146.160	VALLEY FORGE	PARA
146.700	146.100	NAZARETH-BETHLEHEM	
145.310	144.710	SELLERSVILLE	R.F. HILL ARC
145.190	144.590	HILLTOWN	TELFORD AREA
--TRENTON AND EASTERN NEW JERSEY--			
147.240	147.840	CREAM RIDGE	GREAT ADVENTURE
147.150	147.750	BURLINGTON	
147.105	147.705	ALLENTOWN	
147.075	147.675	ROBBINSVILLE	MULTIPLE LINKS
147.045	147.645	ASBURY PARK	
146.850	146.250	FRENCHTOWN	
146.835	146.235	MANAHAWKIN	
146.670	146.070	W. TRENTON	
146.460	147.460	PRINCETON	1 MHZ SPLIT
145.110	144.510	JACKSON	
--SOUTH JERSEY AND DELAWARE--			
147.315	147.915	WILLOW GROVE	VINELAND
147.180	147.780	BARNSBORO	
146.985	146.385	ATLANTIC CITY	
146.955	146.355	WILMINGTON, DEL.	
146.925	146.325	WILLINGBORO	
146.910	146.310	TOMS RIVER	
146.895	146.295	BELLMAWR	
146.865	146.265	PINEHILL	
146.820	146.220	CAMDEN	
146.745	146.145	ATLANTIC CITY	CLOSED AUTOPATCH
146.730	146.130	WILMINGTON, DEL.	
146.655	146.055	VINELAND	
146.610	146.010	CAPE MAY CT. HOUSE	
145.370	144.770	CHERRY HILL	
145.290	144.690	CAMDEN	

The BLURB
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DX Dope, Tnx to SNEDXA es KE2M

Rodrigues. 3B8DA/3B9 can be found on 28550 KHz at 1300Z and around 14215 KHz at 0330Z.

ZD7, 8 and 9. ZD7BW, ZD8LM, ZD9BV, ZD9BX and ZD9YL may all be found on 21335 KHz between 1700 and 1900Z. They are usually on three or four days each week.

Central African Republic. TL8TX plans a long stay. Look for him on 21280 KHz at 1700Z and 28700 KHz at 1300Z.

Southern Sudan. 9Y4RD/ST0 plans a two month operation. Present activity is mainly on 10 and 15 meter SSB.

Malagasy. 5R8AL is back and is active on Monday and Wednesday on 21330 KHz at 1700Z. Look for him also on RTTY on 21095 KHz at 1900Z. F6EXV hopes to operate 5R8A+for two weeks in mid March.

Comoros. D68AM is due up on 21285 KHz at 1800Z on Wednesday, Feb. 23.

Uganda. 5X5FS is on 21280 KHz at 1800Z on Fridays and on 28600 KHz at 1700Z on Saturdays. QSL to EI9G.

Iraq. YI1BGD may be found on the low end of the 20 meter SSB band around 1500Z on Saturdays.

South Orkneys. Sunday evenings find VP8AOB on 14220 KHz around 0300Z.

Morocco. CN8EU is very active on 21295 KHz at 2200Z. QSL to KA4S.

March Rumors. There may be operations from Clipperton and from Malpelo in March. Details as they develop.

Grand Turks. VP5MOX will be on CW for the contest this weekend and plans SSB operation before and after, through Wednesday.

160 Meters. It is reported that W1FC became the first W1 to work Japan on 160. He contacted JA8IEF at 1134Z on the 13th, with signals apparently coming longpath.

Libya. 5A1BQ is apparently a pirate operation. None of the various QSL managers specified know anything about the operation.

Nigeria. KC7UU/5N6 is very active on 14024 KHz at 8000Z, 21012 KHz at 1300Z and 7005 KHz at 0200Z.

Qatar. A71AD may be found nightly on 3795 KHz. W6KG/A7 can be found on 21022 KHz around 1500Z and on 28501LAT 1330W. Iris and Lloyd will next stop at A9 later this month. They will not be visiting A6.

United Arab Emirates. DJ8WL left Wednesday for a two month stay in A6. Peter will try for an authorized operation.

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No Code License, Yes or No?

By now you are familiar with the FCC's NPRM concerning the creation of a new no code license classification. Also, you are aware that recent polls indicate 90% plus of the amateurs - including ARRL, are opposed to such a move. A host of reasons--pro and con, have been presented by many spokesmen for both sides.

This editorialist is opposed to this proposal--but for a reason that as yet has not been presented (to my knowledge). Very simply--and perhaps bluntly, it is this. By eliminating the code provision, the door is

further left ajar to allow another downward quantum jump in the quality of the amateur at the expense of quantity! This may exude "holier-than-thou" anguished cries from the more liberal elements, but--let's face it, what's wrong with quality? Never before in the history of amateur radio has the spectrum been blighted with a proliferation of lids, jammers, "free and open" advocates, pirates, on ad nauseam. And although the no code licensees will be relegated to VHF, you can bet that many will find their way (illegally) to other band segments--thus the number of rotten apples in the barrel will multiply disproportionately. Every time the requirements are relaxed, the tests made easier, etc. another hoard of idiots climbs aboard.

By maintaining the code--together with a rigorous set of exam questions, it will present a challenge held high which must be reached by only those willing to work hardest to achieve. And, statistically, from this group will emerge a better, more courteous class of operators willing and dedicated to obeying the rules of the road.

So what's wrong with quality? Nothing that we can see. Write your comments to the FCC, let them know you are in favor of quality.

73's de WA2NPD

(NOTE: This opinion does not necessarily reflect that of the majority of GCARC members.).

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Amateur Radio Club Cooperates With Cable Firm to Eliminate RFI

Members of the Kokomo (Indiana) Amateur Radio Club have worked out an agreement with the Telecable Company of Kokomo (TCK) to assist the firm in tightening up its system to the point where it can use Cable Channel E for regular programming. Channel E, which falls in the middle of the amateur 2-meter band, is currently not used by TCK.

Since signal leakage must be located in order to eliminate interference either to or from amateur radio, the Kokomo Amateur Radio Club agreed to help locate and report radiation leaks to TCK. This not only gives the ham club an opportunity for "foxhunting" practice but also will allow them to monitor TCK's progress in tightening up their system. A single point of contact between the cable company and the Kokomo Amateur Radio Club has been set up to insure proper communication (and action) in both directions. Each group has their own spokesman to speak on their behalf.

Although the FCC allocates 144-148 MHz exclusively for amateur use, Part 76 of the rules permits cable TV companies to distribute TV signals through a closed system on most frequencies between 108 and 174 MHz. The video carrier of Channel E falls on 145.250 MHz. Questioned is whether or not present distribution technology can keep a cable system closed. Not only is interference to amateur radio a problem, but also to police, fire, ambulance, aviation and other necessary communication services.

While the Kokomo Amateur Radio Club said that they believe the arrangements made with TCK are "mutually satisfactory", they did express concern that high power amateur signals still might interfere with cable TV viewing. "This has yet to be demonstrated and will be monitored closely." We will keep you posted on their progress. In any event, it is a step in the right direction when a cable company works with a ham group to eliminate interference.

Tnx to W5YI Report and K2JF

CORDLESS TELEPHONES ARE CAUSING QRM for some 80 meter CW operators. The telephones use 1750 kHz for one side of the 2-way circuit and harmonics of the carrier-current transmitters fall in the low end of 80 meters. Though not confirmed, it is also likely that some 160 meter Amateur signals are causing problems for the owners of these phones. The other side of the circuit uses 49 MHz, and it may soon suffer similar interference. A number of cordless phone manufacturers have petitioned the FCC to extend their band edge up to 50 MHz, but with the questionable quality of some consumer electronics, it is likely that phone interference to and from 6 meter users may become a problem as well. Some long range cordless phones brought into the USA by travelers, or smuggled in by people with little interest in (or knowledge of) frequency usage, have also been showing up. Most of these units operate at VHF and run considerable power. One, whose frequency range includes the 2 meter band, promises "over 100 km range" with an appropriate antenna and power amplifier. Anyone hearing such a transmitter is advised to alert the nearest FCC monitoring station immediately. Tnx W9JUV.

Tnx to Westlink Report es K3WIL

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LES BELLES

Have you contacted many YL's in Alaska? The rules for the PARKA LUCKY SEVEN AWARD ARE:

1. Awarded to any amateur in the world who successfully completes two-way contact from the same location or within a 25 mile radius with 7 paid-up members of PARKA. One exception being: Alaskan amateurs must also submit proof of contact with at least four other KL7 YLs (any): making a total of eleven.
2. Endorsement stickers will be awarded upon proof of contact with two additional paid-up members of PARKA.
3. Operation on any authorized HF Band, any authorized mode, cross-band operation not accepted.
4. Contacts valid from February 1, 1955 forward.
5. When sending confirmation, photo copies of QSL cards will be acceptable if copy shows both front and back of cards and photo copy is witnessed and signed by two (2) amateurs. If QSLs are sent and need to be returned, sufficient IRCs for return of cards must be enclosed or two (2) first class stamps. Also enclose one dollar (\$1) for certificate cost.
6. Mail application and confirmation to: PARKA, P.O. BOX 1987, ANCHORAGE, ALASKA 99510.

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The FLORIDORAS have added a Floridora Forties Net on Mondays at
9:30 a.m. EST or EDT, 7.285+-. NC is Cathy, W4BAV.
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SPARCYL, which meets daily at 1800Z on 7.262, has started a new
evening net, Monday nights, 0130Z on 3.961.
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The SAYLARC - Second Area YLS will have a spring luncheon meeting
in Somers Point, N.J. Any YL interested in attending, please contact
me for reservations. The date is set for April 16th.
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Dayton anyone? N2RE will man the YLRL booth there. Stop by for
a chat.
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The BUCKEYE BELLE QSO Party will begin Friday, March 18, 1983, at
7:00 PM EST and end on Sunday, March 20 at 7:00 PM EST.
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73

Rose Ellen Bills - N2RE