

CROSSTALK

Published By And For The

GLOUCESTER COUNTY AMATEUR RADIO CLUB, W2MMD \*

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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 American Legion Hall in Franklinville. Meetings begin promptly at 8:00 P.M.

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

Joan's birthday or Carol's birthday whichever we can get it by: I heard them say things like 'we would like to get 200 and we can give you 100 or 50 for the 200 or 50 for the 100 if you can have it ready to go by Joan's birthday! A shipment was discussed that will be coming up on Candy's birthday....They are dealing in some sort of merchandise and given the locations of the stations, the first thing we thought about was drugs," Jeff said. "Both operators have New York or New Jersey accents. Once, when propagation was bad, they tried to go down to 40 meters...7394."

Frequency changes are in plain language for the most part once contact is established on a base frequency. One of these base frequencies is 14.000. Jeff said that they refer to some base frequencies by code words. "Meet me at the Maple Tree means 14.420, while the Fig is 14.455." After originally using actual amateur call signs, they changed to simply Poppa Yankee and Whiskey Alpha to identify their stations and are showing up mostly between 1 and 3 o'clock zulu. (7 to 9 p.m. C.S.T.) "On April 6th, they came up on 14.470 at 5:10 zulu, (11:10p.m. C.S.T.) at '20 above the Maple Tree' and I stayed up all night listening to these characters," Jeff said. On Thursday, April 8th, they dropped the amateur calls and began referring to the South American station as "Scoobie" and the conversation was mostly around who was going to be a courier. They talked about a Joan who was taking 'up front money' down to spend it on something. They weren't able to make their total buy and the guy up here says that the family on this end is very upset and 'I will have to call Detroit and find out what they want to do...I am questioning your ability to hold a bargain...your ability to be trustworthy... They are asking me a hold bunch of heavy, hard questions to answer!' At that point, they started to rebargain the deal."

Neither one of these two operators is very knowledgeable about radio. Jeff feels that they are definitely not amateur radio operators. The guy in South America is using a dipole, while the North American is using a 70' crank up tower with a beam on it. The American has an Icom IC-730 and a linear, and the South American also has a linear" The jargon being used back and forth is not the type used by amateurs and references to ham gear is not the type that amateurs would use, Jeff said. "For example, a patch cord between the transceiver and the linear was called a 'CB cable' and the one between the linear and the tuner a 'heavy cable'. I also heard the northerner say that he paid \$600 to get his tower and beam up."

At least two Texas amateurs have notified the FCC monitoring station in Kingsville, Texas, of the clandestine operation. They were thanked for the information and were advised by the FCC that they would take it from there. "They were very interested in the information," Jeff said, "and as far as we know, they are monitoring the operation."

Anyone wishing to listen may do so, but remember, interfering or jamming even though they are obviously illegal operators is also illegal. Since the frequency this clandestine group is operating on is assigned to the government MARS program, any station using calls prefixed with NNN#, AFA, or 3 letter/1 number/2 letter calls are to be considered legal and proper so don't go reporting something to the FCC you are unsure of.

Such systems could be constructed in all of the top 50 urban markets within two years of FCC approval, with many markets in operation within six months.

(Ed. Note: We don't have enough RFI troubles now?? -- Tax to K2JF)

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Low-Power TV stations May Soon Operate on VHF, UHF  
(for more TVI problems 4 Hams - Ed)

The Federal Communications Commission has begun accepting applications for several thousand low-power television station licenses across the country during the next three years. Operating in the gaps between regions covered by existing uhf and vhf spectrums, the low-power stations would reach viewers (within a radius of 10 to 15 miles) and could use any available uhf or vhf channel. Stations wishing to operate on vhf would be limited to 10 W of power and those choosing uhf to 1000 W.

The stations will be subject to virtually no FCC regulation, but they must meet technical standards designed to minimize frequency interference with regular TV stations. Also, the commission will not restrict the number of stations a person or organization can own, the programming content, or the hours of operation.

(Tnx to: Electronic Design, Mar. 31, 1982 and to John, K2JF)

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Clandestine Radio Net Operating Above 20 Meters  
(Tnx to W3VI Report, April 15, 1982)

On Sunday, April 4th, a central Texas amateur radio and Navy MARS operator scanning above the 20 meter phone band stumbled upon what is believed to be a clandestine drug smuggling radio net operating between the U.S. and South America. The "smugglers" operate anywhere from 14.350 to 14.500 in the early to late evening hours using eastern U.S. and Brazilian amateur radio call signs.

Jeff (a licensed amateur who has asked to remain anonymous) has been taping the conversations which indeed have all the earmarks of an operation far more serious than mere illegal radio activity. Jeff came upon the communicating stations around 14.400 MHz, but he noted they weren't using any of the standard MARS procedures. "I began to notice more and more that they were talking around subjects and they weren't being direct with their conversation. They were very evasive."

"I started listening to them around 7 o'clock and listened to them for about two hours." Jeff said he didn't have a beam with which to take bearings, but said "another ham here in town does and he scoped them out at 35 and 150 degrees. One station appears to be on the east coast - the other in South America." The stations began by using the radio call sign of a New York state amateur, WA2PAR, and PY2KUZ which, according to my 1982 call book, is an unassigned Brazilian call. "The following day they showed up at 3 o'clock zulu (9 p.m. CST) on 14.465 and the conversation was about a gentleman by the name of Bart who was leaving Wednesday for 'down there' and he would catch a ride with a character named Arielio. They said they needed Arielio's exact measurements by Wednesday night. Some of the dates were referenced as girl's birthdays. 'Well, we will bring that back on

President's Message, May, 1982

I would like to begin this article by giving congratulations to the entire Crosstalk staff for the new Crosstalk format, which is to me a much improved layout. You can be sure, the staff is probably playing with more ideas for improvement. If you have any opinions in this area, I'm sure the editor would be glad to hear from you.

Another item I think bears mentioning also is the matter of Club Dues. According to our Constitution, if dues are not received by May 31st, those members not paid will be dropped from the membership. So, if this is an oversight on your part, let's make arrangements NOW to send in your dues. There are a great group of people making up this Club, and we don't want to lose any, especially YOU!

Besides the general membership meeting on the first Wednesday of every month, the officers and directors also meet on the third Wednesday of every month. The Directors' Meeting as it's called is open to all members of the Club, and you are welcome to join us at any meeting to present any comments, criticisms or concerns you may have. Perhaps you would like to come just to see how your Club's officers operate. In any case you are certainly welcome. Our next Board meeting will be at the QTH of K2JF, Wednesday, May 19th, at 8:00 P.M., 538 Wesley Avenue, Pitman.

Speaking of John Fisher, I'm happy to report to you that John will be giving a program on "Propagation" at the May general membership meeting. We all know how exciting his programs are, not to mention informative and educational. The program will follow our business meeting.

See you there.

73's

Harry, WB2GSF

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GCARC Supports Barnsboro Rptr.

GCARC has donated \$400.00 to assist in the maintenance, operational costs, and in the expansion capabilities for the Barnsboro repeater. Although the repeater is not owned by GCARC, it may as well be, for virtually every Club member utilizes the repeater at sometime or another. As Chick, WA2USI, explained at the April meeting, eventually everyone will have individual access codes for touch-tone operation in addition to the emergency access codes for touch-tone operation. Also, upgrading of the equipment to include 220 and 440 is planned. Check with Chick for details.

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Congratulations to -

N2CQ - his appearance at the April meeting was "super".

K2JF - for a well received talk on RFI to SJRA on 3/24/82.

GCARC - which has now been authorized by the FCC to give exams without the presence of an FCC Engineer.

New Club Technical Chairman

Congratulations to Chuck, WA2TML, who has recently taken over the reign as the Technical Chairman for GCARC. A special round of applause must be extended to Bill, WB2FJE, who has served as Technical Chairman for GCARC for perhaps 15 years. Without much fanfare or plaudits, Bill has quietly, efficiently done the job when required - often with little or no help from anyone. Conversely, he has seen to it that many a tower or beam has been successfully raised at the QTH of many Club members over the years. We sincerely thank Bill and wish Chuck every success in filling Bill's shoes.

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FD, 1982

Chairman Wayne, WA2LET, is busily setting up arrangements for this year's fling - most likely at the County Community College site (same as last year). Band chairmen and the other critical chairmanship jobs are being solicited. Don't hesitate to volunteer -- this is a fun time for all. More next month.

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Bike-A-Thon

From all reports, the efforts and organizational example set forth by the GCARC participants was in fact superior to the organization of the Bike-A-Thon itself!! Special thanks to Chairman, Chick, WA2USI.

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Hamfest, 1982

Hamfest preparations are firming up. Still needed are more volunteers for all committees. Sign-up sheets will be available at the general membership meeting. Also available are flyers for all Club members for distribution with tickets you should have already received. Our present committee chairpersons are as follows:

- Food
- Club Table
- Talk-In
- Traffic & Parking
- 50/50
- YL Activities
- FCC Testing
- ARRL Booth
- P.A. System & Contests
- Cleanup

Last, but not least, our Hamfest Organizing Committee is made up of Milt, K3WIL, Pete, N2CME, John, K2JF and the appointed Chairman Harry, WB2GSF, (who was made an offer he couldn't refuse -- hi, hi).

(Ed. Note: Looks like Hamfest, 1982 is in high gear!)

Crozet. FB8WG has been more active recently, especially on 10 and 15 meter SSB.

China. BYLPK has been worked by several dozen North American stations as well as many European and Japanese stations. There appear to be two operators of BYLPK, one an OM and the other a YL, who take turns operating in shifts.

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Mr. WZAFB Ailing

GCARC was saddened recently to learn that Della's OM, Ivy, for many years a staunch supporter and friend of the Club, is in Underwood Hospital. All wish Ivy's stay there is brief and that his recovery will be complete.

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A Helpful Hint by K2JF

If you are a single frequency operator here is a way you can really improve your signal, plus reduce harmonic radiation and reduce what TVI you may be experiencing.

With your noise-bridge or grid dipper, cut your coax feed line (matters NOT what impedance) to exactly a half-wave (or a multiple thereof) of your operating frequency. Attach one end at the antenna and the other end at your tuner. Here's what happens: For all intents and purposes the feedline disappears, and what you are seeing at the tuner is exactly what the antenna is. Run your tuner and match the antenna, simple as that.

I know that the above will set some teeth grinding, fists will clench, and some faces go red: Fine, scream all you want: Rant and rave! But the fact of the matter is, if you disagree with the above, you are wrong. Simple as that. Sorry - (read your theory of transmissolines).

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FCC May Approve "Wireless Cable" Systems

(Tnx to MSN, Mar. 1982)

A wider range of television viewing may soon be on its way into urban homes. Microband Corporation of America, a subsidiary of Tymshare, Inc., has proposed that the FCC allow construction of "wireless cable" systems using microwave, rather than coaxial cable. If the system is approved, the capacity of currently licensed Multipoint Distribution Service (MDS) common carriers would increase from one to five channels, authorizing three such carriers in each of the top 50 markets.

MDS is a low-power, omnidirectional microwave transmission medium, operational since 1973. Within a radius of 20-25 miles from its transmission site, MDS signals are received by special antennas and downconverted to unused VHF channels for viewing on ordinary TV sets.

With multichannel broadband capacity, MDS systems would be capable of such services as teleshopping, security systems, energy management, home banking, pay-per-view special events, stereo audio, captioning for the deaf, and teletext or videotext services.

It has been suggested that CAC create a new multi-single rule that will truly isolate a multi-operator, single transmitter station. One suggestion established three Multi-Operator classes:

- (1) Single Transmitter - one capable transmitter in the shack,
- (2) Two Transmitter - two capable transmitters in the shack (corresponds to current multi-single class); and
- (3) Unlimited - three or more capable transmitters (current multi-multi).

Properly defining the new rules is a problem. The CAC welcomes your comments and suggestions. Feel free to write to Mark Wilson, AA2#, Headquarters CAC Liaison, or to Lewis Thompkins N2LT, second call area CAC rep.

I believe that the above suggestion is a positive step which will create more balanced competition between station classes by allowing groups of operators to "band" together without going head to head against the big multi-multi operations. Whatever your opinion, they are valuable input to the CAC and your participation is surely needed if the final decision is to be representative of the majority view.

73  
Dennis, WB2GES

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#### Spring Code-Theory Class Underway

Chic, WA2USI, reports that about 18-20 students are pursuing the books, dits and dahs, etc. working towards the Tech. and General tickets at the Bellmawr University. The class got underway in early April and will run until early summer. Chic also is planning a summer school class in test equipment use and operation. For more details, call WA2USI.

\* \* \* \* \*

DX Dope, Tnx to Tom, KE2M

Senegal. DJ6SI/6W8 will be active until 17 April, then travel to the Gambia, C53, for a little on the air activity. Fiji Islands. 3D2RF has been active on 14035 KHz at 1100Z. Marshall Islands. AC3Q/XX6 can often be found on 14005 KHz at 1100Z and on 15 meter SSB around 0000Z.

DXCC. The San Felix KF10/CE0X operation will not be credited for DXCC. Extensive investigative research has been conducted through the licensing Telecommunications Authority of Chile. Documentation for a valid San Felix license and authorization for presence on the island cannot be substantiated. Sierra Leone. On Saturday, May 8, the Sierra Leone Radio Society is holding its National Field Day. Stations 9LLFD 9L2FD and 9L3FD will be active. Check the following frequencies between 0900Z May 8 and 0900Z May 9, 28600 21360 14310 and 7060 KHz on SSB only. QSLs will be handled by WA0CAE.

Burma. DF8MP/XZ is apparently QRV until 15 May, before returning to Germany for a holiday. He will then go back to Burma for a one year assignment. The legitimacy of this operation is not known at this time.

#### DA'S & DIT'S

By this time K2JF is enjoying the sun porch at the "puppy factory" figuring out his reports for the day.

A Gerbil and a Parakeet is all that WB2LNR needs to complete the household.

During the recent April wind storm, AE2L had two of his antennas blown down. Not a bad average considering he has a total of six. We bestow the title of Poet Laureate on WB2DXB. Keep them coming, we enjoy them.

I can't help it - but this one came from a source. WB1AOF recently broke his toe. Was he sleep walking, I wonder?

KB2AB recently had equipment stolen from his house. Sorry to hear this. Unfortunately, here's another warning to all of us to exercise caution.

Recently, K2HPV returned from the Southwest. Hope to see him at the meeting. Think he'll be wearing a 10 gallon and spurs?

Now that WB2OCR has become the proud owner of a new radio, seems as though he has to go out and buy a washboard and start washing the family clothes from now on. Well - I guess it's worth it.

Since N2CQ is an old "cow-hand" with computers, we expect him to become active and we look forward to a lot of help from him.

Can we assume that WA2VEE will be our "Head Honcho" for the 3rd Annual GCARC Picnic in July?

Nice to hear that WB2EFL is in there again. Having a farm can be pretty hard work and wouldn't allow too much time for hobby or recreation.

WA2VXT tells K2PQD that computers are a "push over". Well! I ask you what the heck does he have that we don't have?

The two most popular things in the GCARC circle today are cycles and computers. Quite a contrast. Take your choice.

de "The Eavesdropper"

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#### LES BELLES

Wondering where and how to get some of the YL AWARDS available to you? The AUSTRALIAN LADIES AMATEUR RADIO ASSOCIATION (ALARA AWARD) is available to YL's, OM's and SWL's. VK/ZL stations contact 10 members in at least 5 Australian States. DX stations contact 5 members in at least 4 Australian States. Contacts made after June 30, 1975 are eligible. Two meter repeater contacts are not allowed. Applicants must submit a complete log extract which has been certified by two other amateurs whose signatures must be appended. In the event of an applicant in an isolated location being unable to obtain certification, QSL cards may be forwarded in lieu. Applications must show full name, address, signature and call sign of the applicant. Contacts must be made from the same call area and contacts made on ALARA nets do not qualify. Endorsements are available for MIXED, ALL CW,

ALL PHONE, ALL 28 MHz, etc. Endorsements are also available for each 10 additional members contacted - 5 for DX stations. Application should be accompanied by the equivalent of 3 Australian dollars or 7 IRC's. Fee for endorsement stickers are \$1.00 Australian. Send your application to:

MAVIS STAFFORD, VK3KS

2126 AUSTRALIA  
The above rules are effective JANUARY 1, 1982.

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Another award is the BYLARA AWARD - this beautifully designed and colorful award is available for working YL members of BYLARA (British Young Ladies Amateur Radio Association), and to SWL's on a heard basis. BRITIAN AND EUROPE - Work 15 YL members of BYLARA to include at least 10 British YL members. (G, GM, GW, GI, GD, GU, FJ). DX OUTSIDE EUROPE - Work 10 YL members of BYLARA to include at least 6 British YL members. Starting date is April 1979. YL's must be BYLARA members at the time of contact. All bands, all modes, one contact per member. No QSL's necessary. Send log data, signed by applicant with fee of \$1.50 or 12 IRC's or \$4.00 USA to:

MRS. D. HUGHES, G4EZI

YORKSHIRE, ENGLAND.

Open to all YL's, OM's and SWL's. Contacts can be made with BYLARA YL's on the BYLARA net on 3.690 Mondays at 0745 GMT.

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4-SALE

1. Hallicrafters TO elect. keyer, HA-1
  2. EICO elect. keyer, Model 717
  3. Dentron MT-2000A Ant. tuner
  4. Typewriter, Royal, manual
  5. TTY Printer (just the printer), Model 28
  6. Vibroplex, elect. paddle
  7. TEAC Model 3300 stereo tape deck, reel to reel, 10.5
  8. SB-200 Linear, converted 4 6M, 75 watts min. drive.
  9. 12-hour clock, electric, Seth Thomas, 9.5" dia.
  10. H/B Pwr Supply, 110V, T4XCW (4 Drake T-4)
  11. KLM E-2 Xcvr, CW/AM/SSB 2 meters
  12. Rohm 25G Tower, top section of tower, rotor plate attached
  13. Dual diversity TTY term. unit, U.S. Army CF-31D/TRA-7, Manuals included
  14. OSC. Scope, dual sig., reg. tech. workbench size, kit. Kit has never been opened!
- All above items in excel. cond. Best offer, contact Ray, WB2LNR

1. Yaesu FT901DM w/cascade filter Mod. plus other recommended Ft Club mods. Maint. Manual included, \$795.00
2. Kenwood 520S VFO, \$100.00
- 4 above 2 items contact Tony, N2SS, \* \* \*

1. GLA 1000B Amp. converted for 10M, \$300.00
2. Mibil 2 meter Mag. mount ant., \$15.00
3. 4 Amp regulated pwr supply, \$15.00
4. SSTV Stat., 70A converter 80A camera; \$375.00
5. Sears 10M SSB converted CB, \$70.00
6. Bearcat 210 Scanner, \$150.00
7. Ringo Ranger, 2M ant. \$20.00
8. "Big Dummy", dummy load \$20.00
9. Heath Kit, 2M Amp., LW in, 10W out, \$30.00
10. Tempo Wattmeter/SWR Bridge for 2 meters; \$20.00
11. Bencher Chrome paddel, \$40.00
12. Foot switch \$5.00
13. Headphones \$10.00
14. Lumitime 24 hour clock, \$10.00
15. Perf. tape dist. for RTTY \$15.00
16. Coax switch, B&W, 6 pos., \$10.00
- 4 above see Dave, KD2T, \* \* \* \* \*

Contest Corner

Bravo to N2CQ, Ken, for his attendance at last month's meeting. Ken's apparently excellent progress was encouraging and I'm sure we all hope that it continues unabated. Although our 1981-82 contest season is virtually over there are a number of interesting events on tap this summer, particularly for DX'ers.

May events include our last 1981-82 Megapoint event, CQ's World-Wide Wpy CW contest, May 29-30. Also keep these dates in mind:

- May 1-2 - County Hunters SSB
- May 8-9 - CQ USSR CQ-M Contest - Russia's version of the CQ WW DX Test - should be a good chance to work those rarer USSR countries, zones and blasts
- May 8-9 - World Telecomm Phone )  
15-16 - World Telecomm CW )  
DX oriented tests sponsored

WPX logs will be at this month's meeting. Details for the other noted events can be found in the various magazines contest sections.

Field Day is June 26-27. Everyone's participation is needed to make this another successful effort.

Rules for ARRL sponsored events are governed by the League's contest advisory committee (CAC). The CAC is currently considering a major change in multi-operator classes of the ARRL DX contest. The "multi-single" rule is now identical to that used in CQ's World-Wide DX contest. Basically, this rule allows the simultaneous use of two transmitters. Multi-single stations really require multi-multi stations. There is a concern that this represents unfair competition.