

# C R C S S T A L K

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VOL. 16 NO. 3

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

## THE CROSSTALK STAFF

EDITOR:	Bill Conrad, WB2FIF
LES BELLES:	Rose Ellen Hills, WA2FGS
CONTEST CORNER:	Ken Newman, W2FEB
HAM INTERVIEW:	Harry McCormick, WA2SEA
DX:	"Shorty" Wood, W2SUA
NET NEWS:	Jack White, WA2MEM
ARRL BULLETINS, ETC.:	Della Parker, W2AFZ
RCVING REPORTER: (?)	John Stull, WB2JZX
GHOST WRITER:	Anonymous
TYPIST:	Jim Mauro, WA2DNL
PRINTER:	Rick Carter, WA2CLS
CIRCULATION:	Wayne Wood, W2SUA

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## CLUB NETS

6M A.R.E.C.	50.9---Sundays, 3:00 PM Local Time
10M Rag Chew:	28.8---Fridays, 9:30 PM Local Time
Novice A.R.E.C.:	21.115-Mondays, 3:30 PM Local Time
Friendship:	7.265--Every 3 Mos., 1:00 PM Local Time--Date to be announced.

BRING YOUR JUNK TO THE WHITE ELEPHANT SALE FOLLOWING THE  
CLUBMEETING ON MARCH 6, 1974

REMEMBER--"If you nail two things together that have never been  
nailed together before, some schmuck will buy it."  
--George Carlin

FROM THE PRESIDENT'S DESK

I could no longer escape the persistent efforts of our new Crosstalk editor, Bill, WB2FIF to write an article or letter, if you will, as your new President. A deeper examination of my delay in doing this was perhaps feeling somewhat safer on verbal grounds. When one commits thoughts to paper it is much more difficult to wiggle out from under "Who me? I never said that!" Of course I could blame the ghost writer if I should sort of paint myself into a corner.

Harry McCormick initiated a discussion series "Where is Amateur Radio headed?" at several dates in the G.C.A.R.E.C. Sunday night net on 50.9 MHz. It is perhaps not as loaded a question as it appears. It becomes a little more meaningful if we insert "you" .... "Where are YCU and Amateur Radio headed?" Collectively we provide its direction and if we complain and sometimes howl in anguish about the FCC, CB, etc., isn't it likely that is just about all we do?

How much of yourself do you commit to exerting your bit of direction? When did you last invite a CB'er neighbor to attend a club meeting? Get a meeting notice into your local paper? Move a message or make a phone patch for your neighbor(s)? Volunteer your assistance to any of our committee chairmen? The above pointed questions only scratch the surface of our "defensive" rather than offensive posture. Where can Amateur Radio go if each of us doesn't get involved-just a little bit?

I have noted with considerable pleasure that many more of our younger members are getting involved and if I can help to increase this participation during the year and accomplish little else I will feel that I have at least advanced the club's forward progress and the cause of Amateur Radio in general. To our older members I would ask this question: When did you last ask a newer and/or younger member to help you with some little detail or project? If you can't really answer this one CM, think about it. I mean ask eyeball to eyeball! The result may astonish you!

Well, I've said my piece, at least for this issue anyway. A good bit is "between the lines". I'm proud of our club and I firmly believe that all of us working together, giving just a bit of our time, skills, energy-whatever we can contribute, will certainly give a heading to Amateur Radio...and know what? You'll see it! The next time you have a feeling that your president, a committee chairman or a director has, in your feeling "dropped the ball" you might ask yourself "What did I do to help him/her carry it?"

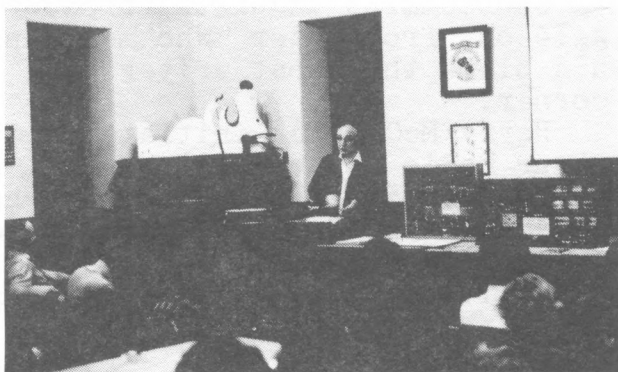
I'm proud to be President of GCARC, and happy that you thought enough of me to elect me to the office. Your job, though, is just beginning--making sure it wasn't a mistake. It won't have been if I know you will lend a hand with the wheel...or in the chartroom... or the engine room...

Jack, WA2MEM

W2JAV AND THE DIODE

Phil Catona, W2JAV presented perhaps one of the best talks ever to a rapt but unfortunately sparse audience at the February club meeting (presumably the sleet and rain held down the attendance). Phil traced the history of the diode all the way from the Galena xtal days of Marconi to the present day use of solid state devices. A rather incredible number of various inventions were described--from Mercury pools to bi-metallic reeds--all serving the purpose of converting AC to DC.

At least 15 applications of present day diodes were mentioned and one got the impression that Phil could have described 15 more. His glass-encased display of over 150 diode types (all neatly labeled) may be a one-of-a-kind anywhere. Those of you who missed this program--well, you just missed a good show.



W2JAV talks about diodes after February GCARC club meeting.

The club thanks W2JAV for a most interesting evening.

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BIG WHITE ELEPHANT TO ARRIVE AT MARCH MEETING!!

The club's annual "White Elephant" sale will be held as usual at the March 6 meeting. This year's MC will be none other than GCARC's very own John, WB2JZX, whose past experience has shown to be exceptionally talented at enhancing the club treasury at the expense of bargain hunting customers from within the ranks of the membership. So, let's all ramble through the shack during the next few days, select items of little value to you (but might be just what your fellow club member has been looking for), dust it off, even wrap a pretty ribbon



GCARC's 1974 officers in action at the February club meeting. They are (left to right) Jim Klupar, WB2OER, Treasurer, Harry McCormick, WA2SEA, Recording Sec'y, and Prez. Jack White, WA2MEM.

around it, and bring it (or them) along to the March 6 meeting, AND, oh yes; you must bring along some cash so that you may also participate. Remember, all proceeds go to a very worthy cause, i.e. into WB2CER's coffers. Also, this year we will have concurrently a swap-and-shop table for those of you interested in unloading or buying gear of a more valuable nature. Simply put a price tag on your item, set it out on the table, and, if sold, be prepared to cough up 10% to the club.

Let's all plan to turn out then for our club's big early spring sale! Remember, if you miss it, the next one won't be for another year.

By Doug Gehring, WA2NPD  
Program Chairman

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#### BILL BILLS, W2CDZ

I know that I speak for all our members in expressing deep sorrow in the passing away of Bill. I suppose, like all of us, I was hoping for a miracle that would make everything "all right". Perhaps the miracle did occur in that Bill was not condemned to protracted pain and suffering and its terrible effect on his family. To Rose Ellen I can only say we are terribly sorry. Your grief is ours and the burden of loss is borne by us as well, for we have lost a friend. Bill was a real gentleman in every sense, the type of person who enriched the life of everyone who knew him however brief or long it was.

\* \* \*

#### PAUL HELARY, VE3CWN

We learned with regret of the sudden passing of Paul, VE3CWN, President for the fifth time of the West Side Radio Club. We extend to all those members, our good friends across the border, our deep condolence. It was my good fortune to have met Paul personally on a number of visits with the West Side lads. Those encounters, though relatively brief, were sufficiently illuminating to convince me that any group or organization was indeed fortunate to have him as a member. In Paul the Lord gave WSRC one of His best.

Jack, WA2MEM

#### MURPHY'S GENERAL LAW AS APPLIED TO AMATEUR RADIO

by Bob Doak, WA2AIH

In looking through some old magazines concerning amateur radio, I came across an article that I found to be funny and decided to share it with you. It was written a few years back by a ham who has over 45 years of experience of building amateur radio equipment. The article\* consists of an application of Murphy's laws in Amateur Radio, and here are some parts of it:

##### A. Design.

1. In any given price estimate, cost of equipment will exceed estimated expenditure by a factor of three.

2. Dimensions will always be expressed in the least usable term. Velocity, for example, will be expressed in furlongs per fortnight.
3. If the breadboard trial model functions perfectly, the finished product will not percolate.
4. In a mathematical caluculation, any error that can creep in, will. It will be in the direction that will do the most damage to the caluculation.
5. In any given computation, the figure that is most obviously correct will be the source of error.
6. The probability of a dimension or value being omitted from a drawing is diretdly proportional to its importance.
7. In specifications, Murphy's Law supersedes Ohm's.

#### B. Assembly.

1. If a project requires n components, there will be n-1 components available.
2. Interchangeable parts won't.
3. Components that must not and cannot be assembled improperly will be.
4. The most delicate component will be dropped.
5. The construction and operating manual will be discarded with packing material. The garbage truck will have picked up five minutes before the mad dash to the rubbish can.
6. The necessity of making a major design change increases as assembly and wiring of the unit approach completion.
7. A dropped tool will land where it can do the most damage.
8. A component selected at random from a group having 99% reliability will be a member of the 1% group.
9. Tolerances will accumulate unidirectionally toward maximum difficulty of assembly.
10. The availability of acomponent is inversely proportional to the need for that component.
11. If a particular resistance is needed, that value will not be available.
12. After an instrument has been fully assembled extra components will be found on the bench.

#### C. Wiring.

1. Any wire cut to length will be too short.
2. Milliammeters will be connected across the power source, voltmeters in series with it.
3. The probability of an error in the schematic is directly proportional to the trouble it can cause.

#### D. Test.

1. A self-starting oscillator won't.
2. A crystal oscillator will oscillate at the wrong frequency--if it osçillates.
3. A PNP transistor will be found to be an NPN.
5. A fail-safe circuit will destroy others.

(continued)

E. Operation.

1. If a circuit cannot fail, it will.
2. A transistor project protected by a fast-acting fuse will protect the fuse by blowing first.
3. Probability of failure of a component is inversely proportional to the ease of repair or replacement

F. Trouble Shooting.

1. After the 24th cabinet-to-chassis screw has been removed to replace the under-chassis fuse, it will be observed that the line cord plug has become disengaged from the AC receptacle.
2. After the last of the 24 cabinet-to-chassis screws has been replaced, the driver tube will be found under the schematic on the bench.
3. The bleeder resistor will quit discharging the filter capacitors as the operator reaches into the power supply enclosure.

\*from QST, Feb. 1968, page 59  
by Myron E. Lawson, W5ACL

(typesetter's note: see how Murphy creeps in !!)

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### TWO COMMITTEE CHAIRMEN APPOINTED

Mark Wilson, WN2OSQ was appointed chairman of the code class and Bill Frambes, WB2FJE took on license chairman (official "test by mail" giver for the club) at the Board of Directors meeting on January 23. We're looking for vice-chairmen for these and GCARC's other important club posts. If interested, please use the coupon in February's Crosstalk or just give me a call on the landline.

....Jack, WA2MEM

### RAMBLINGS OF A GHOST WRITER

Am I too young to be a ham? Am I too old to be a ham? Does it matter whether or not I am a girl? Do I have to have an electronic background? What if I have trouble learning the code, will the instructors have patience with me? Must I know how to run a typewriter?

Many times you have heard these questions along with dozens of others asked of you. What was your reaction to them? The easiest way to answer them would be to say, "Just try and you will make out." But you and I know that this isn't the proper way to satisfy one's curiosity.

First of all, the person asking these questions, somewhere and somehow was bitten by the Radio Bug. Just how big the bite was depends upon the treatment he receives. Now you wouldn't put water on a snake bite, instead you would treat the bite with something to promote healing and make it better. By the same token, when you meet up with an individual who was also bitten, not by a snake, but a bug--a big Radio Bug, you're going to do something to help make the bite better.

I am quite sure that you and several others have gone through this same situation.

What answers did you receive? How did you feel when you were reaching for these same answers? Your experiences should help you find the answers to these questions.

How well I remember when I was learning the code the letters A-Q-Y-L and some of the others that I had already made up my mind that I would never learn. Many times I had become discouraged and was ready to call it quits. Upon leaving it several times, I would find myself being drawn back to the code practice, and with undying perseverance, the dots and dashes started to make sense and formed letters, and soon after, the letters started to fall into place and made words. After missing a word now and then, I continued practicing and soon the sentences started to appear, and I was elated. For I had mastered a monster and was now on my way.

By this time I was convinced that I was now ready to take my test for my ham ticket. I really didn't think that I had to know so many of the answers to the written questions, for now I could read code, and after all, that was the only thing a ham really had to know.

Boy, was I wrong. When I took the code test all of the dots and dashes ran together, and with being nervous, I couldn't even copy two words a minute. Well, it was back home to get down to more code practice and more studying on the questions.

I joined a code class run by the local radio club, and was surprised to see how easy they made the studying for me. It was only a short time when the instructors informed me that I was now ready to take the test. Well, I passed the test and had my ticket along with my station license. Was I happy, for after all of the hard work, I had gotten what I wanted.

The fellows in that code class gave me the answers to the above questions, and proved to me that they were a swell bunch of fellows who DID CARE. From that time on I made up my mind that I would do everything within my power to answer the questions that were asked me and help the next fellow coming up whether it be an XYL, YL, or CM. I would convince them that they will make mistakes, just as I did, but they will overcome them and become a member of a very exclusive fraternity (editor's note: Is "fraternity" a good word for a group which contains YL's and XYL's?), and as I have said above, it depends on just how big the BITE was as to how long Ham Radio sticks with you and the enjoyment you get from it.

I don't think my ghost helpers have gotten over Hallowe'en yet for they sure didn't come up with any news this month....

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

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### THE EDITOR SPEAKS...

I was more than mildly disappointed when I received my issue of Crosstalk last month. Straightforwardly--it seemed to be "mighty thin", as I said to myself, and I thought about some reasons why. My first thoughts were that this paper is basically put out

by our club. Anyone in the club may submit material for printing. In other words, theoretically, Crosstalk speaks for the club. However, this is only true if every member of GCARC has periodically submitted some sort of article or other sort of material to be printed, right?

I'm positive that everyone has on their minds something that's bugging them about ham radio, or at least something they would like to express...Wouldn't you say that Crosstalk is a glorious opportunity to do just that?

Are you afraid of readers knowing who you are? If you are, simply request that your name be withheld. I can promise you that your identity would be made strictly confidential.

Will next month's Crosstalk be "nice 'n' thick"? That'll be up to you.

Bill Conrad, WB2FIF  
Crosstalk Editor.

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### CONTEST CORNER

#### VHF Sweepstakes

Ray, WB2BZY, has won the club competition in the VHF SS for the second year in a row, with another fine score. There was some serious competition from Gary, WA2CMY and Harry, WA2SEA this time, but Ray won out again. Wayne, WB2DBS and Steve, WA2AXJ mounted a field operation, pictures of which can be seen on the photo board in the club room. They had a lot of fun, but unfortunately did not report their score before the deadline.

Ray received the prize of cash at the February club meeting to help on an antenna for a mobile installation he is planning. Gary and Harry received certificates for second and third places respectively. The ARRL certificate for Ray as the high scorer in the club will be along later.

<u>SCORES</u>	<u>QSO's</u>	<u>SECTIONS:</u>	<u>SCORE:</u>
WB2BZY	144	4	4032
WA2CMY	97	3	2522
WA2SEA	62	4	1736

#### ARRL DX COMPETITION

By the time you read this the phone contest will be over, and there will be only one CW weekend remaining. (March 16/17 0001-2359). Hope you will take the opportunity to work some of the choicest DX of the year. Logs will still be available at the March meeting. You can send in your log to ARRL and report your score to W2FBF if you prefer, by April 23. We hope that all who can, will enter the contests and report their scores however small to help the club standings in QST. We will list only the top 3 scorers in Crosstalk if you prefer not to have an entry listed where you did not have the time to operate long enough for a bigger one. In any case, please report to help the club.



NOVICE ROUNDUP

All entries must be mailed to ARRL by March 5 in this one. It looks like Mark, WN2CSQ is the early leader and will be hard to catch. (Editors note: Especially if there are only one or two other Novices in the club that are eligible to do the catching.) Report your scores to W2FBF for prizes and certificates. Scores next month.

Note: W2SUA Cup goes to the highest combined phone and CW scorer in the DX contest, with certificates from ARRL to the top phone and top CW scorers. The club certificate goes to anyone who helps the club score by entering a log of 200 contacts or more (combined modes).

## Club record scores:

Phone.	W2SUA	355,506	614 QSO's	193 Countries-1971
CW.	W2FBF	430,215	667 QSO's	215 Countries-1972
Comb.	W2FBF	618,783	Set in 1972.	

Club high year was 1971 with a score of 1,241,325 and 10 entries.

VHF SS record is held by W2LVW with a score of 6468 set in 1971.

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S.E.T. A SUCCESS???

by Harry McCormick, WA2SEA  
E.C. for Gloucester County

On January 27 the Gloucester County Amateur Radio Emergency Corps participated in the nationwide Simulated Emergency Test.

This year, due to the energy crisis, the S.E.T. was conducted along lines not usually followed in this type of operation. In the past it was always our practice to get as many mobile stations as possible in operation, plus two or three fixed stations to act as liaison stations. This year we had one mobile and one portable station plus sixteen fixed stations take part in the S.E.T.

The Simulated Emergency Test is the year's second largest single operating event, outdone only by Field Day. We had only eight club members out of a total club membership of seventy-two that took part in the S.E.T. This is rather a poor showing when you realize that Amateur Radio exists only because it qualifies as a service. (Part 97, 1(a) of F.C.C. regulations.)

What other type of service can we as amateurs provide, excepting emergency communications, through the A.R.E.C. program, plus the National Traffic System and R.A.C.E.S. It has been said many times that when we fail to provide a service, Amateur Radio is in danger of becoming a thing of the past.

Getting back to the S.E.T. itself. Our operations were conducted on six meters, with Bill, WB2FJE acting as liaison between our local net and the N.T.S. on 75 meters. We also had liaison with the Philadelphia County A.R.E.C. net, through WA3HIT, E.C. of Philadelphia. Approximately fifty messages, of both a local and distant nature were handled during the test.

The end results of the S.E.T. pointed out that we can handle an emergency situation, but that we definitely need more help from club members to strengthen our position in time of an emergency.

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### LES BELLES

There are many YL Hams, who do good deeds and public service work, about whom we do not hear. As an example, I wish to give credit and pass along some news on WØCCD.

Many Technicians have had the pleasure of contacting WØCCD-LOUISE PICKERT (better known as "Grandma Lou"), of Omaha, Neb.

Lou dresses dolls of all sizes (making complete wardrobes for them), contributing them to the Children's Memorial Hospital, as well as buying gifts for boys and seeing that they have a X-mas Party every year. Also she makes many of the children happy by satisfying their longings for items within her power to provide.

Lou had polio, when 5 months old; confined to the hospital until the age of 7, when she went home with one leg shorter than the other. As the kids in school made fun of her, she took up boxing lessons from a professional, in order to protect herself.

"They paid off too", she claims with a twinkle in her eyes.

Many years ago, Lou visited her grandson, while he was operating his ham radio and that is what aroused her interest in radio and subsequently got her Technician ticket. As her grandson used to tell the most outrageous things about Lou, she read joke books and made up stories on herself. One time, she said she was making dandelion wine out back with gin in the washing machine. One day two fellows called on her, saying they were hams from Kansas. After accepting her hospitality partaking of coffee and wine, they asked about the washing machine and wanted to see it. Asking what they meant, they produced their identifications as Revenuers, HI! Because of that episode and others like it, Lou has three certificates to show she is the "Biggest Liar in the World".

A former night club singer, Lou has been making doll dresses over 25 years. She used to sing and do impersonations and make dolls dressed Betty Boop, for her grandson; after which she made them for the Hattie B. Monroe Pavillion. So far she has made over 5,000 dolls for some 15 hospitals and agencies in the area.

When Lou's grandson returned from his "stint" in the service, she gave him the 6-meter gear, which meant she was off the air for "quite a spell". As she was missed on her regular schedule, with a group humorously known as the "Nasty Old Men", they, with the help of her grandson, took up a collection from her ham friends all over and presented her with a brand new Swan 250-C, power supply and mike.

This brought a flood of tears, in appreciation and the knowledge of realizing so many loved and cared for her.

For years, now a white-haired Grandmother of 74, (editor's note: Does that mean she has 74 grandchildren?) she has been obtaining material to dress dolls with-contributions from her friends on 6 Meters. When written up in a column, about her dolls and love for handicapped children, she received 123 packages of material, one weighing 21 pounds.

Her love of children and life can be summed up in a letter she received from a mother. "My son spent six years in a respirator before he died and listened to you on his ham receiver. You brought him more happiness than anyone and he used to laugh out loud for hours. Grandma, don't ever stop."

So, this is a YL who rates orchids and a vote of thanks for the happiness she so quietly spreads. She has a couple of certificates one can work for as: "Slave" and "Cowbelle". With the income from these and any other contributions she receives, all goes to aid the handicapped children.

73's  
Rose Ellen, WA2FGS

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### CORRECTION

Apologies to Mark, WN2CSQ on the error in Jack, WA2MEM's Friendship Net article last month. First of all, at the moment, Mark's call is WN2CSQ, not WA2CSQ. Secondly, Jack had stated that Mark was at Bill Frambes' shack during the Net. Actually, Mark was with Bob Doak, WA2AIH during the net. Sorry about that, Mark.

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### WN2CSQ PASSES ADVANCED, WA2AIH 1st CLASS

Many, many congratulations to Mark Wilson, WN2CSQ who recently completed his Advanced class license requirements. Mark, 15, had just passed his General a month before, and although he hasn't yet received it, he ambitiously went into Philly to successfully take his Advanced exam.

Congratulations also to Bob Doak, WA2AIH. As mentioned in February Crosstalk, Bob, also 15, had passed his Extra and 2nd Class Radiotelephone exams. Bob was planning to try for his 1st class "in the spring sometime." Well, he couldn't wait. He went for it and passed it just a few weeks ago. Now he's planning to go for the Radar Endorsement "in the spring"! Who knows where it'll all end?

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### DX

To most of the gang playing the DX game, obtaining a QSL card to show proof of QSO is a necessary if you intend to apply

for one or several of the current DX awards. Therefore, regardless of how some of us feel about the QSL situation, (this will be the subject of a future column) we do need the card and it behooves us to make it as easy as possible for the DX station to QSL. Obviously with all the QSL's he is asked to answer, we should help him keep his cool.

Don't frustrate him by referring to QSO time in your local time--use Greenwich Mean Time (GMT)--the same time he keeps his log by--the same time you should keep your log by! Nothing will be more disappointing than to work a rare, one time only DX station and not be able to get a card from him because you don't agree on the time. For this reason I gear my station to GMT. I would suggest you buy one of the numerous 24-hour clocks available today or convert a 12-hour clock by using a little artistic ingenuity--set it to agree with the following GMT conversion chart.

<u>GMT</u>	<u>EST</u>	<u>EDST</u>
0000	7 PM	8 PM
0100	8 "	9 "
0200	9 "	10"
0300	10"	11"
0400	11"	12 Mid.
0500	12 Mid.	1 AM
0600	1 AM	2 "
0700	2 "	3 "
0800	3 "	4 "
0900	4 "	5 "
1000	5 "	6 "
1100	6 "	7 "
1200	7 "	8 "
1300	8 "	9 "
1400	9 "	10"
1500	10"	11"
1600	11"	12 Noon
1700	12 Noon	1 PM
1800	1 PM	2 "
1900	2 "	3"
2000	3 "	4 "
2100	4 "	5 "
2200	5 "	6 "
2300	6 "	7 "

In using the chart, remember the date changes at 0000 hours/8 PM EDST which we are now using in accordance with law. Keep your DX log in GMT using times and dates from the chart. Basically then every contact is made with both parties logging the same time and same date.

Remember too, AM & PM distinctions are now unnecessary in logging. Now when you make a schedule with a DX station, you will both be talking an understandable time system.

A more in depth discussion of GMT may be found in other ham publications.

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Both Ken, W2FBF and Doug, WA2NPD expressed sad remarks about the poor conditions prevailing during the first DX

contest weekend. However, they both admitted working some really fine DX just the same. Keep an ear open, gang!

R'c'd a card from Earl Carter, HC2CA upon his visit to HC8 land (Galapagos). Next time take a rig along, Earl!

People's Republic of China--Permission has been granted to W1GEY for operation on 20 meter SSB only during the period of April 19-20-21. He will xmit on 14.195 and listen on 14.200 up. QSL to W1GEY. (courtesy L1DXA.) This is great news--knew it had to happen soon!

Palmyra Island & Kingman Reef--Big operation planned for July-August--more later....

de Shorty, W2SUA

INTERVIEW WITH A HAM

by Harry McCormick, WA2SEA

In looking over my records I find that this column appeared in only three issues of Crosstalk in 1973. The new editor says that we should have more of these articles in 1974. I don't know how others feel about this, but I promised I'd try to do better in 1974.

You might call this a repeat, because I interviewed John, WB2GKH, for the November issue of Crosstalk in 1964. But since several of you were not in the club at that time, I thought John would prove to be an interesting subject for this month.

John Kull, WB2GKH, 625 Cherry Street, Woodbury, N.J., was born in Philadelphia July 27, 1910, and moved to Mantua, N.J. when he was five years old. John attended school in Mantua.

At present John is retired from Mobil Oil Co. after having worked there for 27 years.

John is an ex-CBer and got his start in Ham Radio through the club sponsored code classes, by which he received his Novice ticket in 1962. In 1964 John got his Technicians ticket and in 1968 the General.

At the present time John works six, ten, twenty and forty meters, using a Drake TR-4 with a TA-33 beam and 40 meter dipole. On six John uses a Utica 650 running into a Saturn Halo. In the mobile John uses another Utica 650 into a vertical antenna.

John is a regular on the 10 meter Friday evening net, the Friendship net and the A.R.E.C. Sunday evening net. At other times he enjoys the twenty meter band.

At present John is on the club's Board of Trustees, and has been a club Director. In the past John was on the Hamfest Committee. (Yes, we used to have a club sponsored Hamfest.) For many years John has been the driving force behind the club's annual picnic, and is the custodian of the club meeting room.

John is truly a remarkable fellow and an enthusiastic worker in the club. Nothing is too much trouble for him and you can be sure that if he volunteers for a job, it will be done promptly and correctly. Wish all of our club members could measure up to John's remarkable know how, energy and stamina.

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FOR SALE

HEATHKIT SB-401 TRANSMITTER, good operating condition. Also, the following linear components for sale:

- 1- 1.2 KVA (1200W) 3 KV transformer.
- 2- 8 mfd/4 KV capacitors.
- 2- 10 KV 1.5 amp diodes.
- 2- 100K-200W power resistors.
- 1- Good 3CX1000A7 tube and socket, guaranteed to put out 1KW.
- 1- Jennings 27-300 pf vacuum variable capacitor.

Anyone interested in these items please call Jeff Ehrenkrantz, WA2LWC,

Crosstalk March, 1974

13.

FOR SALE: EICO 753 TRI-BAND TRANSCEIVER. Three most popular bands, 80, 40, and 20. Runs 200 watt input on SSB and CW, 100 on AM. Very stable solid state VFO. Excellent condition with Life-time finals installed. Complete with matching 751 AC power supply, cables, manuals, etc. First offer over \$100 takes. See Bill Conrad, WB2FIF.

WANTED: Good general coverage receiver for friend who thinks he might be interested in getting into ham radio. High School student has about \$100 to spend. Please contact Jim Mauro, WA2DNL,

\* \* \*

WANTED

MORE CASH! Pay your dues to Jim, WB2CER soon so you won't have to pay the penalty by holding off too long. Just use 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, WB2CER

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W2SUA REAPPOINTED ASSISTANT DIRECTOR TO CONNIE MACK

Congratulations to Wayne Wood, W2SUA, who was recently re-appointed Assistant Director of the Atlantic Division (ARRL). Certainly Wayne will do a very fine job in this position, and we wish him the best of luck.

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BACK ISSUES OF CROSSTALK AVAILABLE

Thanks to a kind contribution by Fred Bergman, WB2BPX, the new editor of Crosstalk now has back issues of Crosstalk from 1964 to date. Anyone interested in referring to these, feel free to contact Bill Conrad, WB2FIF

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