

## THE PRESIDENT'S SMOKE SIGNALS

Well, here it is almost April and the prime DX season is drawing to a close. The results of the ARRL DX Contest are not yet in, but it looks like an excellent effort on phone by the club with W2SUA turning in a top flite score. However, there may not be enough CW scores turned in to qualify for listing with the phone scores. I know of only one CW log to be entered, so if two more of you worked someone on CW, please turn in your logs. The two are added together to give the final club score, so lets not miss any points. Everyone who has a log can turn it in to me and I will tabulate the club score before sending them on to ARRL. Remember, ARRL gives an award to the club high scorer on each mode, to lets make sure Della has at least two certificates to hand out this year!

Even though the DX season is closing, there will be plenty to keep us busy this year. The most immediate project is for us to dig through the junk box and come up with something to bring to the white elephant sale at the April Fool's Day meeting. I know the temptation of a white elephant sale on April 1 may be too much for some, so buyers beware!

The results of the Bachman Poll of the XYL's seem to indicate that an outdoor barbecue this summer would be well received, so Bill has started planning on that big event. It should be a really fine time with VEE at the controls.

So, we'll see you all on April Fool's Day, and don't forget your DX Test logs, phone and CW, and something to keep the auctioneer busy.

73

Ken W2FBF

CROSSTALK.....

What does one do to promote "CROSSTALK" after a fb vacation in sunny Florida? I returned to Pitman, N. J. on Friday, March 20, at 5 P. M. amidst rain and fog after driving over 3,000 miles to and from Florida. (Not a very nice way to welcome one home.) We experienced weather from 78 to 80 degrees, and when we left St. Pete, the temperature was 82 degrees and then went up to 87 degrees - just typical Florida weather. I wish that you all could have been down there with me as it was just delightful. Needless to say, that while I was touring Florida, I kept my eyes open for ham observations hoping that I would be able to bring back to you some interesting information.

I would like very much to keep this paper informal and try to deviate from all the basic technical matter which some members deem unnecessary. That is, some of it is alright, but not to overdo it. How am I going to approach this task?.....

O yes, first of all I want to thank Doug Gehring for pinch hitting for me during my absence. Doug always does a fb job with anything he attempts, and I just knew that the paper would be in fine hands with Doug tapping the keys. Little does one realize the power and value that this paper or any other club paper possesses. It happens to be the tie that binds each member to the club.

Members, we want you at the meetings and this paper is the means to promote your interests. You must place yourself in a receptive mood, and if you aren't, all of the papers and talk will fall on deaf ears. I am so sold on this idea, that I intend to do everything in my power to make this paper do the job that it is supposed to do. From time to time I have asked for items and material to publish in the paper. Some of you have cooperated and turned in very fb articles, while others have turned a deaf ear to my pleas. The success of this enterprize depends upon your support as it is YOUR paper.

I want to thank Rose Ellen, WA2FGS ~~for~~ the fb letter she wrote me concerning "CROSSTALK". For the benefit of the members who are unaware of it, Rose Ellen is editor of PJYL-QRV, (the mouthpiece of the Penn-Jersey YL Club) of which she happens to be a large bulwark in this organization. In fact she does such a fb job that I am going to ask Rose Ellen if she will be my assistant editor for "CROSSTALK". I hate to impose upon anyone, but when you see valuable talent one must make an attempt to solicit it. I do hope that you won't turn me down, Rose Ellen.

Any of you members who hear the call WA3MOI on the bands don't forget to contact ~~for~~ this is the call of the PENN-JERSEY YL CLUB, the organization that Rose has worked so hard for.

"Gee but I'd give the world to hear that old gang of mine"...remember when this song made music in everyones ears around the 20's? Well, it would certainly brighten up my eyes and also the eyes of Ken, our hard working president if the old gang would get together, come out to the meetings and lend their support to help get this club really moving. What do you say fellows, are you behind me? Each one of you have something that you can contribute. I care you to do it.

Your Editor

Wally W2PLD

OFFICIAL BULLETIN NR 262 FROM ARRL HEADQUARTERS NEWINGTON CONN. FEB. 26, 1970  
TO ALL RADIO AMATEURS

The Federal Communications Commission has issued a notice of proposed rulemaking, Docket 18,802, to raise application and license fees so that its entire budget will be covered by revenues from licensees. League files in November 1969 QST gave advance warning of the possibility. Under the proposals, amateur application fees would go to nine dollars for new, renewed or upgraded licenses, four dollars for modified licenses and 25 dollars for special call signs. Citizens radio service application fees would rise to 19 dollars along with taxicabs, etc., but commercial radio operator fees would stay where they are now. A new television station license could, however, cost as much as 50,000 dollars. Comment deadline is April 20 and reply deadline May 11, 1970. ARRL members wishing to express a view on the docket should be in touch immediately with their respective directors as listed on page 8 of QST. Further information will appear in the April issue.

## SCUTTLEBUTT

AMEN! Brothers, we is been saved!! X-Talk Editor W2PLD returned just in time from W4 land to get this issue out! We (especially WA2NPD) are glad to see Wally back; journalism has been spared for another month! Of course, W2PLD's efforts may become usurped by the mail man, for, at this writing, the mail service around here (and most everywhere else) is at a standstill. Never fear, however. Circulation Manager, WB2PVI, has assured us that he will personally don his World War I Corporals hat, dig up his college bag, gas up his truck, and deliver X-Talk to each and every member (dues paid to date) if the Postal strike is still underway at press time. This is certainly the kind of club spirit we like to hear. W2KE also has offered to deliver issues of X-Talk to those club members (WB2WAK, etc.) whom he has to visit anyway in the line of his business, or in the course of his work. So those members who normally lock Van out, let him in this time, for he may have your X-Talk issue.

Congratulations to Rick Carter on passing his 5 wpm code at a recent GCARC-sponsored code class. At this writing, his new license should be in the mill somewhere within the vast confines of the FCC. New club member, Gary Hitchner, is close behind Rick and, if all continues, we should have two new Novices within a few weeks.

WB2WKV is hard at work on Thursday evenings learning to become a sailor. Seems Jack has been bitten by the boating bug and wants to learn how to tie a square knot before venturing forth into the briney deep. The true reason, of course, is that he's sick and tired competing with neighbors WB2FJE and WA2EOB and feels he can beat the local QRM by going maritime mobile. Look for Jack's new slant M call from the middle of Alcyon Lake in the near future.

WB2FJE recently threw off the shackles, blew his stack, burst forth, etc. Having suffered from claustrophobia for several years within the confines of an over-sized closet shack, Bill lowered his head, and charged into the south wall in reckless abandon. When the smoke cleared, Bill now is sporting much larger shack and, for the first time, is able to operate with his transmitter and receiver within the same room. FB, Bill.

Speaking of shacks, understand that Howard Carter has also built a new one in his basement. (I think Rick is still up in the attic, however.)

By now, would presume WA2VEE is operating with his new scope and phone patch in position. Bill is now in an excellent position to tell me just what a lousy sig I really have!

Do you have your 1970 GCARC dues in yet? Why not? How would you like to have to mail out special notices to some 30 club members reminding them of this obligation? Too much work you say! Well, John, WB2JZX has to do this starting April 1 providing you refuse to cough-up by then. So, let's give John a break. See him at the April 1 meeting. Give him a real April fools gag by paying your dues on time (he won't believe it if you all come through).

Certainly hope that Editor, W2PLD, can somehow sign-up PJYL-ORV Editor, WA2FGS, for assistance with X-Talk. ( I think he would have to kidnap her, however.) Rose is, of course, the PJYL Editor and, from perusing through a couple of her papers, she is talent personified.

It doesn't seem fitting to close this section on a sad note, but, nevertheless, I can't help but to add a few words concerning the recent loss of WA2IAZ. Harry, for many years, was very active in GCARC in a variety of positions including Treasurer, Membership Chairman, Director, etc. Although in failing health in recent years, he occasionally would trudge up the three stories to attend club meetings. Harry was perhaps one of the friendliest and finest persons you would ever want to meet. He always completed any task given him and to which he agreed to do. And he did the job in first class manner. The 6 meter gang will surely miss him as will the NJ MARS net where he was so active for many years. Our sympathies go out to his wife and daughter, for GCARC has lost a valuable asset as well.

See you all at the White Elephant Sale on the first of April.

de WA2NPD

I owe an apology to WA2WQA-Bukenas

who sometime ago asked me if I would insert the following ad in "CROSSTALK"...This ad had become misplaced and I just recently came upon it so I hope that I can do you some good.

FOR SALE: HE 45A with VFO attached for 6 Meters - \$75.00  
HE 20T Citizen brand new - \$60.00, HE 40 Hallicrafter 6-80 Trans. \$50.  
HG 10 VFO Heath New - \$30.00, New PACO S-50 Push Pull Oscilloscope  
\$50.00 - Two HE 35 6 Meter transceivers \$20.00 ea. SX28 Hallicrafter  
\$50.00 - Gonset Communicator III 2m \$100.00

If you members can use some of this equipment, here's your chance to get some at a good price .....

HEY LOOKIE.....NOW HEAR THIS.....DON'T SAY THAT WE DIDN'T TELL YOU.....  
AT OUR MEETING ON APRIL 1ST. ANOTHER BIG GIGANTIC WHITE ELEPHANT SALE.....  
ASK SOME OF THE BARGINS THAT THE MEMBERS GOT AT THE LAST ONE. THIS TIME BIGGER  
AND BETTER ITEMS WILL BE ADDED FOR YOUR BIDDING.....ONE THING THAT YOU MUST  
REMEMBER IS THAT YOUR BIDDING SHOULD BE UP THERE, AS ALL MONIES DERIVED FROM  
THIS SALE GO INTO THE CLUB TREASURY FOR WHICH YOU AS MEMBERS DERIVE THE BENEFITS  
IN ONE WAY OR ANOTHER YOU GET THIS MONEY BACK, AND WHEN YOU THINK ABOUT IT,  
THE GENEROUSITY OF YOUR FELLOW MEMBERS MAKE THIS POSSIBLE. SO COME ONE, COME  
ALL, AND DIG THROUGH THAT OLD CLOSET AND BRING SOMETHING THAT IS USEABLE THAT  
YOU NO LONGER HAVE USE FOR BUT THAT SOMEONE ELSE HAS...REMEMBER IF YOU THINK  
THAT IT IS REALLY JUNK, SAVE THAT FOR THE JUNKMAN AND BRING THE THINGS THAT  
YOU WOULD BUY YOURSELF.

THIS IS NO APRIL FOOL ITEM, BUT A REAL NOTICE OF THE MONTHLY MEETING OF GCARC ON WEDNESDAY, APRIL 1, 1970.

## STANDARDS AND CALIBRATION

### NBS SURVEYS WWV USERS

The Bureau has the responsibility for the operation of four radio stations that transmit accurate time and frequency information. The formats of two of these stations, WWV in Fort Collins, Colo., and WWVH in Maui, Hawaii, are being reviewed for possible changes and modification. To provide NBS with the information necessary to develop the most useful format, a survey of WWV users is now underway.

A questionnaire has been sent to many known users of the broadcast services and information about the survey is being broadcast on WWV once each hour. The questionnaire has been prepared on a machine-readable punch card and participants are asked to punch out "Yes," "No," or "No Opinion" in answer to 16 questions concerning the present format of the broadcasts. Additional comments are invited on a separate sheet of paper to be attached to the questionnaire. All users of WWV broadcast services, whether government, military, industrial, scientific, or private individuals who wish to receive the questionnaire are asked to write to WWV 1969, National Bureau of Standards, Boulder, Colo. 80302.

Radio station WWV has been transmitting standard radio frequencies on a regularly announced schedule since March 1923. It first operated on the Bureau grounds in Washington, D. C. The station was moved several times but remained in the Washington area until 1966. At 0000 hours Universal Time (GMT) 1 December 1966, WWV began broadcasting from its present location near Fort Collins, Colo. Radio station WWVH began supplementing the broadcast services of WWV from a site on Maui, Hawaii, in 1948. Both WWV and WWVH broadcast the same services on high frequency carrier waves. The Bureau also operates a low and a very low frequency broadcasting station (WWVB and WWVL) at the Fort Collins site. Broadcast services of all four stations are described in detail in NBS Special Publication 236, NBS Frequency and Time Broadcast Services, available from the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. 20402, for 25 cents.

### STANDARD FREQUENCY AND TIME BROADCASTS

High-frequency radio stations WWV (Fort Collins, Colo.) and WWVH (Maui, Hawaii) broadcast time signals on the Coordinated Universal Time (UTC) system as coordinated by the Bureau International de l'Heure (BIH), Paris, France. These NBS time signals, UTC (NBS), are maintained within microseconds of the corresponding time signals of the U. S. Naval Observatory, UTC (USNO). The UTC pulses occur at intervals that are longer than one coordinate second by 300 parts in  $10^{10}$  during 1970, due to an offset in carrier frequency coordinated by BIH. To maintain the UTC scales in close agreement with the astronomers' time, UT2, phase adjustments are made at 0000 hours Greenwich Mean Time (GMT) on the first day of a month as announced by BIH. There will be no adjustment made on February 1, 1970.

The low-frequency radio station WWVB (Fort Collins, Colo.) broadcasts seconds pulses without offset to make available to users the standard of frequency so that absolute frequency comparisons may be made

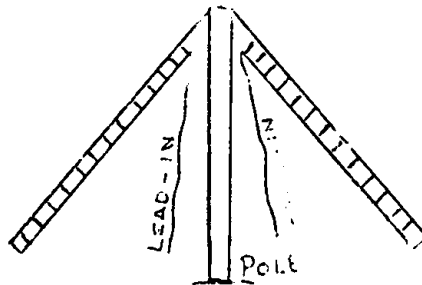
directly, following the Stepped Atomic Time (SAT) system. Step time adjustments of 200 ms are made at 0000 hours GMT on the first day of a month when necessary. BIH announces when such adjustments should be made in the scale to maintain the seconds pulses within about 100 ms of UT2. There will be an adjustment made on February 1, 1970. The seconds pulses emitted from WWVB will be retarded 200 ms.

NBS obtains daily UT2 information from forecasts of extrapolated UT2 clock readings provided by the U. S. Naval Observatory with whom MBS maintains close cooperation.

\* \* \* \* \*

Although I promised not to get too technical in this issue, I do want to show you an antenna that a lot of hams are using in Florida with a good deal of success. One ham down in St. Pete who is 75 years old talks to his son who happens to be on Quam almost every day.

Antenna uses 2" isolantite spacers 4" apart.



Said antenna about 12' above roof top. Lead-in may use spacers also.

Also found out that in the town of Naples, Florida there are 51 hams, most of which are from different states and they have gotten together and formed an Amateur Radio Club there. I talked to KIBS/4 who happens to be only 80 yrs. young, and I am telling you that he is quite alert and knows the score.

Coming home from Florida, we stopped in a Holiday Inn for the night at Danne, N. C., when I saw a brand new Caddie drive in with a very unusual antenna on it, and looking at the Delaware License plates I saw W3DQ (old Doctor Quack), Willard Wilson from Wilmington, Del. Having known Willard for a long time, I had not seen him for 20 years. What a surprise for both of us, and after eyeball QSOing for several hours, he told me that he was returning from a three months stay in Puerto Rico, and was on his way home to a summer place in Ocean City, N. J. In his car he was using a TR-3., and had used this in Puerto Rico with a great deal of success. For those who don't know Willard, he owns the Delaware Radio Sales in Wilmington and is now run by his son. Willard's first big station was sold by him to WDEL who used this station as their commercial station for several years. What a small world ham radio makes.

-----  
TO THE GLOUCESTER COUNTY AMATEUR RADIO CLUB.....DATE \_\_\_\_\_

Enclosed please find \$ \_\_\_\_\_ which is for the payment of my dues for 1970. It is my understanding that you will return my membership card by mail.

Signed \_\_\_\_\_ Address \_\_\_\_\_ Call \_\_\_\_\_

-----  
Note: We know that there is a condition existing with the mail, but this condition hasn't been in effect for as long as your membership dues for 1970. We cannot run our club on promises, so we must get in the dues to cover our expenses. Needless to say this becomes a tiresome chore having to dun you all of the time for the dues that you know you owe. Lets get them in.

Be at the next meeting and see what the club is going to do about this problem. Many more new ideas should be forth coming and in order to get them first hand you should attend the meetings.

For those who are interested there is a book that sells for \$1.25 entitled, "Split-Page Handbook of TV Distribution Systems" featuring 100 easy-to-understand typical layouts for homes, motels, hotels, dealer showrooms, apartment houses, schools. For all TV reception areas. This booklet has many interesting applications that could be used for hamming.

Official Bulletin Nr. 261

The Federal Communication Commission has now acted on Docket 18540. Effective March 23, amateur activity under a foreign license will be creditable towards the two year service requirement for eligibility to take the Extra Class License examination. Likewise, such activity will count towards the 25 year service requirement for two letter calls. Further information will appear in April QST. AR.

WATS NEW.....ELECTRONIC WATCH USES QUARTZ CRYSTAL

An electronic wrist watch that uses a quartz crystal oscillating at 8192 Hz will soon be introduced in the United States by Japan's Seiko watch company. Hybrid dividing and waveshaping circuits provide one pulse a sec to shift a stepping motor 60°. The watch, accurate to within 5 sec. a month, will cost under \$1,000.....Leave it to those Japs.....

CLOSED-CIRCUIT TELEVISION CO. NEW YORK.....For \$337.50 retail here's what you get: a small black and white camera, 5-inch solid state monitor, a single 50' cable, 2-way audio system. GBC plans to market the system through electronic parts suppliers as well as some TV-radio dealers.....Can be used for baby watching, front door surveillance, swimming safety, etc. How's this ham to start to play with? You may be able to put this to some good use other than what it is designed for.....