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1963 Officers

President Milt Goldman WA2ECR

Vice Pres. Della Parker W2AFZ

Secretary Bernie Cohen K2QJX

Treasurer Harry Perry WA2IAZ

Corr. Sec. Paul Walton W2YNR

1963 Directors

Max Richmond WA2SFY

Mal Mason W2LMD

Van Turner W2KE

C. Sketchley K2PQD

Jim Peck W2LVE

Tad Deuber W2CKX

THE PROGRAM FOR THIS MONTH WILL BE A WHITE ELEPHANT SALE. THIS HAS PROVED TO BE VERY POPULAR THE PAST FEW YEARS AND A GOOD TIME WILL BE HAD BY ALL AND THE CLUB WILL BENEFIT BY THE PROCEEDS OF THE SALE. THIS IS A REAL GOOD CHANCE TO CLEAN OUT THE CELLARS AND GET RID OF SOME OF THE JUNK THAT WE ALL ACCUMULATE. ALSO SOMEONE ELSE MAY BE ABLE TO MAKE USE OF YOUR SO CALLED JUNK. SO COME PREPARED TO BUY AND SELL. DONT FORGET TO BRING SOME MONEY. HI.

NEXT MONTH WE WILL HAVE PHIL CATONA W2JAV GIVE AN EXHIBITION OF RTTY. THESE ARE THE NOISES THAT YOU HAVE HEARD ON THE SIX AND TWO METER BANDS THE PAST YEAR. SO HERE IS YOUR CHANCE TO FIND OUT HOW THEY ARE PRODUCED. MORE NEXT ISSUE.

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WELL WE SURE DO HAVE A BUNCH OF HAMS IN OUR CLUB THAT LET THINGS GO RIGHT BY THEM AND NEVER EVEN BLINK THEIR EYELASHES. AFTER JACK'S (K2JKA'S) ARTICLE LAST MONTH I SURE I'D EXPECT A LOT OF GRM. BUT I SURE WAS FOOLED AND NOW I CAN SEE WHY MOST OF THE PEOPLE WOULD JUST RATHER SIT BACK AND LET THE OTHER GUY DO IT. ANYWAY WITH THAT OFF OF MY CHEST HERE IS THE ONLY COMMENT RECEIVED BY YOUR EDITOR TO THE EDITOR:

RE: DE K2JKA AMEN. DE W2PAX.....

W2PAX ALSO SUPPLIED THE FOLLOWING ITEM FOR THE EDIFICATION OF ALL MEMBERS.

BRITISH ARE BUILDING A REALLY BIG TWT...

A traveling wave tube that will provide 100 mega-watts pulses at a frequency of 420 Mcs. is being built by Admiralty scientists at the Services Electronic Research Laboratory at Harlow, Essex, England. It will be used for upper-atmosphere research sponsored by the Ministry of Aviation.

The tube is 18 feet long, 7 feet high, and weighs 4 1/2 tons. To obtain 100 megawatts of RF power, beam power will be 250 mw. The modulator will provide pulses of up to 500,000 volts at 500 amperes. To protect the operators from X-ray emission, the tube will be placed behind a 7 inch lead shield.

Electronics Nov 16, 1963 issue.

OFFICIAL AIRL BULEFTIN NR 888

A reciprocal operating bill, designed to overcome objections to last years reciprocal licensing bill, has been introduced into the Senate by Senator Barry Goldwater, K7UGA, with 23 Senators as cosponsors. The text of the bill, S.920 would provide arrangements similar to those we now have with Canada. See May QST.

KEY CLICKS OF OVERLOADING PROBLEMS ?

Te K2JKL

With the influx of thousands of new hams to the air every year it becomes increasingly difficult to squeeze everyone into the same space that we had fifteen years ago. The state of the art has progressed in the past few years to the extent of improving the selectivity of receivers and the limiting of the bandwidth of the transmitted signal.

With all of this going on before our very eyes, I am sure that at one time or another we have all been plagued by objectionable interference from a very strong signal from a local station. This interference takes the form of splatter on phone signals and key clicks on CW. These problems are more pronounced at close range but can be objectionable up to several hundred miles, depending on their severity. The cause of this is usually due to distortion in the speech amplifier or modulator or excessive percentages of modulation in the negative direction in the phone signals. In the case of SSB, it can be caused by overdriving a linear amplifier. Some problems of this nature sometimes require major changes in the transmitter to correct them. On the other hand key clicks from a CW signal can usually be cleaned up by the addition of a simple key click filter. Clicks on a CW signal are caused by the make and break of the circuitry carrying DC. This in turn generating an RF voltage with a bandwidth of several megacycles. This RF is radiated along with the signal generated by the oscillator.

At this point the difference between clicks and receiver overloading should be explained. Overloading occurs when a very strong signal increases the bias on one or more stages of a receiver to a point where the gain of the receiver is reduced. This will sound like a thump and there will be a noticeable decrease in the strength of other signals. This happens when a chap a half block away is on the air and will be noticeable over the range of a few kilocycles to a few hundred kilocycles, depending on the selectivity of your receiver, and the strength of the interfering signal. The only simple cure for this is to reduce the RF gain control to a point where the thump is not too objectionable.

Minutes of the Regular Monthly Meeting of
THE GLOUCESTER COUNTY AMATEUR RADIO CLUB

March 13, 1963

The regular monthly meeting was started at 2010 in the Owen-Illinois club house, Glassboro, New Jersey with president Milt Goldman presiding. The minutes of the previous meeting were read and approved. The following reports were made: TREASURES' report by Harry Berry, The balance in the club treasury stands at \$346.26. CORRESPONDING SEC. Paul Walton was absent. President Milt Goldman read a letter that was sent to Governor Hughes asking the governor to fulfill his campaign promise to issue CALL License plates. MEMBERSHIP chairman, Bill Bachman reported a new member of his household as his XYL presented him with an 8 lb 12 oz girl. He further reported 50 members at the last meeting with 41 in attendance tonight. Bill requested help in a project of compiling a list of Gloucester county hams. PUBLICITY no report: HOUSE COMMITTEE: Mal Mason reported he has had good help tonight in setting up the chairs for the meeting. HAMFEST: no report FIELD DAY: Woody Frantz will be looking for help. AWARDS: Della Parker sent out four awards to Pete Blew, John Gambole, Doug Gehring, and Al Helfrich. Three applications were received and three are pending. CD: Van Turner had no report. LICENSE: no report. CODE CLASS: reports 12 active members. TVI: no report. HAM SHACK: electricity is now up to the shack. CROSSTALK: Editor Jim Peck was pleased to hear the many fine comments concerning CROSSTALK and assured everyone that better and bigger things are planned. All were asked to send articles for the paper to him. PROGRAM: Van Turner reminded everyone the WHITE ELEPHANT SALE is the program for the next club meeting. BIRTHDAY PARTY: no report. OLD BUSINESS: Don Thompson reported on the setting up of a meeting for the Ham Fest Committee. NEW BUSINESS: Wally Martin commented on the Pagoda Award and endorsements given by the Reading Club and asked if consideration of this be given by our Award committee; such consideration will be given. GOOD AND WELFARE: Jim Peck, editor of CROSSTALK, asked for the members submit profiles of each other for publication in the paper for general interest to all. Van Turner reported that Al Becket, W2QYG had a stroke and would appreciate hearing from all of us. He lives on Edson Ave. in Pitman. Bill Badger, WA2LSI won the door prize. The meeting was now turned over to Wally Martin for the night's program of a homebrew contest. The Judge was Mr. Horace F. Hanthorn, W2AYY of RCA who did an outstanding job. Each entry was judged on originality, workmanship, versatility, design, complexity and technique. The winners were as follows: NOVICE: WA2HJD, Merrill Weiss, INTERMEDIATE K2UWC, Don Curtis and PROFESSIONAL: W2FLD, Wally Martin.

Respectfully submitted,

Bernhard Cohen, K2OJX
Recording Secretary

Minutes of the Board of Directors Meeting of
THE GLOUCESTER COUNTY AMATEUR RADIO CLUB

March 21, 1963

The regular monthly meeting of the Board of Directors was called to order at 2015, at the QTH of Charles Sketchley, K2PQD, by Della Parker, vice-president, in the absence of Milt Goleman, president. The minutes of the previous meeting were read and approved. The following reports were read and made: TREASURES REPORT: Harry Perry reported a balance on hand of \$340.45 and that a total of \$62.00 was outstanding membership dues. CORRESPONDENCE: Paul Walton commented on the letter Milt Goldman sent to Governor Hughes. The FCC sent a letter pertaining to a change of persons and telephone numbers who can be reached in case of emergency need for FCC assistance MEMBERSHIP: no report. Jim Peck turned in two applications for membership in the club; they are as follows: Edward Egolf, WA2ZMS of Sicklerville and Edward Sarma Jr., WA2WKC of Blackwood, NJ. A Motion to approve these applications for sending to the general membership for voting as made and carried. A clarification concerning dues was made, dues are .40 cents a month with \$3.00 initiation fee. Publicity Jim Peck no report. House Committee: Mal Mason wanted to submit his resignation because of difficulty in getting help in his various duties A discussion took place and action will be taken to insure that Mal does get sufficient help and assistance. HAMFEST: Charles Sketchley reported that Gil Hilman is doing a good job in setting up the Hamfest. A proposed date of the first week after Labor Day was thought too late by a few present. This matter will be looked into. FIELD DAY: Mal Mason reported that Woody Frantz was progressing nicely. AWARDS: Della Parker reported 6 more awards have been made up, and that she is getting to be very busy. CD: Van and Tad discussed equipment surplus of Union. LICENSE: Tad Deuber reported an applicant did not show up to take the test. CODE CLASS: Harry Perry reported the group is now working on 15 wpm and will go to 17 wpm. TVI: no report. HAMSHACK: Mal Mason reported now that electricity is up to the hamshack, the next step is to install outlets. PROGRAM: Van Turner spoke of next months program, the WHITE ELEPHANT SALE, and about a proposed display of RTTY, for the following month. OLD BUSINESS; out QSL cards are off size as some of the members are having trouble with their local post offices. AWARDS: Della Parker was instructed to make up certificates to the winners of the homebrew contest and to write a letter of appreciation to the judge of the contest. A motion was made and carried to award prizes of \$5.00 to the winners. GIFT COMMITTEE: Mal Mason indicated no progress. NEW BUSINESS: A discussion of Wally Martin's proposal to add seals denoting additional contacts with club members to the club award, was held with no action taken at the present. Herb Brooks, K2BG gave a very excellent talk on the Emergency Communications system along with RACES information. Herb is Assistant Director of the Atlantic Division and also showed his original license issued in 1919. His talk was very informative and was enjoyed by all. At this point the meeting was adjourned so all could enjoy homemade pumpkin pie and other goodies served by Ruth and Charles Sketchley.

Respectfully submitted

Bernhard Cohen, K2OJX
Recording Secretary