

CROSS



TALK

VOL #3

NOVEMBER 1961

NO. 11

Editor
Publisher
Printing and Circulation

Woody Frantz K2AOL
Paul Walton W2YNR
Eric Walton WA2FMO
David Walton

CONTENTS

NEWS AND ANNOUNCEMENTS
COMPATIBLE SINGLE SIDEBAND
ARRL NOTICES

Woody Frantz K2AOL
Woody Frantz K2AOL
Della Parker W2AFZ

CLUB OFFICERS

President	Jim Peck W2LWV
Vice President	Jack Sterner W2GOK
Secretary	Paul Walton W2YNR
Treasurer	Horace Simpson W2JOZ
Corr. Secretary	Della Parker W2AFZ

BOARD OF DIRECTORS

Milt Goldman WA2EGR	Tad Deuber W2GIX	George Stuart K2SOL
Mal Mason W2MID	Van Turner W2KE	Chas. Sketchley K2POD

Send all material to Woody Frantz K2AOL

CLUB MEETING

The program for the Nov. meeting of the Gloucester County Amateur Radio Club will be a film on the new RCA 7362 Balanced modulator tube. The meeting will begin at 8:00 pm on Nov. 1st at the Owens-Illinois clubhouse. This meeting and the Dec. meeting are very important because we will nominate candidates this month and next month complete the nominations and elect our 1962 officers, and 2 directors. The terms of directors Chas. Sketchley and Geo. Stuart will expire at the close of 1961. Be sure to attend these two important meetings and give thoughtful consideration to your choice for nominating and electing of officers for the challenging year of 1962.

W2PAK Gordon Cooper presented a talk and demonstration on ham radio to the Gibbstown Boy Scouts on Oct. 6th.

Bill Dockman W2VBE is a new member of the club. Everyone wishes you a cordial welcome to the club.

K2IG Herb Brooks our SCM honored us with a visit at the October club meeting. He gave a little talk urging us and other clubs in the area to visit each others club meetings. Herb also asked for the support of the ARRL and begin some activity in the ARRL.

Lee Aurick K3QEX presented a very interesting talk on the History of Ham Radio in terms of the laws and regulations as they changed from the beginning of the century to the present. This was one of the best and most interesting programs we have had. Those of you who missed this really missed out. Our thanks to W2GON Jack for providing the excellent programs. Lee concluded that we could loose our privileges as hams. We should contribute to the betterment of our hobby and justify to the public the need for our existence.

CD

The regular Friday night CD drills will begin again at 9:30 on Oct. 27th and continue every Friday until next Spring. Van wishes to thank the following hams for the help they have provided in the moving of the CD radio operating positions to the new quarters: Ron WA2KMY, Al K2ELA, Don K2UWC, Allen W2RFO, Bill WA2LSI and Roy K2GHZ.

W2HMD Hal Mason has passed the general class test recently. Hal has been trying for some to make the general grade.

CODE CLASSES

The new club sponsored code classes at the Pitman High School have a total of 20 students enrolled. 13 students are taking the general class course and 7 are in the beginners class for novice license.

BOARD OF DIRECTORS MEETING

The directors meeting scheduled for Oct. 16th was not held because a quorum was not present to legally hold a meeting. Those present were President Jim Peck, Corr. Secretary Della Parker, Director Tad Deuber and Director Mal Mason.

11/61

COMPATIBLE SINGLE SIDEBAND (CSSB)

The proceedings of the Institute of Radio Engineers for Oct. 1961 has a paper presented by Leonard R. Kahn of Kahn Research Laboratories Inc. describing a new compatible single sideband system. This company is one of several throughout the world who are searching for a more desirable system of SSB than the present one with its high cost and inherently high distortion. The proposed system is primarily intended for broadcasting to provide improved fidelity in the present 10 Kc wide broadcast band channels. However, it maintains all but one of the advantages of the contemporary SSB plus being compatible with AM receivers. The one disadvantage is that it is not quite as impervious to selective fading as present SSB. The author has stated that an ordinary AM receiver performs better with CSSB than with AM. The new system also makes mobile CSSB very practical for communications. The big advantage cost wise is for radio stations who now have AM equipment. There are no changes necessary in the transmitter. Even the AM modulator is used with CSSB. Class C amplifiers with their higher efficiency than linear amplifiers are used as in all AM and CW transmitters. This means that no heterodyning is needed in the SSB generator to operate on all bands. Another possible advantage should be that of greater equivalent peak power. For example a 1000 watt ham rig: SSB has a peak of 2000 watts on one sideband, For the AM 4000 watts peak for two side bands and for CSSB the equivalent of 8000 watts peak power as compared to the AM rig.

The equipment required is a standard SSB exciter without the output on all bands feature. However, in place of the all band feature there are some other additions needed, but not to the extent that a CSSB exciter will cost any more than the present SSB exciters sold on the market at present. I am sure that there will be some construction articles in QST or CQ within the next year that will aid those who are interested in this advanced type of SSB.

de K2AQL

ARRL NOTICES

Cambodia, Indonesia (PK) and Vietnam (3U3) remain on the "banned" list, three countries that have filled objections with I.T.U. (under Art. 41, par.1) to radiocommunications between amateurs of the U.S.A. and these countries. FCC monitors have to enforce such treaty provisions as well as the FCC rules for our service.

For 'operator notes': W6DYQ suggests that in the five and dime is a useful article known as a fun slate. It can be written on and erased by pulling up the top sheet of transparent plastic. He found one excellent for jotting notes as a QSO proceeds. No paper or pencil consumption in this operation. ONE CAUTION: Don't pull up the plastic when messages are thereon - use message blanks, for record matters.

Small paper this month isn't it. Well it would be larger if we had more people writing articles for the paper. If you have anything that would be good for the paper jot it down on paper and give it to me (K2AQL) at the club meetings. "

DON'T FORGET TO BUILD SOMETHING FOR THE HOME BREV' CONTEST AND BRING IT ALONG WITH YOU FOR THE DEC. MEETING.