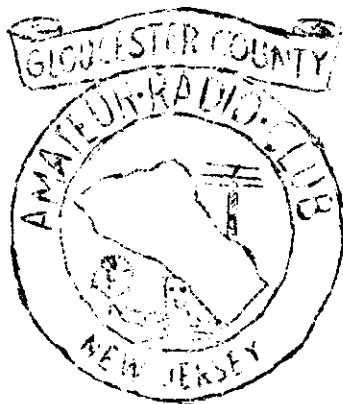


CROSS



TALK

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Corr. Secretary Della Parker W2AFZ

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Send all material to Woody Frantz K2AQL for CROSSTALK

FLASH ! ACHTUNG ! NOW HERE THIS ! EXTRA !

THE CLUB MEETING HAS BEEN CHANGED FROM OCT. 4TH TO TUESDAY OCT. 17TH.

The GLOUCESTER COUNTY AMATEUR RADIO CLUB INC., meeting will start at 2000 hours (8:00 PM) in the club room of the Owens-Illinois plant in Glassboro on the 17th of Oct. Lee Art will present an interesting talk on THE HISTORY OF HAM RADIO. This should be of interest to every red blooded american ham who has ever been QRM'd.

CODE CLASSES TO RESUME OCT 10TH

The code classes will begin again this year at the Pitman High School in rooms 106 and 107. The classes will start at 7:00 PM on Tuesday Oct. 10th and continue every Tuesday night until next spring. There will be two classes this year. One for novices and one for general class code speeds. Anyone is welcome to attend the classes regardless of whether they live in or outside of the county. The code course is free of charge at all and is a public service of The Gloucester County Amateur Radio Club Inc. for the benefit of the Delaware Valley.

NEWS

The large club pennants displayed at our Hamfest were prepared by Milt Goldman for the club. Milt said he would make some more if we can obtain some large sheets of sail cloth. So if you have any sail cloth or know where some can be obtain, let Milt know about it.

K2UUY Frank has recently erected a tri bander beam. W2AFZ Bella has a tri bander and needs some help to erect it.

W2SUA Woody(the tall one) has purchased a new QTH in Sewell. Woody will be needing some help also when he moves that beam from the Pitman QTH to the new QTH.

HAMFEST

The Hamfest was even a bigger affair then the one we had last year. There were a total of 126 hams registered and approximately twice that many women and children present. The total funds collected was over 145 dollars.

CD

The new CD radio room at the county court house is in the final phase of being completed. The refinishing of the one room is all that needs to be done. This should be completed and ready for installation of the radio gear by the week of Oct. 8th. The CB headquarters will be in the front of the old court house building in the basement. It is accessible from an outside basement entrance on the north east corner of the building. The CD headquarters consists of two rooms. One for the CD officials and an adjoining room for radio communications.

W2KE has informed us that there will be some changes in the assigned frequencies for the CD nets. For the present, 10 meters will remain at 28.57 Mcs. This, however, may be changed later so don't buy any 28.57 crystals now. The present 6 meter frequency will remain at 50.52 until Jan. 1, 1963.

CD (cond.)

For 2 meters the new frequency will be 147.24. This new 2 meter frequency will go into effect as soon as crystals are obtained in large enough quantity to make the change feasible.

CD BUS

Progress on the CD bus project will be back in high gear soon. The painting and repairs are nearly completed. The next step is to install the operator positions.

Since the funds for the bus project have been withdrawn due to the shortage of county funds for other departments as the result of the extra expence of snow removal last winter, we are trying to provide radio gear for the bus by scrounging whatever we can. So far some enterprizing and loyal to the cause type of hams have made some great progress. W2KE and K2GHZ have obtained one low band, four high band stations and five mobile transmitters. Van states that there is a lot more of this type of gear that we will possibly get later. All of this equipment is wide band FM. The PEC has OK'd its use for CD purposes only. This equipment will provide additional communications channels for us. By having a base station in the bus and one at the CD center for 6 and 2 meters we will have two more channels beside the ones now in operation. It may be well to define high band and low band for those who perhaps are not familiar with these terms. The low band is just below 6 meters around 48 to 49 Mcs. and the High band is 148 to about 152 Mcs. As you can see it should not be too much trouble to retune this gear into the ham bands of 6 and 2 meters. Some thought has been made concerning the possibility of converting this gear to narrow band FM, but it was considered at this time to be too difficult to undertake. The mobile units will be issued to hams who are willing to prepare them for mobile operation in their cars etc. and provide some means for receiving. For further details come the club meeting on Oct. 17th for complete details.

PSE QSL TNX

Several non-members complained to us at our Hamfest that they are having trouble getting QSL cards from some of our members. One ham stated that he has worked about 15 of our club members and so far has recieved QSL's from three members. This is a condition that should not exist. If our club is to gain the respect of other clubs and hams in general, we as a group should work together to establish good public relations with everyone concerned. So please QSL all hams who are interested in qualifing for our certificate. There should be added effort to return QSL's for hams outside of our club. We should feel honored that these hams are interested in our club certificate. So don't let both them and the club down by not QSL'ing promptly.

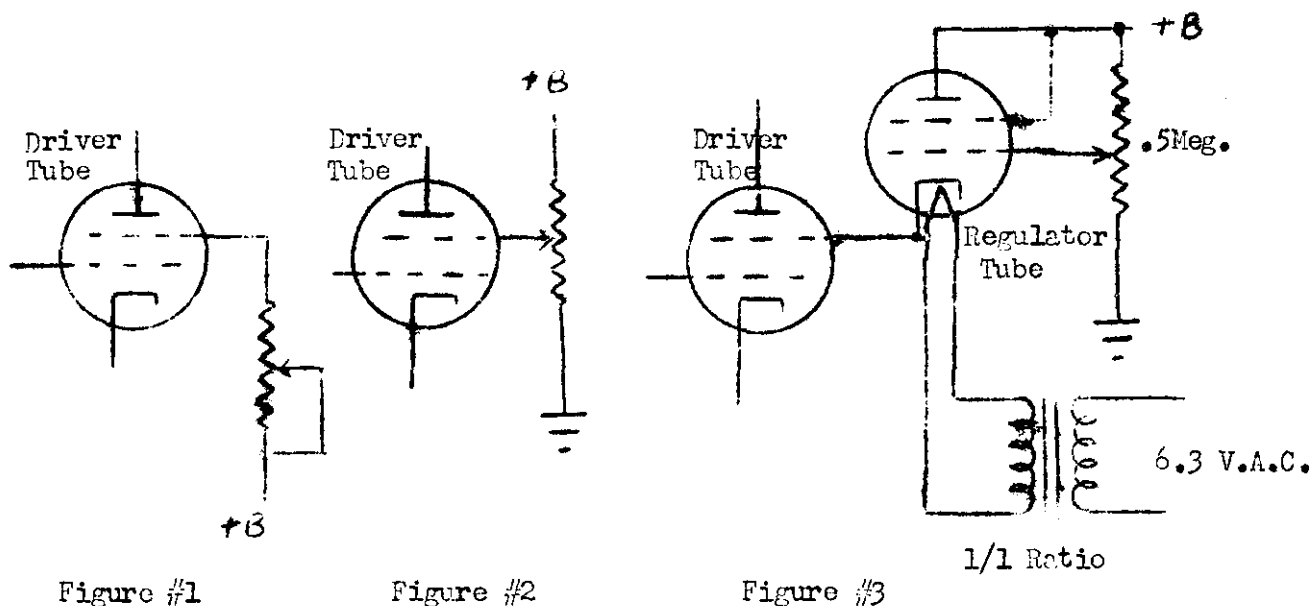
SWAP AND SHOP

Antenna rotator	Cornell-Dubilier	Ham-M	\$80
Tri-Bander Beam	Mosley	TA33	\$75

Contact Frank W2STW

EXPERIMENTAL SCRATCH SHEET

On occasions there arises by hams who build their own rigs etc. a need for a voltage control device. Such devices are used to control the output of a driver stage to avoid over driving a final amplifier. The circuits of figures 1 and 2 are usually employed in the screen grid of the driver stage to provide the desired control. However, it is often a problem to find a potentiometer of the correct resistance and wattage rating. Also, the control of the screen voltage is not linear or is too narrow in voltage range to maintain the proper control of the drive to the final on all bands. Some time ago I was faced with this problem on my rig. So here is the solution I came up with. The circuit in figure 3 is very much like the regulator circuit used in many regulated power supplies on the commercial market. Most of the parts can be scrounged from that now famous junk box. The separate filament transformer is needed if you plan to use this circuit above plus or minus 90 volts. 90 volts is the heater to cathode rating of the tube. However, even this is no problem. A 6 volt 1 to 1 ratio transformer can be home brewed from almost any small transformer in the junk box. 40 turns of #18 wire on the primary and the same number of turns of #18 wire for the secondary works very well in my rig. Connect the primary to the filament circuit for the other tubes in the rig. Of course if you want to loose your ham status you could go to the radio store and buy an ordinary filament transformer. The 500,000 ohm potentiometer is a linear 2 watt type. I am planning to also use this circuit in a small supply as an auxiliary output for a grid oscillator and experimental breadboard work. The maximum current output is the current rating of the regulator tube. Tubes that can be used for regulators are such tubes like the following: 6AQ5 6V6 6L6 807 6AS7 and many more that can handle the current you require.



Minutes of the Board of Directors Meeting
Home of W2KE
Sept., 21, 1961

Present:

W2MMD	W2PQD	K2AQL	W2MFR
W2LVW	W2JOZ	W2AFZ	
WA2ECR	W2CKX	W2KE	

The meeting was called to order at 8:05 P.M. by W2LVW
The minutes of the previous meeting were read and approved.

The treasurer reported a balance of \$351.47. This is the new balance, and includes corrections by the auditing committee. Another audit will be made in December. The treasurer requested that outstanding bills be presented at the regular meeting. The president agreed to follow this procedure.

Committee Reports:

Membership: The application of WV2VEE was reviewed and it was moved, seconded and passed that he be admitted to membership.

Awards: None. W2LVW reported that complaints had been heard at the Hamfest about the lack of QSL's from club contacts. This point to be made at the regular meeting.

C.D. : W2KE reported that the new control center is nearly ready and will probably be on the air soon. Mr. Liebfarth is painting the C.D. bus and has offered a trailer for use, as a generator carrier etc. K2GHZ and W2KE purchased six 150 Mc. transceivers for conversion to 144 Mc. These will be issued to C.D. members for mobile use. Some more may be available.

License Committee: No action.

Ham Shack: No action.

Ham fest: K2PQD reported for Harry Parry that 126 tickets had been sold. He thanked all participants. Several bad situations were pointed out:
cuff links etc. with initials.
half price keyer from Vibropex.

A change in Hamfest date was discussed, but it was decided to leave this up to next years committee.

New Business ;

The suggestion that local business men be solicited for CrossTalk advertising was discussed. It was decided that this was beyond the scope of the paper.

W2KE reminded the Board that the Birthday party was approaching. W2MMD will look into possible dates.

WA2ECR offered to make large club insignia if someone will donate the sail cloth. W2LWV at this point thanks WA2ECR for the banners he has already given us. We used them at Ham fest.

W2JOZ suggested that a method be standardized for receiving new members. He suggested that no money be turned in until regular club meeting. This will be the regular procedure.

K2PQD pointed out that it was time again to plan for the club's annual gift to Owens Illinois. Several were suggested, such as kitchen utensils, and chairs. This matter will be taken under consideration.

~~by~~ Secty. made an error in typing order and will now return to Committee Reports.

Hamfest (Cont'

W2CKX had difficulty with the park management. He will detail this in his report.

Special Events: W2KE reported that there is a chance that the Tri county meeting may be considered again.

Publicity : None

CrossTalk : W2LWV requested that CrossTalk issue early to announce the meeting change. After some discussion it was agreed to have the Secty. send out cards.

Old Business:

The board O.K'd the purchase of two code practise oscillators and keys for the code classes. Two classes are scheduled to start next month.

The meeting was adjourned at 9:32 PM. W2KE's XYL served refreshments.

Respectfully submitted

W2YNR