



CROSSTALK

OCTOBER 1965

VOL. 7 NO. 10





DX, RAG CHEWING, ETC. ARE FINE but...
IS YOUR STATION BEING OPERATED IN THE
PUBLIC INTEREST?

ARE YOU WITH IT?

CORK THOMSON
by.. WA2TSD

How much longer do you think we will be able to retain all of our amateur frequencies before they are gobbled up by commercial interests? Ten years, five years, maybe even less? The part that each one of us play right now, TODAY, will determine to a large extent on how much longer we will be able to continue to enjoy the amateur bands.

Do you participate in any worthwhile project of public service that benefits anyone other than yourself? Or do you merely operate for your own pleasure, disregarding the fact that we might not be operating at all, unless we prove our worth. Sure DXing is fun, and just plain gabbing can't be beat but are you devoting anytime at all to something that is in the PUBLIC INTEREST?

The public in general, sometimes regard hams as just plain nuisances...it's up to each one of us to help change that picture. Let's get John Q. Public on our side now, before we find ourselves in a spot where public opinion could do us harm.

There are numerous ways for the average ham to enhance the position of amateur radio in the public eye. RACES and AREC offer excellent opportunities for you to do your part. Why not consider contributing at least 10% of your operating time to a worthwhile project!

In 1963 there were over 300 established CB clubs in the country, representing more than 15,000

Do you know what PICON means? It's an FCC coined word that stands for PUBLIC INTEREST CONVENIENCE OR NECESSITY! A rule of thumb that the Commission uses to determine frequency allocations and the issuances of all licenses.

CBers. These clubs range all the way from 12 to 350 members. They are working with Civil Defense, Police Departments and nearly all involve themselves in some type of community activity. Most maintain some sort of emergency program or team. Are we willing to slide into the background and let a bunch of would-be-hams take the lime light?

GCARC has made a good start with the public relations committee to let the rest of the world know what we are doing...now let's do something worth talking about! It's only through the willingness, interest and enthusiasm of the individual ham that will decide the amateur's status.

Make sure that you are doing your share...and if everyone pitches in all will be able to rest assured that we will enjoy many more satisfying hours on the amateur bands. By the way, as an extra bonus, you'll enjoy the satisfaction of knowing that you are doing something that will benefit others.

RENEW ARRL MEMBERSHIP THROUGH GCARC

CROSSTALK

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EDITOR

Jack Layton K2JKA

PUBLISHER

Clif Brown WA2KGD

CIRCULATION

Sid Gantz WB2JRU

M E E T I N G N O T I C E

The regular monthly meeting of the Gloucester County Amateur Radio Club will be held on Wednesday October 6th at the OWENS-ILLINOIS CLUBHOUSE in Glassboro New Jersey. Meeting time is 8 PM. After a short business meeting there will be a WHITE ELEPHANT SALE. Members are urged to attend; visitors are always welcome. Refreshments will be served as usual.

ARRL MEMBERSHIP DUE TO EXPIRE SOON? IF SO WHY NOT RENEW IT THROUGH THE CLUB. GCARC MAKES 50¢ ON ALL RENEWALS MADE THIS WAY AND BESIDES ITS CHEAPER FOR YOU! YOU SAVE THE COST OF A STAMP. SEE W2LVW.

de K2JKA

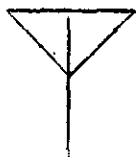
Sometimes we wonder if it is worth it...that is trying to keep an organization such as GCARC functioning. Here we go again on the same old kick; apathy on the part of a great majority of club members. A few months back we stated that it would be nice to devote the October issue to the topic of antennas and we asked for some material...we got one article. Surely the technical caliber of our club is such that we should be able to scare up more than this...on the other hand maybe not. For the past several months we have begged for someone to go through the past minutes and write a history of the club to be run along with pictures for a special issue of CROSSTALK to be run on an offset press...no takers consequently there will be no special issue and no pictures. For several years GCARC has run code and theory classes at one of the local high schools for the benefit of newcomers to ham radio...this year we can't even get a code instructor. Last call...no instructor no classes.

While we are still on the dim side

(continued on page 5)

101 WAYS TO USE A TOWER (well several anyway!)

ANTENNA IDEAS



That tower in your back yard no doubt set you back many \$\$\$\$ and there it is just holding up a single antenna...what a shame! Here are some ideas set out that will help you get your moneys worth.

YOU DON'T OPERATE 75 and 80 METERS...oh you don't have the room for an antenna. Ever thought of an inverted vee? That tower in the back yard that supports the lone 3 element 10 meter beam would make an excellent center support for the inverted vee. Make sure that all feed line(s) come down to the base of the tower and are burried; and that all guy wires are broken up with insulators and you are all set. 125 feet of wire with it's center supported at or near the top of the tower will make an excellent low band radiator. The ends can come right down to the ground and it can be fed with a length of coax! As a matter of fact you can even use the antenna for guy support on the tower!

A LOW BAND VERTICAL can also be made from the tower. A 40 ft. tower with a beam on the top for a loading cap will do a pretty good job on the 80 meter DX. Just add some radials around the base and get a length of 1/2 or 5/8 inch tube for the gamma match and you are all set.

A VHF HALO OR GROUND PLANE can be side mounted on the tower. Observation has shown that the radiation pattern of a side mounted antenna isn't affected too much by the mass of the tower in close proximity.

A GROUND PLANE FOR 20 can be added by installing a 16 ft. length of 5/8 tube on top of the 10 or 6 meter beam. This tube must be insulated from the tower. Some U bolts and a couple of the huge surplus insulators that are available will do this nicely. The beam then serves as the radial system for the ground plan. It can be fed with coax. The results are surprising! The same could be done for 15 meters with a change in the length of the tube.

GOTTA BIG TREE NEARBY? If so then the tower can also serve as an end support for a dipole on another band.

WHY NOT MOUNT THE ROTATOR ON A PLATFORM inside the tower and extend a piece of pipe through a bushing to support the beam? It is a lot easier to install and remove a beam this way. The platform should be removable so that the pipe can be slid down to the top of the tower to get at the beam.



C O N G R A T U L A T I O N S

are in order for Sid Gantz WB2JRU, GCARC member and CROSS-TALK circulation manager upon his passing the CONDITIONAL CLASS exam. Now in addition to 6 and 2 meters Sid is active on 75 meter SSB. Sid has been confined to bed as the result of an injury that he suffered several years ago.

GE INTRODUCES NEW HOBBY MANUAL

Want a light that dims gradually at a pre determined time? An airport receiver that lets you evesdrop on conversations between the pilot and tower? A second ignition system that improves gas milage and assures quick winter starts?

The General Electric Company's Electronic Components Division has just introduced their new hobby manual that tells you how to build these and many other interesting gadgets. This 200 page digest of projects for the car, entertainment, home, camp and workshop is now available from your GE distributor or from the G-E Warehouse, 3800 North Milwaukee Avenue, Chicago Illinois. The cost is \$1.50

"QUOTEABLE QUOTES"

Early to bed and early to rise will get you more Asians, brother...get wise.

What this country needs is a good 5-cent low pass filter.

Dont give up the frequency.

Go west young lid, go west.

Never have so many been QRMed by so few.

(source; an old issue of QSE)

de K2JKA (from page 3)

of things we will mention that the October meeting will be the last meeting that we will be able to hold in the OWENS ILLINOIS CLUBHOSE. A meeting place for the November and December meetings has been found...after that who knows where GCARC will be.

One bright spot in all of the clouds this month is the fact that recently ve-hon-ed joined the AMATEUR RADIO NEWS SERVICE, an organization made up of editors of ham club publications, and we just received the edition of their very fine bulletin. We are looking forward to this arriving every month at 545 Barlow!

Sometime during the month of October the Nominating Committee will meet to select a slate of five officers and two directors that will run in the December election. Nominations from the floor will be accepted at the November and December regular meetings. Have you given any thought to who your candidate will be? Even more pressing, have you given any thought to being a candidate?

LIFE IS PRECARIOUS. Here we are living on one plate of a condenser that is charged to a potential of 100,000 volts. This is the voltage difference that exists between the earth and the upper stratosphere as established by USAF measurements.

AREC SESSIONS IN FULL SWING

Friday night AREC sessions are now back in full swing on both RTTY and AM on six meters. The RTTY net meets at 7 PM on 50.8 and the AM net at 8 PM on 50.9 A full schedule of activities is planned for the coming winter months. All are invited to join in.

SELECTED PORTIONS OF PENDING

FCC DOCKETS

from the _____
ARNS Bulletin _____

In the Matter of)

DALE A. HOPPE)
Culver City, California)

Docket No. 15927

Order to Show Cause Why the)
License of Amateur Radio)
Station W6VSS Should Not be)
Revoked.)

In the Matter of)

Robert B. Cooper, Jr., Trustee)
HORIZONS PUBLICATIONS AMATEUR RADIO CLUB)
Oklahoma City, Oklahoma)

Docket No. 16144

Order to Show Cause Why the)
License of Amateur Radio Station)
WA5FWJ Should Not be Revoked)

In the Matter of)

WILBUR GERHARD)
Allentown, Pennsylvania)

Docket No. 16044

Order to Show Cause Why the)
License of Amateur Radio)
Station W3PHF Should Not be)
Revoked.)

SO YOU ARE UNDER THE IMPRESSION THAT ANYTHING GOES ON THE
AMATEUR BANDS THESE DAYS! SO WERE THESE PEOPLE....AND OTHERS.
RULES ARE MADE TO ABIDE BY. IS THE OPERATION OF YOUR AMATEUR
RADIO STATION IN COMPLIANCE WITH THE RULES AND REGULATIONS
OF THE FEDERAL COMMUNICATIONS COMMISSION? IF NOT BETTER
STRAIGHTEN IT OUT BEFORE A CREETING SIMILAR TO THE ONE ABOVE
WITH YOUR NAME ON IT SHOWS UP IN YOUR MAILBOX!

NOTICE

-TO ALL VISITORS-

WHAT YOU ARE ABOUT TO SEE IS AN AMATEUR RADIO STATION LICENSED BY THE FEDERAL COMMUNICATIONS COMMISSION. BEFORE YOU ASK THE QUESTIONS HERE ARE THE ANSWERS:

1. The total cost of the equipment was \$_____.
2. No, we can not send a message to your brother in Hong-Kong; suggest that you call Western Union.
3. This is strictly a hobby, we do not have the facilities or the time to fix TV sets and HI-FI sets; suggest that you see a serviceman.
4. Yes, the antenna in the back yard is necessary for the proper operation of the equipment.
5. The farthest station that we have contacted has been in Ubangiland.
6. The cards on the wall are called QSL cards.
7. Oh no, never does this equipment interfere with the operation of Television sets!

ALSO

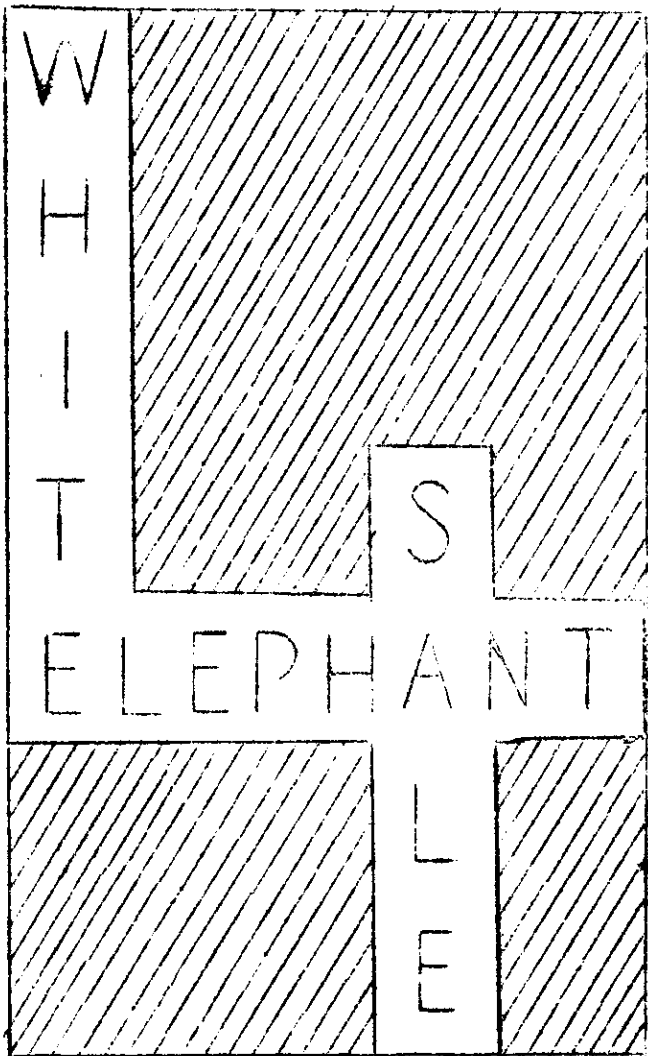
IF YOU ARE INVITED TO SPEAK ON THE MICROPHONE PLEASE OBSERVE THE FOLOWING RULES:

1. Speak in a low and soothing tone
2. Do not disagree with me in any manner
3. Say no bad words or tell no off color jokes

FURTHERMORE

DO NOT TOUCH ANYTHING, TURN ANY KNOBS, SIT ON EQUIPMENT, ETC.
WE LOST SEVERAL VISITORS BY ELECTROCUTION IN THE PAST FEW MONTHS.

cut on line and place on hamshack door



HI...I'M EGGHEAD THE FRIENDLY ELEPHANT...I'll be at the GCARC meeting on Wednesday October 6th for the annual WHITE ELEPHANT SALE...will you. As usual there will be plenty of real good buys and as an extra bonus this is the opportunity for you to clear out the ham shack of any usable items and help the club at the same time. Oh come on, you'll never use that extra microphone and all of those rectifier tubes...bring them to the sale.

You've got a receiver that you want to get rid of but can't afford to give it away? Bring it and if we can sell it for you (not at auction) the club will only take 10%! Most of all bring \$\$\$ so that you can cash in on the many real good buys that will be up for auction. In years past microphones, transformers, etc. that were donated to the club by it's members sold for a small fraction of their worth. YOU just can't afford not to come! C U there.

-73-

Egghead

FREE ELEPHANT RIDES FOR THE OM'S!

\$\$\$-\$\$\$-\$\$\$-\$\$\$
KEEP GCARC GREEN

