

GCARC - 1970 (VIP PAGE)

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AUGUST CLUB MEETING IS AUGUST 5 - 8:00 P.M. AT THE CLUB ROOM.

AUGUST MEETING - AUGUST 5

The summer doldrums are upon us, apathy and lethargy have set in, the humidity is high, the kids (home from school all the time now) are getting to us; let's chuck all this over for a nite out in the quiet, peaceful, air-conditioned (the windows will be open), congenial atmosphere of our club room where good ham fellowship and a 30 min. film on New Jersey will provide a program of relaxation and entertainment. Hold off on that vacation to the shore until August 6th!! See ya there!

"FIELD DAY GREAT SUCCESS" (WX BALLOON A BUST!)

FD, 1970 weekend is now history -- but the memories will remain with us for months ahead. The picture of 4 or 5 gallant hams attempting to harness the powers of mother nature -- the battle fought between the laws of Boyle and Archimedes on the one side and the gentle 35 mph zephyrs on the other! Whereupon the entire struggle was brought to an abrupt finale when WA2NPD, with one gentle flick of the wrist (knife point) expelled in 4 microseconds the labors previously exuded in harboring about 2500 lbs. of reagent grade helium within the neoprene confines accompanied by a loud report which, combined with the forces of expelling a confined mass of highly volatile vapor, straightway caused chairman WB2JZX undo embarrassment as the local Courier Post photograph depicted his prone form outstretched and, for all intents and purposes, poor John appeared to have met his maker. Nevertheless, our stalwart prexy, W2FBF, who originally conceived of the balloon antenna, rapidly procured a second balloon, and due to the foresite of WA2VEE in re only 1 tank of gas (he brilliantly had 2 delivered) enough petrol remained to inflate again whereupon the same forces engaged in furious combat a second time. However, one snarl of contempt from WB2WAK and, once again, the proportionate composition of air in the immediate vicinity of the Pitman C.C. was once more unbalanced -- the rare gas helium outstripping mother oxygen, etc. Next time we shall all pray for calm, calm, calm. All stations were go, however, as a fine score was racked up, and, with only occasionally QRM from the novice station of WN2OVQ and WN2OLS housed inside a really 1st class trailer, other problems were insignificant. Lifesavers Joan and Rose (Mrs. WB2JZX and WB2WAK respectively) saved the starving ops from complete collapse, for which all were most grateful. We had great participation this year -- almost every club member put in an appearance of, at least, some sort. Chairman WB2JZX did a fine job and thanks and congratulations are due to all band chairmen and ops.

The unofficial score is as follows:

| <u>Chairman</u> | <u>Band</u> | <u>Points</u> | |
|-----------------|-------------|---------------|----------------------------------------------|
| WB2FJE | 80 M | 2970 | |
| W2FBF) | 40 M | 2844 | |
| WA2WAK) | | | |
| WA2EOB | 20 M | 1776 | This is 1796 points better than 1969. FB. |
| WB2PGE | 15 M | 258 | |
| WB2RVE | 6 M | 330 | |
| Total | | <u>9578</u> | |
| with bonus | | | |

CLUB PICNIC - 1970

About 35 - 40 faithful gathered for a day of fun at Lake Garrison on July 18th. Unfortunately your scribe was unable to be there so that a first-hand report is impossible. Nevertheless, second-hand reports state that a good time was had by all. There were prizes for everyone, and WB2GKH and WN2OVQ handled everything in 1st class fashion: See you all next year. Understand that Pat, WA3FDW of PJYL came with her BF. Hpe to see her agn.

DX ADVICE - FROM W2SUA

Do you want to help the QSL manager speed that card to you? Then put the call, date, and time in GMT on the lower left of the letter you mail to the manager. This lets him file your contact in the order it was made. SASE (self-addressed stamped envelope) is a MUST or SAE and IRC's.
Sample: 3V8AL 7 Feb 1726z z is short for GMT.

Ed. Note: This is excellent advice Shorty, I know (as probably do some others) from 1st hand experience.

ARRL BULLETIN NR281

Amateurs using the 50 MHz band are asked to look for OX5AP, Thule, Greenland, who is making five minute transmissions on the hour, from 2200 to 0200 GMT daily. These transmissions are on 50.15 and will continue through this year, except for the period of August 5 through 14. He will listen for 6 meter signals in the five minutes after each test. OX5AP is available for 14 MHz schedules between 2100 and 1100 GMT. Please report any reception or two way communication on 50 MHz to ARRL.

AR 280 - FCC on July 1 acted on its Docket 18802, adopting a new schedule of higher application and license fees. This action was taken despite strong protests from nearly every radio service. For example, the ARRL opposition statement appears on page 80 of June QST. The new fee schedule becomes effective August 1, and is as reported on page 82 of April QST.

LES BELLES

By WA2FGS - Rose Ellen

As my first experience with the annual Powder Puff Derby, the ALL-WOMAN TRANSCONTINENTAL AIR RACE, a cross country race for stock, fixed wing aircraft of not less than 45 horsepower and not more than 450 horsepower for take-off, I hope to share the thrill with readers of CROSSTALK. The race is flown in daylight hours and under favorable weather conditions only. The winner is judged from the plane which averages the highest ground speed in relation to its PAR SPEED or the miles per hour assigned to each make and model based on figures available from the manufacturer's data.

The 24th Annual Derby covered 2760 statute miles from Monterey, California to Bristol, Pennsylvania - July 3 to 7, 1970. Of local interest we had Jerry B. Roberts (TAR #17) from Haddon Heights, N. J. finishing in 62nd place and one of the route surveyors, (a member of the NINETY-NINE'S, INC. who sponsor the race) Mrs. Alice H. Hammond of Millville, N. J. Finishing in Place #1 was Margaret Mead, pilot and her co-pilot Susan Oliver in (TAR #18) both from California. (TAR means Trans-continental Air Race).

The entire race is covered by various ham radio stations throughout the United States working on a relay system on the same frequency. This year we used 72.72 for the frequency on the relay set up and also had one yl operator, WA3ATQ, operate from her home using 15 meters to cover the west coast and then relaying take off information to myself and W3TNP operating from the terminus at 3-m airport in Bristol, Pa.

The relay stations were situated as follows: Terminus Bristol, Pa. using club call of PJYL-WA3MOI/3 (8 operators from the club); Morgantown, W. Va. using club call of Monongahlia Wireless Asso. -WA8UCB; Louisville, Ky.; Dyersburg, Tenn. where Southwest Mo. ARC used KØLLJ; Hutchinson, Kan. ARC using KØSHB; Colorado Springs, Colo. where yl "Rosie" and Pikes Peake ARC operated atop the peak using WAØMNL in a Van; Farmington, N. Mex. where Totah ARC used K5TVC; Page, Ariz. ARC using W7MSC; Las Vegas ARC using W7VYC; Fresno, Calif. ARC using SB6ZBX and at the start Navy Post Graduate ARC at Monterey, Calif. using W6OII. Our service was used to log departures and arrivals and to pass traffic from friends of the pilots and also to log where each pilot remained overnight. The hamshack was more or less like grand central station as each group came in the shack to send messages to her family of safe arrival before continuing on to the headquarters at Holiday Inn in Trenton.

It was an honor to be selected as Terminus Chairman and also a great pleasure to witness the planes passing over the "fly-by" at 250 MPH before circling to land. In the entire race no mishaps were encountered.

This is just another phase of operation in ham radio where women are there on the job passing messages to and for other women up there in the sky flying across country.

WIRELESS HEADPHONES

by Rick, WN2OLS

What happened the last time you had your headphones on and the doorbell or phone rang? RIGHT! You jumped up and nearly ripped your ears off! You say you have a 50' cord hooked on them? Then, naturally, the cord gets wrapped around your feet and you end up flat on your face. Most likely this has never happened to you but it shows what could happen. An easy way to prevent this is to make your head-set wireless. The unit described will allow you to walk from room to room and still hear everything you normally would with a direct hookup. It also serves as a wireless extension speaker.

If you want your whole house covered, take some #22 enameled wire (or larger) and string it along the outside walls in the attic and basement, then connect these loops in series, and hook your receiver output to the two open ends. This is the transmit loop. Next build the receiver. The amplifier can be taken out of an old transistor tape recorder or bought in a store. The size of the box housing the receiver depends on the amplifier and antenna used. The antenna is a ferite rod with the factory windings removed and wound with 300 turns of #22 enameled wire. If you use a metal box mount the antenna on the outside. I placed a $\frac{1}{4}$ " phone jack in the box for plug-in phones or an extension speaker. When completed you should be able to walk anywhere in your house and hear your receiver.

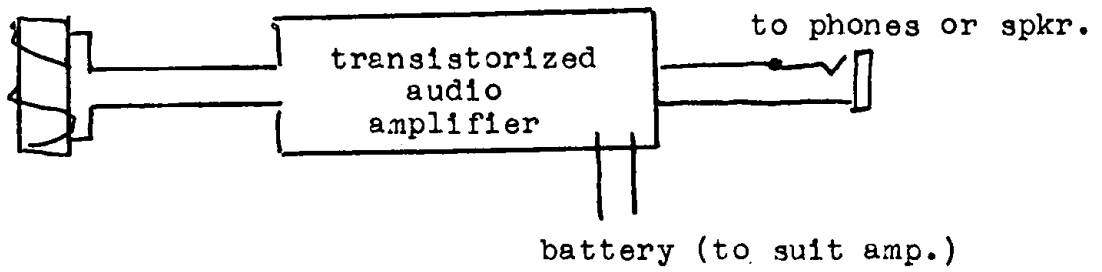
The theory behind the unit is simple. L-1 (Fig. 1) acts as a transformer primary. L-2 acts as the transformer secondary. The signal inducted into L-2 by L-1 is amplified to normal listening level which is controlled by the receiver volume control. If you get distortion or low volume, try adding some turns to the ferite rod antenna.

So now, you can keep the XYL happy and sit in the living room and at the same time keep an ear on the airwaves. If you have any questions on construction or operation give me a call at 589-4453.

Ed. Note: A real novel idea Rick; also a real FB article!

Fig. 1 - WIRELESS HEADPHONES SCHEMATIC

Ferite rod antenna L-2



L-1

