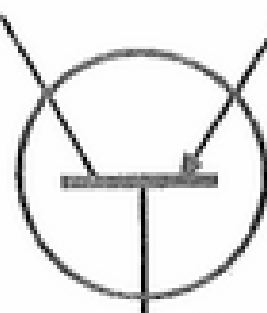


# CENTRAL OKLAHOMA RADIO AMATEURS COLLECTOR AND EMITTER



50¢

VOLUME 10

OCTOBER 1984

NUMBER 117

## Q. R. Zedd

### BORIS AND NATASHA WERE BACK IN TOWN

It was a surprise visit.

What happened, largely unreported by the daily news media, was that Boris Badenov, Russian DX ace, and his secretary from Box 88, Natasha Bullwinkle, came to Oklahoma recently along with a Soviet trade delegation wanting to see if they could trade us three or four defective Bulgarian tractors for a couple of hundred million metric tons of wheat.

Well, naturally the governor and the legislature turned out, along with the Chamber of Commerce and the local Mickey Mouse Club, and this fellow named Yuri Unpronounceable talked about brotherhood and freedom and other things he had just looked up in his Thesaurus, and on the following day the delegation went down to Norman, home of the University of Oklahoma, so they could see how you study energy for the oil companies with a hole in the ground.

One of OU's more famous offices gave Badenov a literary prize for his logbooks, and Natasha was voted the favorite pinup girl by five or six major fraternities.

Then Boris Badenov and Natasha got a ride on the Soonerville Trolley all the way down to Honor Role Ranch, home of the world's greatest DXer, Q. R. Zedd, A5A. We got to ride along, sharing seat space with the AP, UPI, Ham Radio and Pravda.

Zedd, given only a few minutes' warning, met Badenov and Natasha on the verandah, wearing his PROP. OF OU ATHLETIC DEPT. tee shirt, red britches, cream-colored boots, and bronze belt buckle loaded up for 40 meters. His nubile, blond, 20-year-old QSL secretary, Tondelayo Schwartz, was right at his side. She was wearing a short pink dress and five-inch spikes, with her various bronzed DX awards around her neck like a squashblossom necklace.

Up clomps Badenov, in his baggy brown Red Army uniform and fat brown boots, his 14 rows of DX medals shining in the sun, and along slinks Natasha, wearing a skintight black jumpsuit with a hammer and sickle on it just where you would least expect. Her long black hair and slanty green-gray eyes with all the makeup around them provided quite a contrast with Tondelayo's wholesome

American Max Factor look, everyone in the press corps agreed.

Zedd stuck out his hand to Badenov. "Welcome, pardner. It's always great to meet one of the Rooshian boys again."

"Is signal pleasure," Badenov growled, "once again shaking hands with number two DXer of world, Q. R. Zedd."

Zedd blinked but smiled. "Did you say number two, boy? The last time anybody called me that was when it was the number I wore in the Olympics that year I won six gold medals."

"Everyone know," Natasha hissed, "my Boris is number one!" She stroked his arm and glared at Tondelayo.

"Number one," Tondelayo cooed, "in drinking Coors and eating Twinkies."

"You watch out, little capitalist oink, or I will stick you with my knife!"

"Is peace mission," Badenov whispered to his secretary. "Try be cool, da? Remember, Natasha, we got to be nice, get that wheat back to Mother Russia."

"Speaking of cool," Zedd put in, "we have a few cases of Colorado KoolAid on ice inside. You want to --" He got no farther, alas, because Badenov had already rushed by him, church key coming out in midstride.

Inside, with empty cans and Twinkie wrappers piling up like snow in an Aspen Blizzard, Badenov started bragging about some of his recent exploits. Natasha, meanwhile, was honing her dagger on a whetstone taken from her purse, and shooting a few verbal darts at the darling Tondelayo.

"Is pregnant, darling?" Natasha asked. "Or is only putting on more weight?"

"I weigh the same," Tondelayo replied sweetly. "Honestly, honey, I guess you just got mixed up on account of you have to look at your own self in the mirror all the time."

"Is in perfect condition for Soviet womanhood, is my body!" Natasha sprang to her feet, put taloned hands on her slender hips, and posed. "See?"

"You poor little thang," Tondelayo murmured. "Can't you get breast augmentation surgery while you're over here? Ain't it a nuisance, your tee shirts falling right down to your waist when you put 'em on over your head?"

"Watch out!" Natasha hissed, "or I stick you with my knife yet!"

"My goodness, what are you mad about? There are probably all sorts of advantages to havin' a build like yours. I mean, you don't have to walk around in front of the mirror to look at yourself, you can just look in the edge --"

"Capitalist cow, exposing flesh like brazen harlot! You are no better than this big fake, Zedd! All bluster, no luster! All flash, no cash! All brag, no swag! Ha!"

"Now, Natasha, honey," Tondelayo said, her voice changing subtly, "it's all fine and good for you to insult me. I mean, you're a peasant and we all got to make allowances. But I don't take kindly to anybody badmouthing the greatest, finest, truest DXer who ever lived, Mr. Q. R. Zedd. If you get my drift."

"Girls," Zedd himself cut in calmly, raising his voice just enough to stop the scuffling, "let's not have any ruckus here, okay? Anyway, while you and Natasha have been fussing, Tondelayo, honey, ole Boris and me have been talking about how we might settle this question of who's the best DXer, between him and me, once and for all. Do you want to hear about it?"

(To be continued.)



RAY MILLER, W5REC  
SECTION MANAGER

Our Public Information Officer, Bill Foster, NJ5Y reports the following: "The Section's Public Information group continues to grow with the addition of Carol Ann Tierney, WB5SZQ, of Bartlesville. For the past several years she has handled publicity for the Bartlesville ARC and is a welcome addition to the PIA staff. Section PIA's now include WD5IFB, N5BEQ, W4S2NF, KE5EA, WD5JCE WB5SZQ, N55N (and KASUEA, most recent). Anyone wishing to serve their community as a PIA should make application through Bill Foster, NJ5Y, OK Section PIO, Star Route "A", Box 106, Lawton, OK, 73501. Bill would also like to receive your Club Newsletter."

Ladies and Gentlemen, you have been just grand! I have not been able to know of all you have done and get in the OK Section News in QST. Some things are of the heart though, e.g. my prayers for WB5ELG, KE5MT, the families of the reported Silent Keys, jubilation for those that have the good things of life come their way and the working for the betterment of Amateur Radio. My several years in the late 70's and early 80's plus these last four months shall be cherished as a time to remember the greatness of each of you. Thank you!!

#### OK SECTION NET REPORT (August)

OTWN-----27	sess. ---515	c/i---450	msg.---350	wx.
STN-----27	-----509	-----89	-----	
OPEN-----4	-----199	-----10	-----	
OLZ-----31	-----189	-----80	-----	
QCWA #63-4	-----130	-----12	-----	
ONON-----31	-----495	-----132	-----	

## EDMOND AMATEUR RADIO SOCIETY 147.885/147.136

Our next meeting will be October 19, 1984 at Crocketts Barbeque in Edmond and this is on Friday at 6:00P.M. on the Broadway Extension.

We met this month at the Edmond E.O.C. which is very pleasant place to meet since it is well constructed and in general makes you feel good even if it is in fact intended of course for emergency Operations.

We have a new member who is N5GF6 George R. Mastene who lives in Edmond and is a retired postal worker. We all welcome you into the club and if any of us can be of any help, to you George please let us know.

Our repeater appeared to have major problems but thanks to N5BUJ and WD5FEI Bob McCoy and Martin Vinson they found a few defective parts and now our repeater is in good order again and we can all enjoy it's use and advantages.

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146.025 / 146.625 REPEATER

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# THESE CORA MEMBER CLUBS PROMOTE AMATEUR RADIO

1 AERONAUTICAL CENTER ARC  
MEETS: 7:30pm First Thursday Flight  
Standards Bldg., FAA, S. Macarthur  
PR WB5SVN Jack Iman 677-8537  
VP N5ABL Holly Holcomb 799-2539  
Sec WD5JPW Gloria Seignious 722-1740  
Tr WA5CJ3 Bob Pace 376-3569  
EDITOR: Gloria Seignious, WD5JPW 722-1740

2 OKLAHOMA CENTRAL VHF CLUB  
MEETS: 10:00am Third Saturday. Red Cross.  
10th & Hudson (Back door) Okla City.  
PR KD5IS Jerry Wetmore 524-5080  
VP KA5MY Chris Sartorius 728-0058  
SE K5JB Joe Buswell 732-0676  
TR W5KE Ellard Foster 789-6702  
EDITOR: Joe Buswell, K5JB 732-0676

3 MID-OKLAHOMA REPEATER, Inc.  
MEETS: 8:00pm First Tuesday. Okla City  
EOC. 4600 N Eastern  
PR N5EPV Bob Allen Unlisted  
VP WD5ISS Don Saunders 751-0404  
SE N5BEQ Jim Buswell 236-0368  
TR W5KOZ Sid Gerber 737-1050  
EDITOR: Susie Atkinson, KA5FED 842-8014

4 OKLAHOMA CITY AUTOPATCH ASSOCIATION  
MEETS: 7:30pm Third Tuesday. Okla City  
Fire Training Center. 800 N Portland  
PR WB5NDO Kathy Whited 799-1457  
VP WD5CSH Dennis Patterson 495-0769  
SE N5DLN Vicki Adkins 722-6195  
TR KE5M Ron Recer 341-7030  
EDITOR: Kathy Whited WB5NDO 799-1457

5 OKLAHOMA UNIVERSITY AMATEUR RADIO CLUB  
MEETS: 7:30pm Second Tuesday (Sep-May)  
119 Wilson Center. 1334 S Jenkins  
PR KA5BAY Luke Noah 325-1775  
VP KE5N John Wustenberg 325-2382  
SE KA5COI Peter Richeson 329-3217  
TR KA5LZN Greg Smith 366-1641  
EDITOR: Greg Smith, KA5LZN 366-1641

6 ALTUS AREA AMATEUR RADIO ASSOCIATION  
MEETS: 7:30pm Second Thursday  
North Main Fire Station (CD) Altus  
PR W5CCV Joe McDonald 782-3454  
VP  
S/T WA5CBF Loren Simms 477-0921  
EDITOR: Loren Simms, WA5CBF 477-0921

7 BICENTENNIAL (76ers) ARC  
MEETS: 7:00pm Second Tuesday. OG&E Bldg.  
SE 3rd & E. K. Gaylord Blvd.  
PR AE5N Donald Duck 691-4199  
VP WD5JNT Ted Vanlaningham 262-1675  
SE N5AUH Jerry Sproul 354-2061  
TR WA9AFM Tor Webb 737-6716  
EDITOR: Jim Seals, KB5XN 381-2005

9 WHEATSTRAW AMATEUR RADIO CLUB  
MEETS: 2:30pm Second Sunday. Location  
varies. See club section.  
PR KA5DUO Leo Peil 886-2998  
VP WA5FLT  
S/T K5GGL George Maschino 263-7614  
EDITOR: Marvin Stokes, WA5JHB 893-2221

QUARTER CENTURY WIRELESS ASSOCIATION  
MEETS: Quarterly at various places.  
NET: 3855 kHz Sunday at 8:00 am.  
CHM W5NL Fred Boardman 427-2505  
VCH W5TY Ray Long 942-4314  
S/T W5AS Howard Baker 721-5453  
EDITOR: Robert Runyon, AAØO 373-1818

13 KAY COUNTY AMATEUR RADIO CLUB  
MEETS: 7:00pm Third Thursday  
Ponca City EOC  
PR KA5PYG Paul Davis 765-2227  
VP WA5UBO Marsh Pronneke 363-2526  
S/T WBOVHC Harvin Cullison 762-3981  
EDITOR: Dave Land, KD5FX 762-8616

14 CIMMARON AMATEUR RADIO ASSOCIATION  
MEETS: 7:00pm Second and Fourth Mondays.  
Place varies. See club section.  
PR WB5ECM Dennis Painton 764-3599  
VP N5FUP Steve Schoonmaker 886-3274  
SE N5FMH Nadine Painton 764-3599  
TR N5FUR Ruth Simpson 227-2791  
EDITOR: Major Bailey, KI5P 227-2061

15 SOUTH CANADIAN AMATEUR RADIO SOCIETY  
MEETS: 9:30am Second Saturday. Red Cross  
Bldg., North OU Campus. Norman  
PR KA5MIZ Bob Rabin 360-6996  
VP KA5EFJ Ken Neptune 321-7789  
SE WD5GTC Gene Johnson 321-6759  
TR N5BEW Ken Esadoah 329-4667  
EDITOR: Sam Barrett, WA5RPP 321-2601

16 EDMOND AMATEUR RADIO CLUB  
MEETS: 7:00pm First Thursday. See club  
section for location and type.  
PR WB5UIY Stan Van Nort Unlisted  
VP WB5MLX Glen Cochran 942-7148  
S/T WD5DYJ Kay Northcutt 755-4672  
EDITOR: Mark Northcutt, WD5DYI 755-4672

18 GREAT PLAINS AMATEUR RADIO CLUB  
MEETS: 7:30pm First Tuesday  
Civil Defense room, Woodward courthouse.  
PR WA5PLW Windle Hatchett 766-3561  
VP W5KEK Lewis Patterson  
SE K5YZK Jim Phares 254-2319  
TR KA5SDE James Rockhold  
EDITOR: Jim Phares, K5YZK

10 EDMOND AMATEUR RADIO SOCIETY  
MEETS: Varies. See club section  
PR KBØOU Cal Callison 751-3620  
VP WA5ZGM John Keeling 340-1253  
S/T KC5GN Bill Wright 341-6076  
EDITOR: John Keeling, WA5ZGM 340-1253

20 ARDMORE AMATEUR RADIO CLUB  
MEETS: 7:45am Saturday. Corral Restaurant  
INFORMAL: Every Wednesday. 221 9th NW  
PR WD5FZD John W. Merlyn 223-9543  
VP WA5IJA Gene South 223-8252  
SEC W5JCX Jim Chilcoat 226-6816  
TR W5BLW Charles Dibrell 226-0589  
EDITOR: Glenn Hamilton, KE5ES 226-4379

CENTRAL OKLAHOMA RADIO AMATEURS, Inc.  
MEETS: 7:30pm Fourth Tuesday. OKC Fire  
Training Center. 800 N Portland  
PR WN5NWX Reggy Whited 799-1457  
VP K2GKK D. C. Macdnald 672-4947  
SE N5BEQ Jim Buswell 236-0368  
TR WDOFTM Linda Callison 751-3620

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MANAGING EDITOR:  
Joe Harding, WA5ZNF, 737-1044

CIRCULATION MANAGER:  
Bob Graham, WB5NSV, 677-8685

**ATTENTION ALL AUTOPATCH MEMBERS**

At the recent club meeting on 9-18-84, a motion was made to "amend the bylaws sec#1 of the constitution of OCAPA to include the Emergency Coordinator as a member of the executive committee."

This is a very important step and your input on this matter is of a great importance to all members.

\*\*\*\*\*

**WHERE ARE YOU?** Where are all the club members at when it's time for the club meeting. This is your club and you have a say in the activities just as much as anyone else.

**WHY DON'T YOU ATTEND CLUB MEETINGS?** It's very difficult to voice your opinion on matters that concern the club and the activities when you don't come to meetings. Yes, there are times that some of us CAN'T make it. The point is there are times that you CAN make it but don't.

This is your club, come be a part of it. You will not have to work projects, you won't have to make reports, you won't have to do anything that you don't want to do.

If you are not a member of OCAPA, you are cordially invited to attend one of our club meetings. Visitors are always welcome.

\*\*\*\*\*

**WHAT HAPPENED TO THE PATCH ON 21/81?** NOTHING !!! It was not the patch. IT WAS THE PHONE COMPANY. It seems the phone company had problems with the lines that go to the machine and it took them a while to get things in order. Any way, the patch works.

\*\*\*\*\*

When is the last time you looked in a dictionary to get the definition of the words HAM and AMATEURS? You wouldn't believe all the definitions.

\*\*\*\*\*

Are you an artist? Would you like to design a club logo? One that can be used on a hat, jacket or what ever you want to put it on. You do not have to be a member of OCAPA to design the logo.

Send your idea to me for consideration, N5GWZ.  
751 W. Juniper Dr, Mustang, Ok 73064

N5GWZ (Congrats to KA5SVE/DL)

**SKY WARN TRAINING**

The Autopatch Club voted in the early summer this year to have Sky Warn training and certification of the Severe Storm Warning Net spotters. This training to be completed sometime in the fall of 1984.

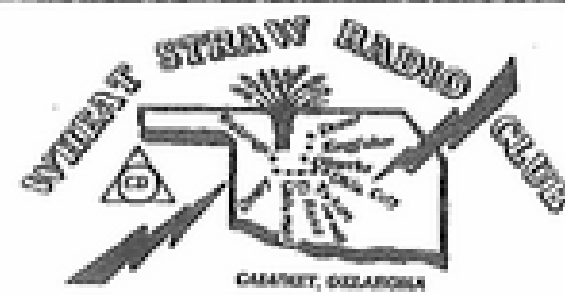
It was hoped that this would improve the creditability of the reports from our spotters. On October 22 at 7 pm the National Weather Service will hold a 2 hour training session at the auditorium of the FAA Training Center. Don Devore of the NWS will conduct the class and give a test covering the material given.

Those who pass this test will be given a certificate, each having a certification that belongs to that individual. The number will indicate the year the certificate was issued.

The National Weather Service only certifies that the person took & passed the examination. The certificate is issued by the Autopatch Association.

As District Emergency Coordinator for the ARRL ARES group, I urge all ARES members who can attend this meeting to do so. I urge you to join us and work together to better serve the community.

N5FH



The Wheatstraw Radio Club meeting was held at Watonga OK on September 5th with 33 members and visitors present. Had no old business to take care of. New business consisted of a request for 6 or 7 members with handi-talkers to come to Watonga on Saturday 15th to help with the parade. Seven of us said we would be there. Perry, W5HGZ and Doc, WA5FFE treated us to some real good watermelon, and Perry even had a freezer of home made ice cream. Both were very good.

Our president Leo, KA5DUO was back from the sick list and so was Bertha XYL of KA5PUU. Both had operations and spent time in hospitals. Good to have you back.

Motion made to adjourn, seconded & carried.

**SATURDAY PARADE DAY - SEPTEMBER 15TH**

Seven of us, Bill, K5YVI and Ralph, WA5PFK of Watonga. Ray, AB5Z and XYL Sue of Longdale. Virginia, N5AMB of Hitchcock. Perry, W5HGZ of Weatherford. Joe, WA5FLT and Marvin, WA5JMB of Calumet all helped. Bill was in charge of getting all the floats, bands, etc. lined up right and it was our duty to see it was done. Turned out real good, and was a nice parade. The largest official US flag was there and needed 30 people to carry it, short on head count and it being last in line our ham group helped do that.

Marvin, WA5JMB

**For sale:** Icom 730, External power supply, External speaker, Hand mike, Desk mike, Antenna tuner \$550.00  
Yasu 708 hand held 440: (new at ham holiday) still in the box, 440 mobile antenna & 440 ringo base antenna, \$250.00 complete. N5GWZ Bob 376 4287

**A R E S**

Starting with this issue I would like to update the CORA members from time to time on what ARES is doing. About 2 years ago it was decided by the State Emergency Coordinator (SEC) Bennet Basore, who lives in Stillwater OK, to divide the state into 5 districts, these are N.E. - N.W. - S.W. - S.E. and Central. The state is divided roughly by I-35 north and south, I-40 east and west. The Central Division is Oklahoma, Cleveland and Canadian counties. Each county is to have an Emergency Coordinator (EC) responsible to the (SEC) District Emergency Coordinator (AEC) for each city in the county with larger cities broken down by ZIP Codes. This will require an AEC for each division. These AEC's are responsible to the EC and they are to sign up ARES members in their city or sub-division. They are also to establish a favorable relationship with the fire, police, etc. in their area so that some creditability can be established before an emergency occurs.

The AEC also should know the capability of the amateurs living in his area - ARES member or not. We have some of these positions filled but many need dedicated amateurs to step forward. If you are interested, write to me.

Frank McCollon  
2421 NW 118 St  
Oklahoma City OK 73120 Or call 947-6603  
during the day  
751-3577 during weekends & eve.

Oklahoma Phone Emergency Net (OPEN)  
Meets Sunday morning at 0800 local time  
3.900 on your dial. Join us.

N5FH, Central Division DEC



Club  
NEWS

V1109  
The New South Wales  
Radio Club

### Minutes of September Meeting

Meeting was called to order at 10 A.M. by President Jerry, KD5IS, with ten members and guests present.

The question of replacement station trustee was discussed and K5JB, W5KE and N5PS were suggested as candidates. It was not necessary to make a decision because the envelope received from the FCC after requesting a renewal application form, was empty! Jerry has requested another. Anyone interested in the Trustee position should contact Jerry.

CORA representation was discussed and W5HXL was requested to take one of the spots. The other two will be appointed after President Jerry checks with more of the membership.

It was agreed that there would be a Christmas party but time and place will be established later. President Jerry would like to hear desires of the members.

Meeting was ajourned at 10:50 A.M.

Minutes relayed by Jerry, KD5IS, to the Secretary, who was absent. Joe, K5JB, Sec'y

### A Rerun

In May 1982, I ran an article I called Magna Vox - Big Voice, wherein I described an accessory consisting of an audio amplifier built into a speaker enclosure to permit better audio from a hand held two meter transceiver. During the teleconferencing net with Bob Heil, I was inspired to try that device and make a critical comparison with and without its use. The receive audio was so improved, I decided it would be a good time to rerun the article with some additions that have been useful since its first publication. So, heere we go!

### MAGNA VOX - BIG VOICE PART II

A common complaint heard from owners of the current generation of FM hand-helds (Sake-Talkies) is insufficient receive audio volume from the little critters when they are used in a noisy environment, such as some automobiles. I have had a couple of radios that could hardly be heard unless held up to the ear. The little speakers just weren't able to do the job with a couple of hundred milliwatts and poorly designed acoustic enclosure

The first solution in my case was to prepare an external speaker that could be wired to the receiver earphone jack and placed in a good position to overcome road noise. This tactic worked quite well also to improve hearing the FT-101 HF rig in the car. (The little bitty speaker was pointing away from me when the rig was mounted.)

The external speaker idea was OK for as far as it went but it was limited to maybe two rigs with external speakers. The Magna Vox was de-

signed (and named from a similar product first produced by a company with a similar sounding name. Its Magnavox was a loudspeaker and vacuum tube amplifier assembly that was to be attached to the earphone connector of the receivers of the time, thus enabling the whole family to hear the radio at the same time. The patent on the device ensured success of the venture for a time and the company exists to this day.)

Instead of vacuum tubes, I selected the LM 383 (Radio Shack calls it simply 383). This little fella is an audio amplifier IC designed to run on 12 Volts and drive a speaker to over 8 Watts. In it I saw a solution to my problem and installed one in a communications speaker enclosure to give it a try. Figure 1 shows the initial circuit.

The IC was attached to the speaker housing with a number six screw and nut after adding a dab of heat sink compound. It is unnecessary to have an insulator because the head sink tab is at power supply ground potential. The only sizable components are C2, the 500 uF feedback capacitor and C5, the 500 uF output coupling capacitor. (The manufacturer's application note recommends a 2000 uF output capacitor for a 3.2 Ohm speaker but I hardly think it needs be that large for communications use.) These large capacitors need to be physically attached to something or abuse may knock a lead loose from the IC. The smaller components can be safely attached to the IC leads and left hanging. C3 and C4 need to be directly attached to the IC leads because their purpose is to stabilize the thing. The values shown for C3 and C4 are recommended by the manufacturer but I used .1 uF in both cases and they worked satisfactorily.

R7, the 100K variable acts as a master volume control but once set it is left pretty much alone. In use, the audio level is set by the individual receivers' volume controls. The reason for using the R7 and R8, in the configuration shown, is to provide a load for the IC's input when it is disconnected as explained later.

The input mixing network consists of 10 Ohm resistors which act as dummy loads for each of the connected receivers and the 10K Ohm resistors which isolate the receivers from each other. The jacks can be anything convenient such as phono or phone jacks or even screw terminals. If one of the inputs is to have medium impedance source driving it, use a larger load resistor, or leave it off.

There didn't seem to be any problem caused by RF but there was a noticeable amount of whine from the vehicle charging system. C6, the power supply filter was hardly enough to shunt this noise so I added the circuit shown in Figure 2. This additional filtering would be unnecessary in a fixed station environment.

The only thing handy in my junk box was some 88 mH telephone toroids. They have two windings with a couple of Ohms resistance in each. I first tried both windings in series aiding and the whine was gone. I then tried one winding and the whine was still gone so I left it that way.

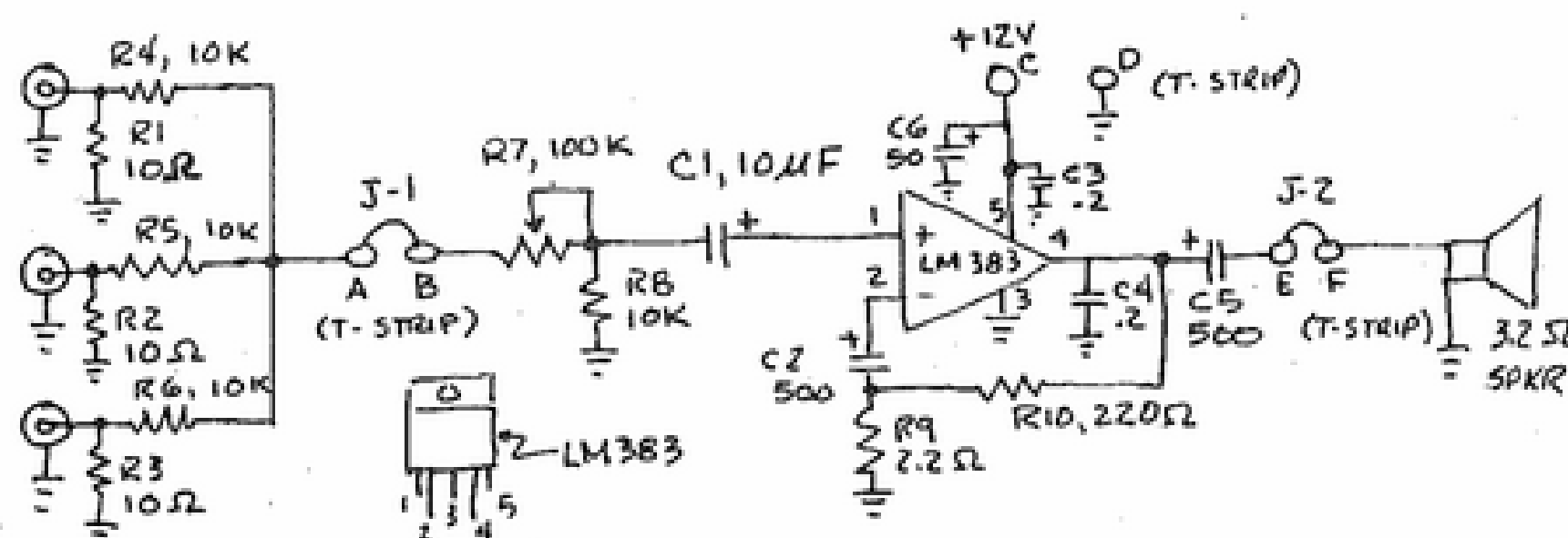


Figure 1. Amplifier Circuit

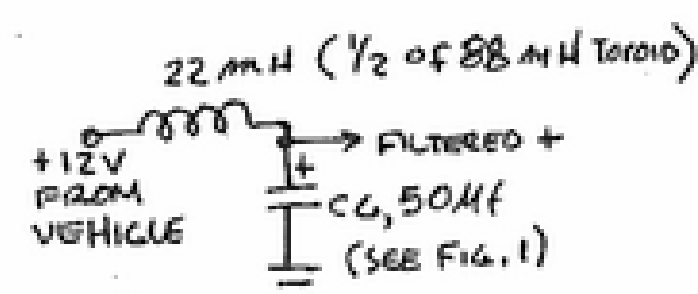


Figure 2. Added Inductor

With the volume set for "ear splitting", the IC is drawing about 500 mA. Under these conditions, the toroid inductor causes a drop of about a Volt. Another way to stop the whine is to regulate the supply voltage down to about ten Volts (at a sacrifice in maximum power available).

In this, or other applications, if the voltage drop is objectionable, other inductors should work quite well if they have similar inductance but lower resistance (bigger wire).

The rated power of these ICs will not be achieved except under specific conditions. I cranked the output up to about five Watts, the limit of a Motrac speaker, and the noise was on the threshold of pain! I doubt that the amplifier would make 8 Watts unless the speaker load was about two Ohms. My speaker is rated at 3.2, Ohms, I think. A typical eight Ohm speaker with the same voltage on it would only produce two Watts. This is still plenty loud if it is installed in a good enclosure. For communications, it is hard to beat the Motorola and GE speakers made for the purpose.

The feature added later to this speaker circuit was the terminal strip shown in Figure 1 as terminals A through F. These terminals permit using either the amplifier or the speaker by itself for equipment testing or other purposes. For example, removing jumper J-1 and connecting a test probe to terminals B and D (ground) and probing a dead audio circuit, one can locate the point where audio is interrupted. Connecting a microphone to terminals B and D should permit a pretty potent signal to be developed on terminal E for signal injection. Use the internal speaker to check level and then remove jumper J-2 to cut out the racket. In the original circuit, power was introduced via permanently attached cable. Once the terminal strip was added, plus voltage was connected to one of the terminals (terminal C), permitting quick connection to various bench power supplies. The toroid inductor filter is actually tied internally to terminal C and automobile power is provided through the permanently attached power cable. Of course, external access to the speaker is provided by terminals F and D. Removing jumper J-2 disconnects the amplifier output and prevents any possible harm to it from external voltages.

This little project results in a gadget with a lot of useful applications. Mine resides in the car most of the time, permitting me to hear what's going on not only while driving, but when out of the car. It has sufficient volume to be heard a good distance away from the car if the volume is turned up a little. When I need a little better audio in the house to hear, for example Bob Heil's experiments on the Teleconference, it only takes a few moments to attach a cable and plug directly to the speaker terminals and get really good communication quality audio. On the night of the Teleconference, I did this and also connected a good high fidelity speaker to the radio for comparison. The communications speaker had more crisp response of the type described by Heil and was actually preferable to my tin ears. Joe, K5JB.

Baud, Bauds, Bawdy

One evening while listening to a conversation between two experts I heard one correct the other on the use of the word "baud". "1200 bauds!" he said, "NOT 1200 baud!"

My guiding rule of grammar usage is, "If it sounds right, it is probably right." In this case, "bauds" didn't sound right; however, I kept my opinion to myself because the pedantry expert certainly sounded convinced he was right. I secretly slipped off to consider my second source of correct grammar usage, the dictionary.

Webster's Third New International Dictionary (a

big one) defined baud as "a unit equal to one dot per second or the equivalent interval per second and used in measuring the speed of signalling in telegraphic code." It also provided for plural use of the word. If one dot per second is one baud, two dots per second would be two bauds, right? At this point it appeared my golly expert friend was right. But it still didn't sound right so I checked another source.

The McGraw-Hill Dictionary of Scientific & Technical terms defined baud as "A unit of telegraph signalling speed equal to the number of code elements (pulses and spaces) per second or twice the number of pulses per second." Now this definition needed some thought. It appears that if there are ten pulses and spaces per second, the unit of telegraph signalling would be ten baud. It was not a very clear and decisive definition but at this point I felt the score was baud-1, bauds-1. I consulted another source.

The IEEE Standard Dictionary of Electrical and Electronic terms defined baud as "A unit of signalling speed equal to the number of discrete conditions or signal events per second. For example, one baud equals one half dot cycle per second in Morse code, one bit per second in a train of binary signals, and one 3-bit value per second in a train of signals each of which can assume one of 8 different states."

Well, here again the issue was skirted. From this definition I could argue that a two signal events per second was either two baud or two bauds. The score, baud-1, bauds-1, and tie-1. Another source would have to be consulted to break the tie.

After rooting around in my stuff awhile, I came up with a big book called "Transmission Systems for Communications" written by the members of the technical staff of Bell Telephone Laboratories, and published by Bell Labs. Here I found an interesting paragraph:

"It is usually convenient to specify the signalling speed or pulse rate in bauds. By definition, the speed in bauds is equal to the number of signalling elements or symbols per second. Thus the baud denotes pulses per second in a manner parallel to hertz (SIC) denoting cycles per second. Note that all possible pulses are counted whether or not a pulse is sent since no pulse is also usually a valid symbol. Since there is no restriction on the allowed amplitudes of the pulses, a baud can contain any arbitrary information rate in bits per second. Unfortunately, the term bits per second is often used incorrectly to specify a digital transmission rate in bauds. For binary symbols, the information rate in bits per second is equal to the signalling speed in bauds. In general, the relation between information rate and signalling rate depends upon the coding scheme employed."

At first reading, the authors seemed to have the same problem that I do separating what is correct from what sounds correct. I underlined the place where the word "baud" appeared to have been used instead of "bauds", used in a plural sense. On second reading, however, the point became clear. The author was referring to a singular baud which could contain plural information. The authors broke the tie in favor of the plural term "bauds".

Note however, the incorrect parallel drawn with Hertz. Sixty cycles per second is sixty Hertz, not sixty Hertzes. If Hertz and baud were parallel terms, 1200 baud would be correct. A better parallel would have been "Ampere" which is one Coulomb per second. Two Amperes are two Coulombs per second.

Until "bauds" becomes the more commonly used term, I think I will use "1200 speed", HI! Now, I wonder why units named after people are sometimes capitalized and sometimes not...

Joe, K5JB



# 76-Year-Old Radio Operator Shares Voice With the World

By Nancy Salisbury

VICI — The loss of half his left hand to a radial saw and the loss of his sight are only "inconveniences" for a man whose voice has traveled, at the speed of light, to more than 125 countries around the world.

Harry Watts shares his passion for communication by giving free amateur ham radio operator lessons to anyone who wants to learn the language.

"I'm pretty much handicapped, but still, I've got the world in front of me, on my desk."

The 76-year-old ham operator doesn't think about his handicaps because he is able to pass on the know-how of his hobby that fills his life.

Watts has three young novice hams ready for upgrading from last year's class and hopes to have eight to ten in a beginning class this year.

Hams begin as novices (morse code only) and with study can be upgraded to broadcast with a mike, as technician, general, advanced and extra class.

"Each step in license gives you a little more privilege, Watts said.

Watts is an extra class operator awaiting his accreditation to become a volunteer examiner.

In the language of



Harry Watts, who teaches amateurs how to operate ham radios, poses by his own ham radio set.

the ham operator, classes are open to Yls (young ladies) X-Yls (middle age ladies) and Old Men (8 to 80-years-old). There is no age limit, Watts contends older people can learn just as much as youngsters.

Although Watts is unable to read the dials while broadcasting he has special equipment that helps him. "All I've got to do is punch a button and there is a little gal comes on and tells me what frequency." A computerized voice control box turns the antenna and gives readings in degrees.

Automated voices allow Watts to be self-sufficient on the air but, "People that have good eyes, they don't need all this."

Voices in little black boxes and automatic antennas belong in a different world than the equipment used by hams in the 1930s. Watts first heard the short wave bands at the far end of a radio dial in 1937. Ham operators from Oklahoma and Colorado broadcasted with homemade equipment.

Watts said they wound the coil on an old oatmeal box and called it "home brewed rig."

From the time of homemade equipment, to present day, radios that do their own talking serve the public in the face of crisis.

Watts notified Oklahomans about the welfare of relatives in Managua, Nicaragua, when that city was torn

by an earthquake.

He also "patched-in" phone calls for soldiers on Guam calling home and for foreign exchange students visiting in Vici.

"That far away, if they'd had phones on that island, it would have been pretty expensive," he said.

He received a shirt patch from the coast guards and an award certificate for patching phone messages from three lonesome members of the coast guard on Johnson Island. Watts also received awards for working disasters in Lawton and Morris.

But friendships are better than awards Watts says, and he keeps track of friends he's made on the radio.

# The South Canadian Amateur Radio Society

## SCARS NEWS.....

No business meeting of the South Canadian Amateur Radio Society was held during the month of September due to the home OU football game. The regular informal coffee drinking on Saturday mornings has had to suffice for yet another month. Some news has occurred:

- congratulations to N5BEW and N5DWN on upgrading to Advanced during the recently past FCC testing session.
- Bob, KA5MIZ, and his YF have recently returned from a trip to Europe. Sounds like it was a really nice one.
- Speaking of trips, Bill, K5KDR is now back in town after his trip to California. He mentioned that the microphone cord on his 2-mtr rig pooped out at the first of the trip, and he had to go over four thousand miles without being able to transmit a word. Bill said, however after listening to the crowded repeaters in California, he was just as glad not to talk.
- Not to be outdone, KA5EPJ went with the OU team to Pittsburg. Ken tells that although he is normally a "white knuckle" flyer, the trip back, after the game, was an especially hair-raising experience.
- Good news! W5MCJ is now out of the hospital after a recent stay. He even made it out to the Tuesday coffee drinking at the Commons.

That is about all of the news that I have been able to gather. I made some telephone calls to find out what the latest happenings are, and this was most of what I found.

If you know of a happening that I missed, no matter how small, why didn't you let me know? Next month, let's have every club member in print.

## REPEATER UPDATE.....

This part of the column is getting to be a regular feature. However by the time that most of us get the C&E, the problems have usually changed. At the time of this writing, the repeater is the subject of a great deal of interference. We would like to solicit the help of anyone in the OKC area in tracking down the culprit. If any other repeaters are being interfered with, or if anyone knows the source of the problem, please call N5BEW on the W5OU/R machine. At times, communication is all but impossible.

The good news is about the phone patch. N5BEW and W5OU went to the repeater site and traced the phone line to find a break in the wire. They temporarily spliced the wire, and Ken says that he will seal it in the near future.

## VOLUNTEER EXAMINER.....

With the exit of the FCC license examiners from Oklahoma City after the September testing session, Amateur Radio licensing procedures as we have known them have come to an end. As the end of 1984, the FCC will no longer be in the business of administering licensing examinations to prospective or upgrading hams. As the FCC bows out, the Volunteer Examiners begin. So, it might be interesting, at this point in time, to take a look at the testing procedure that will be with us in the future.

The FCC, in setting up the Volunteer Examiner program, has removed themselves

from dealing directly with the actual VE by creating the Volunteer Examiner Coordinator (VEC). The VEC is responsible for the accreditation of VEs and scheduling test sessions. Also, the VEC may coordinate testing in a region as small as one U.S. call area, however according to FCC rules, the VEC must be prepared to provide service over the entire call area and not limit their activities to one specific state or metropolitan area.

Accredited VEs must form a Volunteer Examiner Team (VET) consisting of three VEs in order to hold a test session. The VET is responsible for registering the session, providing public notice of the session, and physical arrangements for the session. The VET is also responsible for acquiring facilities for the test and the integrity of the testing session.

The Volunteer Examiner (VE) must meet certain qualifications as set forth in sec. 97.31 of FCC rules. Briefly, a Volunteer Examiner must:

- be at least 18 years of age;
- not be related to any applicant;
- not be in a business which derives income from Amateur Radio;
- not have any license suspensions or revocations of his/her Amateur Radio license.

As previously stated, a VE must be certified by a VEC. Certification is not available to an individual VE directly from the FCC, but must be granted by an authorized VEC. In the fifth call district, a few organizations have requested and received VEC status from the FCC, however none of these organizations, with the exception of the ARRL, presently appear to have any ties to Oklahoma or the Oklahoma City area. Therefore, it now appears that the major VEC for this area will be the ARRL.

According to Curtis Holsopple, K9CH, the Manager of ARRL Volunteer Examiner Program, the ARRL is actively recruiting and training Volunteer Examiners. Holsopple told me in a recent telephone conversation that while some VECs are accepting only holders of Extra class licenses, the ARRL is encouraging both Advanced and Extra class licensees to become VEs. The apparent hesitance of these VECs lies in the FCC regulation which allows Advanced class VEs to administer only Element 3 (Technician/General theory exam). In response, Holsopple cited FCC figures which indicate that Element 3 is the most often given exam and accounts for more than 50% of the examinations given by the FCC in the past few years. Anyone interested in becoming a Volunteer Examiner is encouraged to contact ARRL. Also, Holsopple added that although Technician and General class holders are not eligible to become VEs, there will be plenty for them to do in helping the VET with testing sessions such as assisting with registration and other duties that do not require a certified VE.

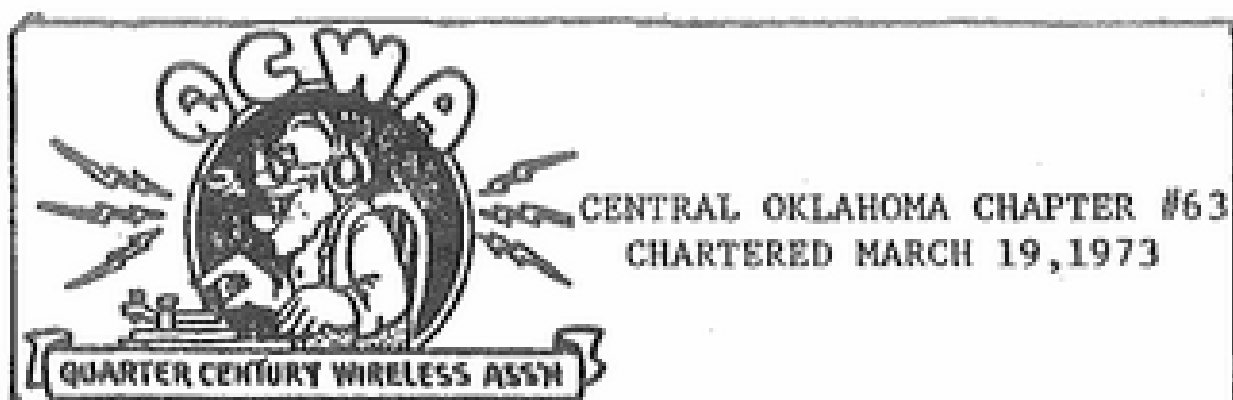
If anyone cares to do any additional research on the subject, I would direct them to articles in QST. Articles are found in QST issues:

- December 83, pp 51-55
- March 84, pp 48-50
- April 84, pp 59-61
- May 84, pp 63-64
- September 84, pp 42-43

Also, information on the Volunteer Examiner Program is, of course, available from ARRL.

-wa5rpp-





\*\*\* NOTICE OF MEETING \*\*\*

The QCWA Chapter 63 regular quarterly meeting will be held October 21, 1984 at the Anna Maude Cafeteria in Penn Square.

The program will commence at 1300 hours local time. It is recommended that you plan to eat at or before 1200 hours so as to avoid the long lines often experienced due to large influx of church attendees. By so doing, you may also afford yourself an opportunity to enter into conversations with other members before the meeting.

The program will be presented by Eileen Wakefield. She will give us an interesting talk/slide program on China Today. She has just finished conducting a tour to The Peoples Republic of China, and should have some interesting and timely information to share with us.

Plan now to attend - and bring a friend.

Ray W5TY

- THE CHAIRMAN'S CORNER -

Dateline-Forest Park, OK. By-Golly most amazing, perhaps disconcerting, how fast our submittal deadline (15th) to Robby rolls around. Information gleaned from Robby's FILE ZERO super input as follows, "I see no reason why we can't have an open forum for chapter 63 on a monthly basis". For the moment, I consider this an excellent suggestion-it will remain to be observed how well chapter member's submittals fit the meaning from Merriam-Websters (Unabridged)--FORUM: a medium of open discussion, (aims of this publication) to act as a FORUM, in which issues, controversial or otherwise, can be discussed. For now we will use FORUM in that sense, but recognize that opposing views will be recognized and published.

CHAPTER 63 FORUM:

Recently was reading some QCWA NEWS chapter submittals. Gleaned from a number were the words "cookout", "picnic", and "outside get-together". To my knowledge we have not held a meeting of this type. Suggest that we do so, and possibly our Spring Quarterly Meeting, 1985 could be a candidate. Concurring, non-concurring, and opposing views will be appreciated. Concurring views should include suggestions as to "where-when-type-food-nonviolent sports-etc". All inputs will be tabulated and submitter duly recognized.

We trust the varied information under the QCWA logo will be read by many and will be interesting to all readers. Of many purposes for monthly journalistic endeavor, one (1) is to attract new members for QCWA Inc., and to a local area chapter. More later, but now a quote from QCWA NEWS--"Applicants for QCWA membership must have held an amateur license at least 25 years ago, and must at the time of applying, hold a valid amateur license. It is not necessary to have been licensed the entire 25 years. Proof of eligibility must be given. Headquarters has a library of callbooks from the old times that can be used in many cases (to establish eligibility -ed.). A request for information will bring a

prompt return letter." Please address QCWA Inc., 1409 Cooper Drive, Irving, TX 75061 or this chapter's Secretary, Howard Baker, W5AS, 5928 N. Redmond, Oklahoma City, OK 73122.

Have often wondered, and inquired of the word HAM (pseudo for AMATEUR). W6AXM, Melvin advises (but without absolute certainty) as follows: It has a British flair, and use of "H's". Thus "HAMateur". Anyone with a different view??

QST uses the headings STRAYS from ye olde Tom Cat, and FEEDBACK. "REGEN'S" is the best I could vision right now, in lieu of "feedback".

I failed to recognize a new member in the September C&E. A hearty welcome to W5IST, Charles Singleton, Del City, OK. Also welcome to Charles as a Sunday meeting Check-in. Also, welcome back W5NBH, Herman (Tiny) Irwin, for your Sept 9 check-in after much delay due to the 75 meter sub-band change. Also apologize that you are located in MWC. I overlooked two names from those honored at HH-84 QCWA breakfast for 50 year certificates, namely: Jack Gant, W5GN, and myself. Sorry Jack!! (sorry Fred -ed.)

73, Fred, W5NL

CHAPTER 63 HARMONICS:

Announcing RAZORBACK Chapter 1984 Fall Meeting at Harrison, AR, Saturday, Oct 13 at the Ramada Inn on Hwy 62 (business). Gathering 10:30AM for coffee and visiting. Lunch cost \$5. per person if mailed to Sid Pokorny, W5UAU. \$6. at the meeting. Ladies asked to bring 50 pennies, and a \$3. gift for exchange. In addition to the business meeting, the program will be on the Apollo moon landings.

73--Fred--W5NL

The following is excerpted from the August, 1984 activity report submitted monthly by Chapter 63 Secretary. Howard Baker, W5AS:

QCWA Chapter 63 net on the air operation

...

Sessions - 4  
Check-ins - 130  
Traffic - 12

This is the fourth re-write of this months article. It's a good thing I'm not being paid by the line...I'd starve!!

The first two attempts, I destroyed myself...they were wrong, and needed to be stillborn! But the third attempt... ah ...that's a different story. I had the composing all done...all ideas were down on paper (screen), and I was proceeding to the next order of business...reproducing a clever little story submitted by W5JJ. I made a typo (not uncommon), and went back to correct it, and somehow got the processor hung up. There it was...all that writing in the memory, and no way to get at it. I still had the final paragraph displayed, and under it all was the cursor flying past at supersonic speed. Nothing I tried would regain control of the machine. there it sat laughing at me with it's dancing cursor. Man meets machine ... machine wins!!

73 (for now) robbby

The following was submitted by Carl, W5JJ who got it from the AARA News, Summer, 1983 - it is completely self-explanatory:

I am writing in response to your request for additional information in block number three of the accident reporting form. I put "poor planning" as the cause of my accident. You said in your letter that I should explain more fully, and I trust that the following detail will be sufficient.

I am an amateur radio operator. On the day of the accident I was working alone on the top section of my new 80 foot tower. When I had completed my work, I discovered that I had, over the course of several trips up the tower, brought up about 300 pounds of tools and spare hardware. Rather than carry the now un-needed tools and material down by hand, I decided to lower the items down in a small barrel by using a pully, which was attached to the gin pole at the top of the tower.

Securing the rope at ground level, I went to the top of the tower and loaded the tools and material into the barrel. Then I went back to ground level and untied the rope, holding tightly to insure a slow descent of the 300 pounds of tools. You will note in block number eleven of the accident reporting form that I weigh only 155 pounds.

Due to my surprise at being jerked off the ground so suddenly, I lost my presence of mind and forgot to let go of the rope. Needless to say, I proceeded at a rather rapid rate of speed up the side of the tower. In the vicinity of the 40 foot level I met the barrel coming down. This explains my fractured skull and broken collarbone. Slowed only slightly, I continued my rapid ascent, not stopping until the fingers of my right hand were two knuckles deep into the pully.

Fortunately, by this time, I had regained my presence of mind and was able to hold onto the rope in spite of my pain. At approximately the same time, however, the barrel of tools hit the ground and the bottom fell out of the barrel.

Devoid of the weight of the tools, the barrel now weighed approximately 20 pounds. I refer you again to my weight in block number eleven. As you might imagine I began a rapid descent down the side of the tower. In the vicinity of the 40 foot level I met the barrel coming up. This accounts for the two fractured ankles and lacerations of my legs and lower body.

The encounter with the barrel slowed me enough to lessen my injuries when I fell onto the pile of tools and, fortunately, only three vertebrae were cracked. I am sorry to report however, that as I lay there on the tools, in pain, unable to stand, and watching the empty barrel 80 feet there above me...I again lost my presence of mind. I let go of the rope...

#### SOUND FAMILIAR?

This is a story about four men named Everybody, Somebody, Anybody, and Nobody. There was an important job to be done and Everybody was asked to do it. Everybody was sure that Somebody would do it. Anybody could have done it, but Nobody did it. Somebody got angry about that, because it was Everybody's job. Everybody thought that Anybody could do it, and Nobody realized that Everybody wouldn't do it. It ended up that Everybody blamed Somebody, when actually, Nobody blamed Anybody. Does this sound familiar to Anybody?

The following is from Amateur Radio, June 1982, who credited it to "The Serviceman", August 1981.

#### I'M FINE THANK YOU

There is nothing the matter with me  
I'm as healthy as I can be.  
I have arthritis in both my knees,  
And when I talk, I talk with a wheeze.  
My pulse is weak, and my blood is thin,  
But I'm awfully well for the shape I'm in.  
Arch supports I have for my feet,  
Or I wouldn't be able to be on the street.  
Sleep is denied me night after night,  
But every morning I find I'm alright.  
My memory is failing, my head's in a spin.  
But I'm awfully well for the shape I'm in.  
The moral of this tale I unfold-  
That for you and me who are growing old,  
It's better to say "I'm Fine" with a grin,  
Than to let folks know the shape we are in.  
How do I know that my youth is all spent?  
Well my "Get up and go" has got up and went.  
But I really don't mind when I think with a grin,  
Of all the grand places my "Get up" has bin.  
Old age is golden I've heard it said,  
But sometimes I wonder as I get into bed,  
With my ears in the drawer, my teeth in a cup,  
My eyes on the table until I wake up,  
Ere sleep overtakes me, I say to myself,  
"Is there anything else I could lay on the shelf?"  
When I was young my slippers were red,  
I could kick my heels over my head.  
When I was older my slippers were blue,  
But still I could dance the whole night through.  
Now I am old by slippers are black,  
I walk to the store and puff my way back,  
I get up each morning and dust off my wits,  
And pick up the paper and read the "obits".  
If my name is still missing, I know I'm not dead,  
So I have a good breakfast and go back to bed.  
SO, YOU'RE GOING TO WRITE FOR THE C&E

Well, I guess the first thing you need to do is to figure out how wide the columns are. You could measure them and find out that they are 3 inches wide -- but that won't help because everything is REDUCED before printing.

Type everything 4.6 inches wide.

It doesn't really matter how long your columns are, we will make them fit. But it would help if you remember to type enough for the first column 14 1/4 inches and the rest of the copy 15 1/2 inches. That will leave room for a heading on the first column, and not have a couple of lines left over to be continued.

If you don't have a typewriter, computer printer or some other way to prepare copy -- hand scribe it and send it to me, I will set it up for you.

Just remember, get it to me before the fourth Monday (except November & December, when it will go out a week early). The US Mule sometimes travels slowly, so give him a couple of extra days.

It makes no difference what you write about, just keep it clean -- and sign it. We will print it, maybe not this month but eventually.

TNX JOE, WA5ZNF

## HOLISTIC CHIROPRACTIC CLINIC

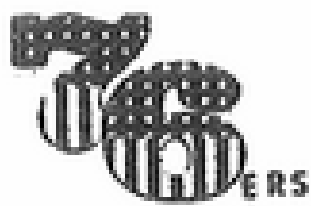


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- WORK/SCHOOL/GENERAL PHYSICALS
- WORKMAN'S COMP. • AUTO OR JOB INJURIES
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## BICENTENNIAL AMATEUR RADIO CLUB

"To Promote Radio Communications"

### 76ERS SEPTEMBER MINUTES

Meeting called to order by President Don Duck AE5N at 7:30 P.M.

C.O.R.A. Report by Jim Buswell. The minutes of the last meeting of CORA was handed out to all present. The gist of the minutes was a wrapup of HH84 and some of the comments put on the back of the tickets. Most all comments were favorable and most were very happy with the new accommodations at Lincoln Plaza. Several were disappointed that there was no flea market on Sunday. All these things will be considered by the committees next year. Treasurer Report. Treasurer Tom Webb WA9AFM/5 The balance in the Checking Acct at the present time is \$340.22. There was one matter of a bank charge that Tom was intending to pay himself due to an error, but the motion was made and passed that the club would stand good for the charge.

Repeater Report: Tower site: The hospital has notified us that a safety lite will be neccessary on our tower to meet the building inspector requirements. The hospital will supply the light, all we have to do is install it so Dick Baker will be calling on some of us at a convenient time to go up and put it on.

Controller Report: The controller project has been stalled due to other projects...but there was some sentiment to starting up that project again. Don says the controller has a problem and all we need is just some time to troubleshoot.

Old Business: A motion was made that we only use the Coffee grounds once as the coffee tonight was very weak HI HI.

New Business: Jim Buswell asked if anyone was interested in volunteering for Operation Watchdog this year. That is the group that works at the state fair to watch out for lost kids and suspicious persons around cars, if you are interested contact Jim N5BEQ

It was also suggested that since we have the computer programs and the expertise now we should volunteer for PreRegistration for Ham Holiday 1985. It was ammended also that we not volunteer but for one thing this year. The CORA reps will be instructed to do this at next meeting.

Further discussion was given to the problems of this years Ham Holiday and what could be done to rectify same. These will be discussed with our CORA reps also.

Meeting was adjourned at 08:15PM to Dennys

#### VERA RUTH WRIGHT

Services for Vera Ruth Wright, 64, were at 2 pm Sept 5 in the chapel of Paylor Funeral Home, 2113 S Air Depot. She was the wife of Fred Wright, K5HFM.

A fund has been set up in her name. Send all contributions to:

Vera Ruth Wright Memorial  
Baptist Medical Center of Oklahoma  
3300 NW Expressway  
Oklahoma City OK 73112-9988

1 (405) 376-3569

BOB WA5CJG



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AERONAUTICAL CENTER AMATEUR RADIO CLUB, INC.



### ACARC Minutes September 1984

Jack Iman, WB5SVN, President called the September 6th meeting to order at 7:38 p.m. with 17 members and guests present.

Bob Pace, WA5CJG, reported the treasury and repeater are in fine shape.

Old business - Don Rooker, N05M, gave the CORA report. Don will be stepping down as CORA representative for our club and we are looking for volunteers to represent us.

New business - Jack Iman, WB5SVN, discussed the possibility of moving the repeater to higher ground.

Carl Drumeller, W5JJ, spoke about early Amateur Radio experiments.

The meeting was adjourned for refreshments at 8:35 p.m.. The next club meeting will be Thursday October 4th. Please plan to attend.

Gloria Seignious  
Secretary ACARC

### BURIED CABLE

There have been many horror tales about rapid deterioration of buried coaxial cables. Knowing how some persons delight in purveying doomsday tales, I decided to see what was fact and what was fiction. My antennas have been fed with buried cables for many years. The cable feeding my trapped-doublet has a splice a few feet off ground level. (This marks the place where an external relay once shifted the feed from HF to VHF radiators.) This splice made a convenient spot for attaching a dummy load/wattmeter.

First I measured the RF power output at the transceiver; it was adjusted to an even 100 watts. Then I opened the splice and inserted the wattmeter there. With the transmitter on and the key blocked closed, I dashed (dashed, hell! I stumbled) out to gander the RF power at that spot. It was 100 watts. Another myth shot into the proverbial cocked hat.

W5JJ

### HORIZONTAL vs VERTICAL POLARIZATION FOR VHF ANTENNAS

The May 1984 issue of Amateur Radio has an in-depth study on this matter. Also, it has a reprint from the C&E, one of Joe's (K5JB's) excellent how-to-do-its, this one on junkbox ni-cad charger. Add to these words on a FM deviation monitor and the design of normal mode helical antennas and you have an interesting issue.

Oh, if you enjoy a chuckle, be sure to read An Illusion of Meaning. It's not technical, but it's good for a giggle.

Azden PCS 300 talkie. 5-watts, scans 8 memories. call KA5EFJ, Ken at 321-7789, or better still, catch him on the 147.66/.06 repeater.

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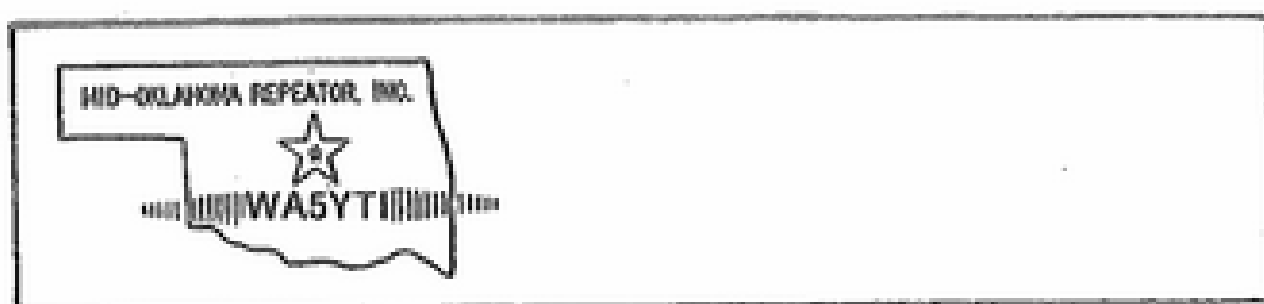
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Due to the fact that my article last month was rather skimpy, I will try to provide you with a little more information than I did. I was unable to attend all of last month's meeting, but here is what I got to share with you.

The next two months everyone should be thinking about who they want as an officer for the club, because in October, Bob will be selecting his nominating committee to start searching, and November, you will have your chance to cast your vote for the 1985 slate. I would like to express few comments and feelings that are well deserved beginning with Bob, N5EPV -- I really think he made a lot of accomplishments his last two years: our president, and who knows he might try for another year (HINT). I would also like to mention that our Vice President also did an outstanding performance as well. Our Secretary, N5BEQ, Jin also should be recognized for his many tasks and information that he made available to the club, not only for MORI, but other clubs too. Sid, W5KOZ, our Treasurer, what all can be said about this man!! The list is too lengthy to print but his honesty and integrity has really proved itself, because he has been everyone's choice for years. I also want to mention that our Trustee, K5ELL, Merwin and K5VVZ, Ken have spent many timeless hours maintaining our repeater, and also the installation of the new controller. Their expertise really came through. Last but not least I think that the MEMBERSHIP of MORI deserves a great amount of praise for their sincerity, loyalty and support. It takes YOU to make this club a success too.

I also got word from our President, that YES, we will be having our annual Christmas dinner/party this year, and it WILL NOT be a covered dish, but will be at a cafeteria / restaurant style so that everyone can pick out their own specialties. Details will be announced as to time, place, etc., via 07/67 repeater and at the next two meetings. I will try my best to see that it is published in C&E too. There will be door prizes given away, so be there to join in a gala type of evening with good spirits, and you might even want to think of your new resolutions for the coming year, and maybe even amend the old ones. Ladies, be sure that your man brings you to this one...

Many of you may already know this, but I just found out (while I was at Cedar Lake) that Mrs. Dora Holler, the wife of the late Leonard Holler, passed away. I am sure that many of you will join me in expressing our sincerest and heartfelt sympathy to the members of the family. Many memories will stay with us.

October will also be the time when many will be thinking about Hamfest at Lake Texoma. Hope that you got your registrations, etc. all mailed in. Also, FCC will be here again to test all of you who want to upgrade, or even try for your first time.

October the 2nd is MORI night. Plan to attend. I hear that our program will be of great interest to all...and much more. Bring the family, wife, kids, grandmother, anyone. We always have a good time with fellowship, and June gets the refreshments which are always good too..

In the recent monthss I have been confronted with several inquiries about the articles that HAVE and HAVE NOT been printed in C&E. I can only answer that by saying:

- (1) I have requested that the membership join in and provide some knowledge or expertise in electronics or whatever, and not always be mine, because like I said before I don't know everything. I would appreciate hearing from a few of you on any subject that can be printed.
- (2) I honestly don't know why some are not printed (Editors Note: I have printed all that I received) --perhaps there is some kind of

personality conflict with me and the mailman, that he refuses to deliver it --- I really don't know the reason(s) but I do hope we can get our misunderstanding straightened out and that in 1985 we can really make our news worthwhile.

If you feel another editor is more suitable/adequate then please bring it to my attention, to the club, or the President, and I will back off and let someone else take the responsibility with no hard feelings. I have and am enjoying being editor but WHATEVER...Thanks, Susie.

Just a word from our Trustee (K5ELL) concerning the new controller...Autopatch will be operated 24 hours to all MORI members, and if you are not a member and need to use the patch --- there will be an operator to assist you. OR if you have any questions pertaining to operations and/or suggestions, please contact Merwin, K5ELL and/or Bob, N5EPV. There will be many more features programmed in the future, so stay tuned! I must emphasize that this is YOUR repeater -- it is not a personal item, so I encourage you to use it Properly and don't abuse it. Show some consideration!!! Also you can and if you need more information, we encourage you to come and join our club. Others to be recognized for assisting with maintenance, etc., are N5GDK, K5RVM and of course Bob, N5EPV and Merwin, K5ELL.

There have been too many phone calls, etc., directed to the wrong people, so remember to contact either Bob or Merwin. Just a little consideration can really go a long way.

I also heard a few comments regarding HH but before I relay them to you --- -- I want to refresh a few of you and that is upon pre-registration there was a questionnaire concerning programs, prizes, etc. You were requested to fill it out if you wanted to and drop into a bin -- this was for CORA and others to know any weaknesses/strengths in the different categories. Most of you may already know this by reading your last copy of C&E, but in case you didn't read it or just some other reason, there seemed to be a little disappointment about a few things such as: (1) Some of the programs were too lengthy or disrupted the next scheduled one. There were quite a few people that were disappointed that there was no Microwave program this year. (2) Prizes, most felt that they weren't appropriate or of bad choice - perhaps quality or something. (3) The Hospitality room- most of the comments were -- it was left unattended several times and frequently out of drinks (coffee, etc.)

I think we, MORI, should improve in these areas, but I don't want to make any/all of the suggestions by myself, but if our President has no objections, if you have any suggestions to drop me a note and let me know and I will submit it over to our New (to be elected or appointed soon for 1985) representatives for MORI and they can discuss it with CORA...Who knows you are probably the one with the right solution(s).

As quoted by "Ernest" for Braums:

"I'll pitch in my part -  
You pitch in your part --  
Then we will all have a part to pitch in.

Thanks for any and all cooperation...  
Susie, KA5FED

"Have patience and endure" - That DX station will talk to me next.

"Use not the sword against him who asks forgiveness" - That power supply we bought at Ham Holiday doesn't work.

"Speak no ill of a friend, or an enemy" -  
Get off my frequency, you clod.

"A full purse never lacks friends" - - -  
I best pay my radio club dues.

## PROBLEMS WITH EDTASM+

I have received quite a bit of mail from readers who have been confused by the EDTASM+ instruction manual. Here are the symptoms: you've entered a listing from the magazine and are calling for an assembly using the EDTASM+ manual's recommended in-memory assembly command, A/IN/WE. But the listing consistently shows the wrong addresses and announces bad memory or DP errors. What gives?

The answer lies in that in-memory assembly command. When EDTASM+ assembles the listing into memory, EDTASM+ puts the assembled results when it wants, not where the listing indicates. So, EDTASM+ tells you where it put your program, and identifies as errors any places where its assembly doesn't jive with your listing's requests regarding direct page commands and available memory.

To test the accuracy of your typing, don't use the in-memory assembly! Instead of A/IN/WE (assemble into memory, wait for errors), type A/NO/WE (assemble without object code, wait for errors). You'll get a display of listing and labels, and only the real errors will show up.

If you must have an in-memory assembly (and you are sure it won't conflict with EDTASM+), type A/IN/NO/WE (assemble into memory using the absolute origin specified in the program listing, wait for errors). That will force EDTASM+ to respect everything you've typed in your program. Absolute origin means EDTASM+ will use whatever location your ORG statement says to use.

The other confusion with EDTASM+ is how to get effective and legible on-screen listings. Here's a summary of the most popular modes:

\* A/NO/WE displays the listing and waits for each error, but doesn't create a tape. \* A/NO/NL displays only the number of errors and the list of labels; A/NO/NL/LP is a good way of printing only a list of labels for your reference. \* A/NO/NL/NS/WE displays nothing but the number of errors, stopping at each error to tell you what kind it is. \* A/NO/NS/WE displays the listing and the errors, but doesn't whip that list of labels by at the end. \* A/NO/SS/WE makes looking at errors easier, because it puts the assembled information (what EDTASM+ creates) on a separate line from the source information (what you've typed). \* A/NO/LP sends a complete assembled listing to the printer. This is a reprint from Rainbow magazine.

A LITTLE ABOUT SOME PROGRAMS YOU'VE  
SEEN THIS LAST MOUTH:

BOOM, BUBBLE, RECOCHET, BANDITO, CASTLE, GIN (R.S. CART), FIRECOPT, were all games and need no explanations. HIRSDIMO is a loader and instructions for HIRSPRT, as is the VIDTEX.BAS for VIDTEX. There were some Utilities, as findadr, MSTDSK, COLDSTAT, XREF, all easy to use.

The Terminal programs ( TELITERM, VIPTERM, VIDTEX) are all stright forward, Menu driven and will not cause you much trouble. Of coarse, you do need a Modem to tie the computer to the telephone line.

This brings us to one program: DOUBLE.DOS

DOUBLE .DOS is a disk operating system for the COCO. It does not replace any of your normal disk commands, just gives you more.

When Double.Dos is EXEC. , it responds with the prount:

Was the Ham Holiday of 1984 at Lincoln Plaza a success? That was the question put to the people at the end of the prize drawing this year and the response appeared to be unanimous. Much time and effort went into Ham Holiday '84 by CORA and it's member clubs with great results. The acceptance of the registration ticket with schedules and names will surely be a party to return next year. Thanks go to it's author. The "Please let us know" portion will be read by all involved and will also help CORA to make HH'85 even better by giving you what you asked for. In general here are a few of your suggestions: Have Ham Holiday '85 at Lincoln Plaza, Have two day flea market, Schedule programs better- starting and ending on time, Have more dealers present, and shorten time of the prize drawing. The hospitality room was a hit as long as the coffee pot was full!!

The list of all parties involved with the success of HH'84 is a long one but the list of THANK YOUS is even longer, too great of list here. We all appreciate the hard work of CORA President WN5NWX, Vice-President K2GKK, Secretary N5BEQ, and Treasurer WD5FTM. Also included are members of MORI, EARS, 76ers, OCAPA, WHEATSTRAW, and AERONAUTICAL CENTER ARC, and ANYONE else who helped with HH'84 to make it an enjoyable and successful project.

Spread the word about HH'84 and if you want to help or have suggestions for next year, attend the CORA meetings or one of the representative clubs, they are interested in what you have to say.

See you there next year!!!!!!!

N5GWZ

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## READY

To find want commands you have available, just type COLHAND ENTER

There you are --- all your new commands.  
Baud 1 - 6 are, 1=300, 2=600, 3=1200, 4=2400, 5=4800, 6=9600

scroll 1-255, sets scrolling speed.  
Rate - sets stepping rate of disk from track to track.

I think ever thing else is more or less self explanatory.

Good luck and happy computing.

Holly

Well hello everyone,

I'm running without a printer or Modem right now but the computer is back up.

If you happen by to my house in Moore, you'll find a note pinned on the front door:

MOVED TO THE COUNTRY

Thats right I live in Blanchard, OK. now. Thats south of Okla. city, west of norman and north of Texas.

Because of my remoteness to everyone now, it's much harder for people to get programs to me. BUT- the solution to this problem is easy. The monthly disk that are at the meetings can be used both ways. You to the club as well as club to you. If you have a program, just put it on the disk to be swopped at the monthly meeting. Be sure to put a note in with the diskette so I'll know it has programs on it, otherwise I'll format it without looking to see if it has anything on it.

Take care

Holly



**CIMARRON A.R.A.**

ALTUS AREA



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MSRGH Repeater 146.13/73



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P.O. Box 75552 / Okla. City, Ok. 73147

**HAM HAPPENINGS REFER TO CLUB SECTION FOR SPECIFICS**

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
		M O R I Great Plains	ARDMORE	EDMOND Club	Aeronautical Center ARC	
	1	2	3	4	5	6
	CIMARRON	76'ers OU	ARDMORE	ALTUS AREA		SCARS ARDMORE COCO
7	8	9	10	11	12	13
Wheatstraw		AUTOPATCH	ARDMORE	KAY County	EARS	VHF Club
14	15	16	17	18	19	20
QCWA	EDIT <small>CENTRAL OKLAHOMA RADIO ASSOCIATION</small> COLLECTOR - EMITTER 	CORA RED <sup>AT</sup> CROSS	ARDMORE			
21	22	23	24	25	26	27
			HALLOWEEN	<b>October 84</b>		
28	29	30	31			

**WA5CZN says,**

**Are You Rundown?**

**Spiritual Batteries Need A Charge?**

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