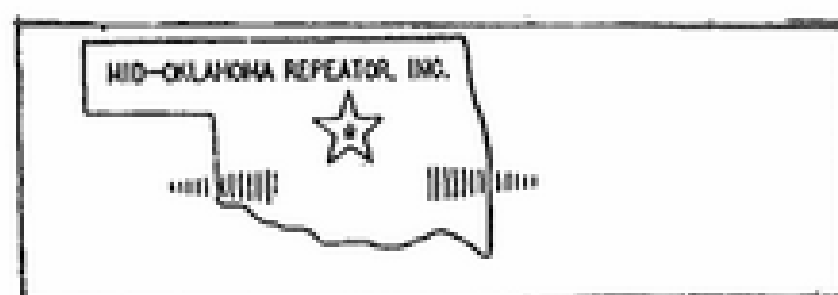


SECOND CLASS MAIL  
Postmaster, see PSN 2

Volume 17  
OCTOBER 1991  
Number 200



THANKS, AND A HAT TIP...

...to the Oklahoma Comm Center, for their generous donation of a Diamond X500HNA antenna to the club.

MORI members will recall in August its members were asked to donate \$20 each to a special antenna fund, with the proceeds going to improving our repeaters atop the Liberty Bank building. Now, for the rest of the story...

...Motorola has taken over the job of repeater management at Liberty, with one of the goals of suppressing intermod problems for some of the users. In order to do the job right they have asked all repeater owners to make some worthwhile, though costly, improvements. The antenna was just one of the expenses--the club is still trying to scrape up the funds for the other equipment it needs.

We really appreciate Craig and Glen at the Oklahoma Comm Center for the donation of the antenna. Because of their help, MORI will have one of the best repeater systems in the state.

#### TECHNICAL STUFF--

In the last few columns we've discussed several things to help keep the VHFer on the air with better antennas and battery care tips. This month we'll touch on ways to power handi-talkies off the old car battery.

In the fifties and sixties most "portable" transceivers were easily adaptable to the 12-volt (13.8-volt) automobile buss. Transistors could be biased to operate from a 12-volt supply fairly easily, so the big problem for mobileers involved powering tube type rigs. Today, however, unless a rig is designed specifically for automotive use, chances

are good that 12-volts or more is unhealthy to the circuitry.

It would be easy enough for manufacturers to regulate voltages inside their rigs, but since some don't, it's just as easy for us to do it ourselves. All we have to do is avoid exceeding the rig's maximum voltage cautions and, perhaps, add a some filtering to the power leads.

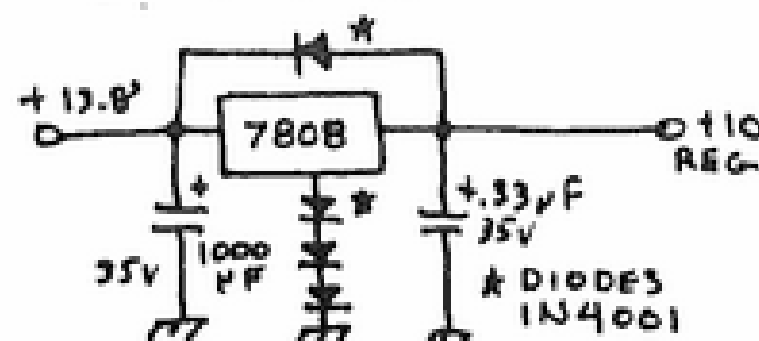
First, determine how much voltage you need. Somewhere in your owner's manual you'll find reference to the maximum permitted. If it's less than about 12-volts, then you need an alternate power source.

One alternate source is a voltage regulator IC. These three-terminal ICs come in a number of fixed voltages, both positive and negative. Some even have adjustable outputs and, as we'll soon see, even the fixed-voltage units can be made to provide variable output voltages.

Most of the newer rigs can safely handle 10-volts, so a 10-volt regulator would be ideal. Although not in the Radio Shack inventory, the IC, a 7810 type, is almost ideal. The more common 7808 type can also be used by raising its ground terminal above ground potential with several silicon diodes. Three diodes will put it in the 10-volt ballpark.

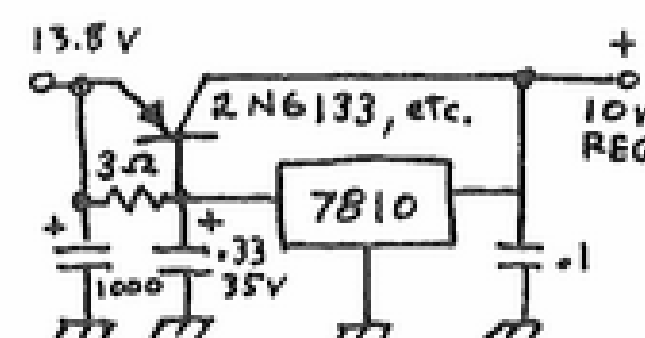
Properly heatsunk, these regulators can provide up to 1-1/2 amps of current, often enough for most handi-talkies. Or they can be used with an outboard transistor additional current. Most rigs, however, will need one amp or less for transmitting on high power.

The ARRL Handbook gives a circuit for "The Perfect 10" battery eliminator. Here it is again, but modified to use the more common 7808 8-volt regulator with three diodes in the ground lead:



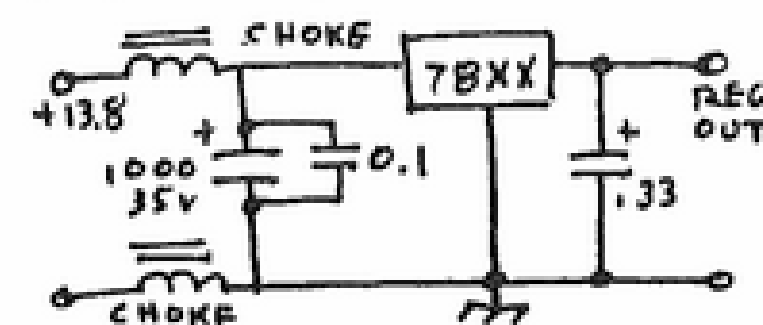
(A 7805 5-volt regulator will accomplish the same thing using seven diodes). The additional diode across the input and output leads helps protect the regulator from reverse current when the car's battery is disconnected.

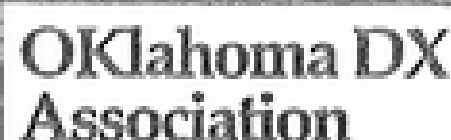
A PNP power transistor can effectively increase the current output of the circuit while still maintaining the proper voltage regulation. The circuit below uses a 3-ohm 1-watt resistor to limit the regulator current to a safe 1/3-amp while the transistor makes up for the additional current load. The beta of the transistor should be selected to exceed load current+.33.



Either of these circuits should also do a lot to help suppress alternator whine, but if that problem is severe, you might consider several fixes. You could run both power leads directly to the car's battery; insert a choke in one or both leads; use bypass capacitors to sink the noise to ground; or use a combination of these techniques.

A car battery is a low-impedance source, so running heavy gauge wire from it to the rig makes a lot of sense. A big electrolytic capacitor at the rig accomplishes the same thing, impedance wise. A .1-µF disc capacitor shunted across the electrolytic will help eliminate the ac noise. Likewise, a filter choke, like the kind made for mobile CB rigs, will also help reduce the alternator noise. Again, place it somewhere between the firewall and the rig for the best results.





There was a tremendous burst of exotic DX this month and many of the members came away with two or three brand new countries. You may say "Big Deal" but to the longtime DXer it really was an historic occasion. For the first time in decades, Albania, ZA and Mynamar (Burma), XZ were on the air! As promised, Romeo, 3W3RR showed up from Mynamar as XYØRR and enough opening occurred to allow many to get their new one. Then, a few weeks later the large inter-national group opened up Albania to amateur radio as ZALA! Wow!

Congratulations to Coy, N5OK who worked ZALA for his last country. AD1S snagged him a few evenings later for his last country. I know other OKDXA members also wrapped them all up with the ZA...congratulations to you all!

In addition to those heavy-weight QSO's, many also logged 3B7/3B8CF for a rare new one last month. Not bad for low sunspots and a high A-index. I would like to receive short narratives on your DXing history for use in future articles. New DXers can learn alot from the "oldtimers" so we look forward to your input... Dxing is enjoyable and you can be as serious or as casual as you like. Speaking from experience, it is easy to catch the bug. After that first DX contact to Germany or Canada or Bermuda, you will want to work more and more... Soon you'll need a beam; then a higher beam; then an amplifier; then a larger amp; you get the picture. Soon you will start talking DX with others of like mind. You will find out about DX Packet Cluster. You will buy a TNC and move your 2 meter mobile into the house; you'll "borrow" your kids' computer and you'll be hopelessly lost! You will go about aimlessly with a glazed look in your eyes, always looking for a way to improve your station; to add that extra Db of signal; to improve that receiver ever so slightly. You will subscribe to at least two DX bulletins which will clutter your coffee table for the precious moments you spend with your family (quality

time). You will even lower yourself to the occasional DX contest in order to make the country count leap ahead, followed by hours of QSLing, return envelopes, bargaining for used IRC's and hunting for "green stamps". Finally, someday after 10 or so years, with patience (grinding of teeth in the presence of DX hogs and Pileup policemen), perseverance (sneaking home at lunch for that 15 meter opening) and pride (checking out the DXCC column in QST each month), you will climb that ladder that has lured Dxers for 54 years. In the November 1937 issue of QST, the ARRL announced "the first members of the A.R.R.L. DX Century Club". There were only five members listed in that first announcement. If you haven't tried Dxing, give it a shot. Now you know what to expect.

### OSL of the Month

I don't blow my own horn in this column, but this month's QSL is so rare I just couldn't help myself. Below is the YAØRR card received this month directly from Moscow. INDEXA says that there has been a delay on the picture cards from Japan, so folks who worked Romeo will have to be patient and hope the QSLing chores will be caught up soon. Some members report that they still have not received their QSLs from the 3W3RR and 1SØ operations; now Romeo has the XYØRR operation with another 50,000 or so contacts.

## AFGHANISTAN



# YAO R



EQUIPMENT SERIAL	AGE			VSS	DOW	HRT	FUEL
	YR	MONTH	DAY				
AD15	17	1	91	0521	14	199	CW

[illegible]

Speaking of DX, Darrell KF5DA sends in the complete scoop on the Mexico Contest DXpedition mentioned in last month's C&E. Darrell writes, " Claude KD5RQ is organizing a contest Dxpedition to Mexico for the CQWW SSB DX contest 26-27 October 1991. The contest site will be in Ojinaga, Chihuahua, Mexico, just across the Rio Grande River from Presidio, TX. The radio site will be two large rooms in an orphanage and there

is plenty of space for all of the antennas. This is planned as a major effort with four stations on the air at all times during the 48 hour contest period. Lawton area hams who are planning to go include Paul, N5PYD; Darrell, KF5DA; Mat, N5PTV; Joe, N5NVQ; Paul, WB5NDN; Bo, KB5PPZ (YL op); Bob, KA5YED; Clarissa, KB5KKJ (YL op) and Claude, KD5RQ. The callsign that will be used is XE2MOO."

(No, I am not making that up, Ed.)

Darrell continues, " The contest stations will include yagis for 10,15 and 20 meters and dipoles for 40, 80 and 160 meters...The advance party will depart Oklahoma on 23 October in a motorhome and van. The van will pull a trailer for the gear and a piano. (No, I am not making this up! Ed.) Another group will fly down on 25 October in time for the contest...

Darrell concludes, "This will be a major effort to get the biggest score possible, to be number ONE from Mexico. Help build the score by giving "MOO" a call during the contest!" As of press time one other 1991 Dxpediton by OKDXA members is KH9/WE5I and KH9/AD1S, also scheduled for the time around CQWW SSB contest. Sponsored by the OKDXA and the Oklahoma Comm Center, Craig, WE5I and George, AD1S are scheduled to depart OKC on 21 October for arrival on Wake Island on 23 October. Pre-contest operation will be on all bands but will concentrate on 40 and 80, including CW and RTTY. There will be an all-band multi-single effort during the contest plus a possible single band effort with the other callsign. There will be a short period of SSB, CW and RTTY operation after the contest before we tear down and ship everything back to the Sooner State. Equipment will consist of ICOM IC-735 transceivers, AEA linear amplifiers, Cushcraft A4S yagis for 10,15 and 20, plus Windoms for 40 and 80 meters. Both stations will be fully computer controlled and RTTY will be an active mode during off-contest periods. All QSLs for this operation go to OKDXA, Box 88, Wellston, OK 74881. Hope to hear you from KH9!

Because the editor of this column will be off to the Pacific next month I would like

CONTINUED ON PAGE 4

<b>1. AERONAUTICAL CENTER ARC</b> Meets: First Thursday, Flight Standards Building, FAA, South MacArthur 7:30 pm. PR Doug Teachman, W0DXA 392-5458 S/T Ted Anderson, NY5W 685-4016 AsVP Harold Todd, WA5VAQ 685-3885 Asvp Charlie Greene, WA5JGU 943-5631 Editor: Jack WB5SUN	<b>11. EDMOND AR SOCIETY</b> Meets: Odd Months, 3rd Sunday, 2:00 pm, Edmond EOC; Dinner, Even Months, 3rd Friday PR Tommie Guinn, KA5WAV 341-3886 VP Mike Delaney, KB5HXT 341-7847 SE Jim Richardson, N5OHL 524-0456 TR Aldon Sage, KB5LIC 341-8978 Editor: Mike Delaney, KB5HXT 341-7847
<b>2. CENTRAL OKLAHOMA VHF</b> Meets: 11:00 am, 3rd Sat., Favorite's Cafe, 3701 S. Western, OKC PR Jack Muse, WB5ZKZ 691-1152 VP Fred Boardman, W5NL 427-2505 SE Joe Buswell, K5JB 732-0676 TR Ellard Foster, W5KE 789-6702 Editor: Joe Buswell, K5JB 732-0676	<b>13. KAY COUNTY ARC</b> Meets: 7:00 pm, Third Thursday, Sep-May, Pioneer Vo-Tech, Ponca City, OK PR John Spoon, WB5YSX VP Marsh Pronneke, WA5UB S/T Gary Robison, WB5WMD 765-9727 Editor: Dave Land, KD5FX 762-8616
<b>3. MID-OKLAHOMA REPEATER, INC.</b> Meets: First Tuesday, 6:30 pm social, 7:30 meeting, Skyline Cafe, 1631 S.E. 15th PR Steve Cornman, KB5CDF VP Jim Buswell, N5BEQ SE Robert Moose, N5QKJ 843-6438 TR Toy Graham, N5QOK 632-0225 Editor: Stewart Holly, KD5DL 737-3700	<b>14. CIMMARON ARS</b> Meets: 7:30 pm, second Thurs., WX5Y Playhouse 827 S. 13, Fairview PR Curt Briggs, N5RHO (405) 227-4641 VP Terry McCall, N5MLT (405) 227-3672 SE Dennis Painton, WK5V (405) 764-3599 TR Nadine Painton, N5FMH (405) 764-3599 Editor: Jack Day, NN5Z (405) 227-3462
<b>4. OK CITY AUTOPATCH</b> Meets: 7:30 pm, third Tuesday, Salvation Army, N.W. 50th & Penn. PR Jim Bartlett, KA5PSF 359-1299 VP Baron Bieber, N5PQK 557-1664 SE Ken Goddard, WA5DTL 946-4973 TR Mac Macdonald, K2GKK 672-4947 Editor: Baron Bieber, N5PQK 557-1664	<b>15. SOUTH CANADIAN ARS</b> Meets: 9:30 am, Second Saturday, Red Cross Bldg., North OU Campus, Norman PR Dorinda Skaggs, N5IUA 799-5363 VP Steve Wolfe, N18W 329-0203 TR Charles McCown, WB5UUX SE Ken Brown, N5KUK Editor: Ken Brown, N5KUK
<b>5. OKLA. UNIVERSITY ARC</b> Meets: 7:30 pm, Second Tuesday (Sep-May) 119 Wilson Center, 1334 S. Jenkins PR Frank Donaldson, N5IQJ 329-4172 VP John Wustenberg, KE5N 325-2382 S/T Jim Greenshields, WD5HPU 321-9981 Editor:	<b>16. EDMOND AR CLUB</b> Meets: 7:00 pm, Second Monday, Various locations. PR Mark Northcutt, WD5DYI 755-4672 VP Wendell Cochran, WB5ISO 943-4308 S/T Kay Northcutt, WD5DYJ 755-4672 Trustee: Dennis Orcut, WB5ISN 340-0034
<b>6. ALTUS ASSOCIATION</b> Meets: 7:30 pm, Second Thursday, North Main Fire Station, (CD) Altus PR Loren Simms, WA5CBF 477-0921 VP None S/T Jim Molladah, KB5LS 482-5308 Editor: Jim Molladah, KB5LS 482-5308	<b>18. GREAT PLAINS ARC</b> Meets: 2:15 pm, First Sunday, Home of N5LRR, 2914 Osage Drive, Woodward PR Bob Bayles, WB0GAX, Woodward 254-3561 VP Andy Taylor, N5LRR, Woodward 258-4017 SE Rod Ford, WB5OVT, Gage 923-7683 TR Freida Patterson, N5EOX, Woodward 258-2111 Editor: Phillip Perry, N5QCN 938-2453
<b>7. BICENTENNIAL (76er) ARC</b> Meets: 7:30 pm Second Tues., 1801 N. Lincoln Blvd., Parking in Rear PR Hank Stokes, KB5XM 376-1067 VP Chad Drewery, N5QIQ TR Bill Skipper, KB5BS 392-4612 SE Jack Conley, AA5VU Editor: Not Filled	<b>20. CENTRAL OK COMPUTER ORG.</b> Meets: Second Saturday, 12 Noon, Oscar Rose College, Midwest City PR Don Fox 733-8480 VP Patrick Roberts, KA5ZYM 681-5220 S/T Martin Schiel Editor:
<b>9. WHEATSTRAW ARC</b> Meets: 2:30 pm Second Sunday, Location Varies, see Club Section for Details PR Edgar Engbrecht, W05B, Okarche 263-4411 VP Neal Kappus, N5KCO, El Reno 262-1551 S/T Joe Garland, WA5FLT, Calumet 893-2660 Editor: Ralph Wilder, WZ5PFF, Watonga 623-5421	<b>CENTRAL OKLA RADIO AMATEURS</b> Meets: 7:30 pm, Fourth Tuesday, Salvation Army, Penn & NW Highway, OKC, (Back Door) PR Frank Tassone, AA5GI 341-1124 VP Dorinda Skaggs, N5IUA 799-5363 SE Jim Buswell, N5BEQ TR Tom Mangham, K5LDI 677-5291 Editor:
<b>10. OKlahoma DX Association</b> Meets: Quarterly - Hamfests, DX Net Saturdays - 1600 UTC-7.195 MHZ, Box 88, Wellston, 74881 PR George W. Adkins, AD1S VP Darrell Reed, KF5DA SE Paul Harrop, WB5NDN TR Paul Wardell, N5PYD Editor: George W. Adkins, AD1S 356-4101	

PLEASE help us keep your information up to date. What time, where, when, who are your officers, editors, and their phone #. Check YOUR entry, it can be changed.

If there appears to be a mistake - check with your club official. We can't do anything about it. Below is a sample label.

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1234 W 49		
McCLOUD OK 74851		

The "4" means Autopatch Club, 90/01 means he is overdue. The "2" is for postal rates.

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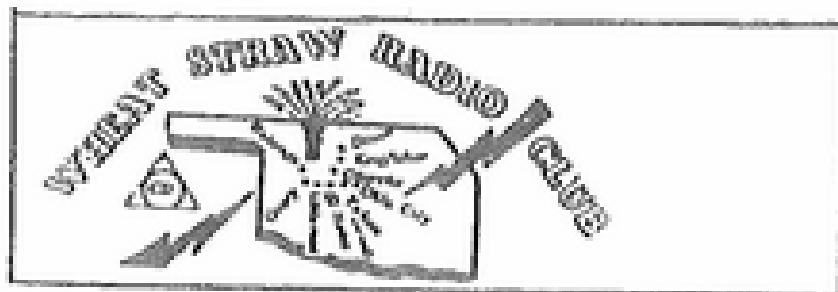
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The September meeting was held at Mead Park in Weatherford. There were 23 present. 3 were visitors, N5QOK Toy and his wife Linda. Toy was reared in Watonga and is well known there. Linda has the amateur bug and is working on the Novice class. They now live around Oklahoma City.

Third visitor was Jim Ridley K5LGW. Jim's home is in Clinton. In February Jim will have 20 years as dispatcher for the Highway Patrol.

In the absence of our president, N5KCO Neal conducted the meeting. K5GBN Johnny was Secretary Treasurer in the absence of WA5FLT Joe. There were no problems, both have been there many times before.

Many nets and their frequencies were discussed. If you wish to get on an early net the Arkansas Net is on at 6 am every morning except Sundays. Freq 3885.

The replacement repeater is still waiting on some parts then it can be put in service..

Looking at my notes, K5CPZ Carol and N6SCL Joe came just after the meeting had started bringing the count up to 25. It was certainly a pleasure to have Carol back so soon after her operation. Congratulations on your quick recovery.

WA5PFK Ralph asked where were having the Christmas Dinner this year. After discussions, KB5MPM Venus is going to check with the Brass Apple in El Reno and the Golden Corral in Yukon. WA5PFK Ralph is to check the End O' Main. Then we will go from there.

N5NZU Jane, said the JOTA is coming up soon. Don't forget to check your QST for date, times and frequencies. It is for all Scouts, boys and girls. Make contact with them, you will enjoy it. The Scouting program is the greatest for our youth, when they have good leaders.

K5GBN Johnny played a tape called News Line. It was mostly on FCC rules and some stiff fines handed out to violators. We need more education on the rules. Fine program Johnny.

Meeting adjourned for a watermelon feed and fellowship. About five o'clock we started home. Thanks to you who brought the salt. The melons were neither too green or too ripe. They were just right.

The next meeting will be at Kingfisher at the Kingfisher Bank. Located at 124 S Main, or across the highway west of the court house. Meeting will be October 13th at 2:30. K5LLX is net control.

W05B Ed and KG5JB Betty missed the meeting, they were on vacation down in San Antonio TX. They had a great time, it is a good place to go. They went up into the

Space Tower. It is equal to a 75 story building. It has two elevators, one going up and one going down. They load and unload at the same time. The buildings look so small. It is surprising how many lakes you can see from up there. The I-35 Highway can be seen through town, the cars look like ants.

They went to Sea World, down Market street and many other places. The river boat ride was very interesting and beautiful. The ride goes by restaurants where you are served outside, there are lots of large cyprus trees. Visiting the Alamo, and old mission, where the Texans were massacred by the Mexican army in 1836. The first morning they were there it rained, all day, the rest of the time the weather was fine. Ed and Betty visited many other things but I can't mention them all. We were happy to welcome them home.

September the seventh the Enid Radio Club had VE testing. WA5UEW Alice passed her Extra Class theory and is now working on the code, 20 wpm. Dale Scruggs of Hennessey passed the Technician Class, then passed 13 wpm. I took the 20 wpm code and passed it.

On Labor Day weekend Goldie and I went to Gainesville TX for two days. Came up to Duncan, spending Labor Day with our daughter and family. They took us to Ft. Sill to visit the museum. It looked like they had every make and model cannon ever made. We saw a film on How and Why Ft. Sill came about.

In the film was a short story about Quannah Parker, the fighting and capture of Geronimo. There were two jails. Geronimo was kept away from the main jail or brig as some were called. General Custer's next to his last stand was fought at Ft sill. We hardly scratched the surface. There is a lot of history, it will take a lot more time. There is a lot of pretty duplexes on the fort grounds that the commissioned officers live in with their families.

The largest jail walls were three feet thick. Very small quarters. One outside open space for a window with no glass or screen, just bars. About 6 inch thick doors. Representing life in a cell the manikin had a uniform on, one blanket, a home made seat about 2 1/2 feet square with no back, no commode just a chamber bucket. There are some very interesting places to visit in the state of Oklahoma.

Checking with the End O' Main concerning our Christmas Dinner. Eating there will be a total of \$7.60. Catered and we furnish the facilities. This price includes dinner, drinks and the tax.

WA5PFX Ralph

KNOCK, KNOCK

Who's there?

Armenia.

Armenia who? Armenia what I say.

## CIMARRON

"Well, hopefully, September will bring us all back together again", stated Jack in the last issue of C&E.

Little did we know that the lighting of a match in a gas filled cellar caused the loss of our editor, our helper, our loved one, and our friend, for on August 23 1991 Jack Day NN5Z became a Silent Key and is now talking with our lord, "face to face". We are already missing Jack, but realize his desire would be for us to keep going.

President Curt Briggs N5RHO chaired a meeting of Raymond Barnes AB5Z, Ruth Simpson WX5Y, Betty Day KA5RTW, Nadine Painton NSFMH, Dennis Painton WK5V, Terry McColl N5MLT, Leo Peil WZ5H, John Medley KB5NBQ, Steve Schoonmaker KF5SW and Karen Schoonmaker Associate member.

John was elected to finish the year as editor.

Nadine made a motion that we have a covered dish supper at the Longdale Community Building on November 9, at 5:00 pm, and that we have our Annual Christmas Supper December 6 at the Betterment Club, catered by Keck's Feedlot II. Both motions carried.

John was applauded for upgrading to Tech, then the Question "Have you started studying for General?"

Following the business meeting we watched a very good video on Ham Radio.

Thanks Dennis.

Don't forget the WX5Y Playhouse, October 10th.

BE THERE OR BE SQUARE!

73 KB5NBQ

JACK: I've eaten beef all my life, and now I'm as strong as an ox.

MACK: That's funny. I've eaten fish all my life, and I can't swim at all.

JACK: What happened, Mack, did you have an accident?

MACK: No, I bet Zack that he couldn't carry me up a ladder on his back, and I won.

## OK DX Continued

to extend an invitation to any OKDXA member to send an article of DX interest to the C & E editor in time for pasteup this month. Check the C & E calendar for the pasteup date and get your article in to Joe in plenty of time. Type it in 3 inch columns if you can. I look forward to reading your article upon my return to the U.S.A. In the meantime, good DX, de AD1S.

### DUCKIE IN YOUR CAR IS A NO-NO

Give me a noisy signal, dropping in and out of the repeater, and the person on the other end acting like he hears the repeater fine, and you have someone who is trying to work the repeater with a rubber duck from within a car. You hear it every day, someone trying to make autopatch calls with a signal so bad it's hard to read. Keep in mind today's talkies have very sensitive receivers, but only 5 to 10 percent the power of a mobile rig. Then add a rubber duckie to the HT, which shows a LOSS compared to a 1/4 wave antenna, and you can understand why they radiate so poorly. The biggest boost you can give your HT is to instal an outside antenna on your car. That will give you about 30 db of gain over a rubber ducky inside the car. You CAN make a big rig out of your HT.

Ham News Outlet via Enid ARC Light

Bill: I had a big argument with Will. I would have beaten him up if I hadn't been prevented.

Jill: What prevented you?

Bill: Will.



### ALTUS AREA AMATEUR RADIO ASSOCIATION

Received a phone call September 10 from Harold W5DLB at Hobart, that Jim Lanterman W5UJN, 522 N Jefferson, Hobart passed away at a local hospital. He is survived by his wife, Shorty of the home and their children in other areas.

Back in the AM days, they were always around for hamfests, get-togethers and "storm warning nets".

Our prayers and best wishes go with them.

The ARRL/VE test session at Altus, scheduled on the second Saturday of each quarter will be conducted October 12, North Main Fire Station, downstairs, in Altus, 12:30 noon. Pre-registration is not required and "walk-ins" are welcome.

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A reward of 500 microfarads is offered for information leading to the arrest of Hopalong Capacity. This unrectified criminal escaped from a Weston primary cell where he had been charged in ions awaiting the gauss chamber. He is charged with the induction of an 18-turn coil named Milli Henry, who was found choked and robbed of valuable joules. He is armed with a carbon rod and is a potential killer.

If encountered, he may offer series resistance.

The Electromotive Force spent the night searching for him in a magnetic field where he had gone to earth. They had no success and believe he returned ohm via a short circuit. He was last seen riding a kilocycle with his friend, Eddie Current, who was playing a Harmonic.

--From "Dots and Dashes" by Joe Bowerman, WA4LXP, Bluntsville, Alabama

### THE CAT THAT KNEW MORSE CODE

This is a strange story told by the radio officer of a ship. This radio officer adopted a black cat named Maggie and it became fascinated by the loudspeaker in the ship's radio room. The cat used to spend hours sitting in front of the speaker, just as though it was in cat heaven. ^The radio officer, during the long night watches with nothing to do, got the idea to teach the cat the ship's call sign as an experiment. For weeks he initiated the ship's call on a buzzer, simultaneously tapping the cat's forepaw on the table. After a time, sure enough, the cat would recognize the ship's call when other ships called and it would stand up and meow. When the operator turned in at night, he used to leave the speaker on, with Maggie keeping guard and wearing a happy expression. Early one morning, weeks later in the middle of the Pacific Ocean, the operator awoke to find Maggie frantically pawing his face. So he dashed to the radio room and discovered another of the company's ships calling for medical assistance for one of its firemen, who had symptoms of appendicitis. This story is the cat's meow and the radio officer swears it's the truth. This reporter suggests that the cat's unofficial call might be K8AT.

Worldradio via Enid ARC Light.

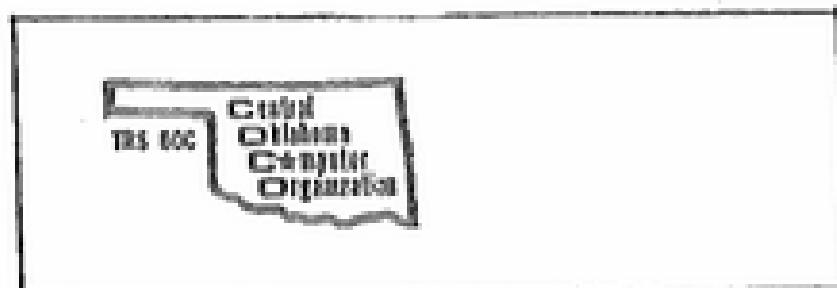


STATE FAIRGROUNDS  
Nov. 16th & 17th  
DISCOUNT TICKETS  
Available



Sponsored  
By





The regular meeting of the CENTRAL OKLAHOMA COMPUTER ORGANIZATION was held at Rose State University on September 14, at noon in the Business Building. The meeting was attended by eighteen persons, including Patrick Roberts, V-P; Martin Schiel, Treasurer; and Dorothy Roberts, Secretary. Patrick presided over the meeting.

**NEW BUSINESS--**The programs for the future meetings are: "Quicken" by Linda; "Laser Printers" by Tom; "Modems" by James; and "Record Breaker" by Dorothy. It was suggested that COCO go to the Dallas electronic flea market sometime during good weather. **SOFTWARE PROBLEMS--**One member wondered if anyone knew how to copy Basic ASC to OS-9 on the COCO. No one could help; if anyone knows the answer, please contact the secretary. Martin has been lucky with DOS 5.0; however, "Carousel", "click mouse"; "PC Tools 7.0"; and "slowed down performance" have created some problems. Dorothy was trying to get an old IBM at work to cooperate. The programs started or wouldn't start at all. The program stopped cold with "an illegal function error". No one could help. (Update: The monitor was an old TTL and wouldn't accept the graphics in the program. The monitor would have to be changed and a graphics card would have to be installed.) A gentleman gave the club a list of share ware programs that are available.

**HARDWARE PROBLEMS--**There were none.

The program started at 1 o'clock in the computer lab. Dorothy presented a introduction to working with WordPerfect 5.1. Sixteen



Hi Folks:

Well its been a while since I have tried to write the article for the C&E But if you will bear with me, I'll try to write a few lines.

Here it is Fall again and time for ham classes, they started Sept 22nd but there is plenty of time to get enrolled. So get off your duff and get that special someone up to the classes. The place is the St John the Baptist CATHOLIC church At 9th and Littler or 9th and BOULEVARD it takes up the entire block. We will meet in the south west corner building.

Do you know any body that would like to become more active in the club affairs? Now is the time to speak up. Elections will be held at our November meeting. Nominate your choice at the meeting or contact one of the nominating committee now !!

Are YOU HUNGRY? Me too! Stay tuned to the information net on monday at 8 PM local time for up coming details.

The next board meeting will be October the 16th at the EOC.

people typed, embellished the text, corrected mistakes, spell-checked, moved portions of the text around, worked with two documents, saved the text, and printed the text. Everything worked well, especially with the help of Al Ingle. About three, however, the class started having trouble printing and doing the more difficult operations. Overall, the class was successful. The club would like to thank Al for all his help to COCO and to the class.

Next month's meeting will be held at noon at Rose State University in the Business Building on October 12. Linda Wycliff will give a presentation on "Quicken." See you!

The meeting will start at about 7 PM, you are welcome to attend.

You may think it's a little early but Christmas is just around the corner and plans are being made for the EARS CHRISTMAS dinner. The scholarship committee has come up with a plan that seems to fit our needs. They propose to sell advance tickets for the dinner this way they can get a close estimate on the number of people attending. This way they can cut down the waste, and keep the cost to all of you down. What do you think? Let them know soon.

Just one last thing before I go. As most of you know Post 73 is a EXPLORER post co sponsored by EARS and the RED CROSS. They will be having a first nighter on October 12th from 4pm to 6pm at the Red Cross 601 NE 6th st. Age's 14 to 21 yrs. This is a coed post why not stop by and visit and get acquainted. Ask Kay about the tomato patch!!

73 KA5WIS

## QST QST QST

The Oklahoma Night Owl Net now has a new home! Please join the net on the Edmond Amateur Radio Society repeater located on 147.135(+). The net meets each night at 10:30 pm local time. It is open to all liscened amateurs and is not affiliated with any single club. The net handles routine traffic and allows those checking in the option of making bulletins and/or other announcements about their club's events or meetings. In addition, those on the net may discuss any topic of general interest to the amateur radio community. The net is also a place to make contacts with other stations--or if you wish to sit back and listen, you may check in for count only.

Contact the net manager, Frank AA5GI for more information.

Hope to hear you on the Night Owl Net.  
73 Jim N5OHL

LENNY: I just burned a one-hundred dollar bill.

JENNY: You must be really rich.

LENNY: Not really. It was my telephone bill.

DON: The cranberry crop failed this year.

Ron: Now we'll have to get along without a cranberry source.

NOT FOUND IN WEBSTER'S

Pauper: the guy who married mamma.

Finally, or course, it came to me! I had been testing a variation of my serial port input-output driver for Unix. The missing character would just about correspond with the point where the modem (KISS TNC) drops the data carrier detect (DCD) at completion of a packet transmission over the serial line. I restored my old driver and the problem went away.

But wait. What about Steve's observation? That still had me worried. Since I have sent this stuff off to TAPR, I have assumed a more responsible attitude about bugs in the program. The next Saturday morning, Steve and I set up a test, and sure enough, there was a checksum error; this time it was being transmitted with an error though, and the file transfer was always stopping at the same place. My trace showed a suspicious number in the checksum error report though.

Steve telephoned me a copy of the file he was trying to send and I was able to transmit it back and forth between my computers, and to his computer without problems.

Well, of all things, Steve and I had been making modifications independently and happened to cause two problems that had almost the same symptoms. I consider us lucky to find this one as quickly as we did.

The silver lining of this exploration was that I was able to fix another obscure bug in the program that only rarely happened. Under close examination I spotted it. I am so comfortable with the current version that I am sending it to TAPR, and while I am at it, to Kantronics which might find the dual port operation interesting.

This is the first piece of Kantronics equipment I have bought. I am still rankled that the KPC-1 and KPC-2 only offer a watch dog time-out timer as a option. I think that is really stupid. I didn't play with the built-in firmware but the mailbox and gateway features look pretty nice on the KPC-4. It has two VHF modems built in, and they are probably as good as you can get for squelched UHF/VHF (FM) radio work. These modems probably aren't very good for HF operation because the TCM 3105 modem chip is intended for telephone connection where there is low background noise. With auxiliary data carrier detect circuits they might work pretty well, though. My experience on HF packet is limited to the AEA PK-232, so I am really not qualified to comment on the usefulness of the

KPC-4 on HF. In fact, I didn't read much of the Kantronics literature beyond what was necessary to put it in KISS mode and put it on the air. The KAM is a different breed of cat, with designs to make it work on HF.

I really got a kick out of watching the LEDs on the KPC-4 wink as data was being received on one radio port, sent over one serial port to the TCP/IP program, sent back out the other serial port, and then transmitted over the other radio port. Drives home the result of the code Steve wrote to do that. Thanks Steve! Joe, K5JB

#### T-2000 Bites Dust

The other evening, while sitting around the ham shack waiting for something to break, I decided to take a look at an old project on my Tandy 2000 computer. I only bring this up because there used to be a bunch of them around, having been imported by Bob, WA5CJG, after an auction in Fort Worth -- maybe someone else can benefit from my discovery.

My discovery was that the floppy disk drive no longer worked. It is an odd one, 720k capacity on a 5 1/2 diskette (twice normal). This drive never was too reliable, but now was totally unusable. I disassembled the thing to see if a loose cable, or maybe just dirt, were causing the problem. No Joy! I couldn't revive it. Oh, well, no big deal. The computer has a good communications program on the hard disk and I can ship files to and from it over the serial cable.

But wait. How about the dozen or so floppies formatted on it. I wonder if anything on them is worth saving. Drat! There are some old C&E columns on one of them; and there are some old tax records on another. Well crum! The computer sure isn't worth trying to fix, so maybe there is another way. I called Compuserve and found the Tandy forum, which still has a section for the Tandy-2000.

Aha! I found it! Someone had uploaded a couple of ways to make the odd diskettes readable on a standard MS-DOS computer. They did require using a high density disk drive (1.2M) but looked like good solutions, and they were!

The process involves changing one byte on the disk to make it recognizable as an 80 track, 9 sector diskette. Then with a provided driver loaded, the

diskette is not only readable, but new ones can be formatted, etc.

There is very little advantage to doing this except to have the ability to use cheaper 360k disks instead of the 1.2M high density ones. You get 720K capacity instead of 360K. In fact, I did a diskcopy from the 3 1/2 drive to a 5 1/4 drive and successfully copied a 720K 3 1/2 inch floppy.

Let me know if you need to recover data from the T-2000 floppies. My T-2000 is now one of those new-fangled "diskless workstations"! Joe, K5JB

#### Joke's on Him!

Here is one Monte, WB5RZX, forwarded to me. It is about drinking and driving and came originally J. D. Baldwin, U.S. Naval Academy:

My mom, who tells me all my best jokes, told me this one:

A cop is waiting across the street from a bar parking lot late on a Saturday night, watching for drunks trying to drive home. After a short wait, one particularly sad case stumbles out the door, front of his shirt soaked, bleary-eyed, confused, wandering the parking lot looking for his car. He locates his car, fumbles for his keys, gets in (bumping his head in the process) and drives off, bumping the curb on the way.

Of course he doesn't get very far at all before the cop is on him, and he immediately pulls over. The cop has him step out of the car, sizes him up, and administers several field sobriety tests, with much effort (the driver has trouble understanding some of the tests). The driver fails all the tests miserably: can't touch nose, can't walk straight, can't stand on one foot, can't recite a speedy alphabet.

The final legal step, of course, is take him down to the station for the breathalyzer test. When they get there and the test is set up, the cop asks his subject to blow into the tube. Green light. In disbelief, the cop checks the breathalyzer and has the suspect try again. Another green light--the guy's blood-alcohol level is legal.

"Alright," says the cop, "how can you pass a breath test when you're so obviously falling-down drunk?"

"Well, it's like this," replies the guy. "I'm the designated decoy."





VHF Club  
NEWS

W5LOW  
*The Elmer Goetzler Memorial  
Station*

### Minutes of September Meeting

Meeting was called to order at 11:55 a.m. by President Jack, WB5ZKZ, with 17 members and guests present. Ellard, W5KE, gave the Treasurer's report. After some delicate parliamentary maneuvering, Jack, WB5ZKZ, was elected Turkey Of The Month!

Joe, WA5ZNF, related his difficulty in continuing as General Managing Editor of the C&E and advised the group of proposals he was going to present to the next CORA meeting. He said we had put out 199 issues of the CORA C&E. The Club gave him a standing ovation for his efforts over the years.

Meeting adjourned at 12:10 and Charlie, WA5JGU, proceeded to show a video tape he edited to show highlights of recent travel to Colorado. It featured scenes from Lake Erwin (near Crested Butte), Lake City, Capitol City, Ouray, and Silverton. It showed some particularly good shots of the Durango & Silverton railroad train arriving. Thanks Charlie -- Nice job of editing. Joe, K5JB Sec'y

### C&E, Reminiscing

At the VHF Club meeting, Joe, WA5ZNF, said that we had put out 199 copies of the C&E. I haven't been counting so I have to take his word for it. It set me to remembering "way back when".

Prior to the CORA C&E, there was the Aeronautical Center ARC Collector and Emitter, published by Carl Drumeller, W5JJ. It was a high quality publication, done in half size (8 1/2 x 11 sheets folded, with a blue cover. I have no idea how long Carl published the C&E, but it was an award winner and its quality was recognized by the commercial amateur radio publishers.

When Carl was no longer felt he was up the task of preparing the monthly publication, he offered the name, Collector and Emitter, to the newly formed CORA, to use for a proposed joint club newsletter. Joe, WA5ZNF, came along at precisely the right time.

Joe had earlier in his long career published a newspaper and knew the ins and outs of the business.

I had some writing and galley preparation experience, and there were other willing helpers so met on "paste up night" to take the articles submitted by the clubs, prepare camera ready copy and leave it with Joe to shoot and make printing plates. Later, we met Joe at Gardner Payne in Midwest City at the Planet office building to print, collate, staple, label, and otherwise make the C&E ready for mailing. (I know I probably spelled Gardner Payne wrong -- can't find reference in the phone directory for it)

Bob Graham, WB5NSV, maintained our earliest mailing list on Addressograph plates. Bob was pretty clever with computers and had an idea he could manage the subscription list, using his Southwest Technical Products computer, keeping the address list on cassette tape, and using an old line printer at the ACARC to print the labels.

It was in this period I first consented to take the Secretary position of the VHF club because of difficulty I had extracting the minutes out of the Secretary in time to compose a page for the club, heh!

My first submissions were typed on an "Old" Underwood electric that was originally a telegrapher's model. It had no lower case characters. It was certainly easy to spot my column in the C&E! I finally acquired an Apple computer and an IBM Selectric typewriter that had been modified by Tom, WA5TSJ, to have all the required solenoids to make it computer driven. I wrote a little program that took the text and formatted it in three columns printing all three of them across the 11 x 17 page at once. Printing a typical column took about an hour, but that was the end of my "paste-up" experience.

For a period, we met at the Red Cross Headquarters to do the paste up. These were quite enjoyable social events, with all the chatter between the various club editors while work was progressing.

Joe was always pretty resourceful and made some good business recommendations that kept the C&E affordable in spite of rising costs. He arranged for a Second Class mailing permit, with all the bureaucracy that entails, kept all the necessary records together, and generally kept the C&E alive. When clubs failed to submit enough material to fill a minimum amount of pages, Joe found the filler material.

Later, Joe arranged for his son Owen to print the C&E and, with Frances' help, he attached mailing labels and bundled it for mailing. Only once do I remember in recent times having to help in the assembly process, and that was when Joe had his first heart flare up. Fred, W5NL; Bob, WB5NSV; and some others whom I have forgotten went to Joe's house and under Frances' supervision, managed to get an issue out for him.

We've had a lot of fun together Joel. Thanks for the memories! Joe, K5JB

### TCP/IP Wrap-Up

I reported last month that Steve, N5OWK, had come up with code to permit both ports of a Kantronics KPC-4, or a KAM, to be used separately by the TCP/IP program. It worked out so well, and I got so excited that I called Glen, WN5J, one of the Good Guys at Oklahoma Comm Center, to see if there was a KPC-4 in stock. He said there was, so I charged over to pick one up. Man, am I glad that store is here for us impulsive types!

The KPC-4 came well equipped with all the cables and things needed to put it on the air, but because of my audio bridge setup, I had to make all new cables for it. Before sunset I had it on the air, providing a new 146.415 port for the TCP/IP and replacing a PacComm Tiny-2 that I needed elsewhere.

With the TCP/IP running the three ports (one on the NET/ROM UHF backbone, one on .01 and one on 146.415), it can act as a cross-band digipeater. With a little electronic mirror trickery, I am now able to call on the phone and interrogate any of the systems.

We did have a moment (er, a few days) of concern though. I noticed a hang when transferring files over the air between the Unix and MS-DOS computers and the trace test showed there was a checksum error happening. Steve, N5OWK, had also noticed a checksum error between his and my computers (both MS-DOS ones). I spent three days closely studying the code and couldn't see what in the world could cause it. I set up a third station to trace the transactions between the Unix and MS-DOS boxes and it indicated that the transmitted packets were OK, but were interpreted wrong on the Unix machine. There was a character missing from some of the packets.



STANDARD OPERATING PROCEDURE FOR COLLECTOR & EMITTER  
12 AUGUST 1991

RECORDS:

- A. The "square" attache case has most of the material needed to edit. Triangles, rulers, paste etc. may be any where.
  - B. "American Tourister" attache case has all records, forms and material to mail. The latest printout (in envelope) shows how much we have on deposit to pay postage. Don't let it fall below \$95.00.
  - C. Bob Graham (680-6733 or 680-4554) has the list of subscribers on a disk. He can print you a master list, correct it and get it back to him by the 15th.
  - D. Members signed and dated slips are in a file on top of the desk.
  - E. Prepaid advertising has the expiration date inside the ad, ie: 10-91 (October 1991).
  - F. Five copies of each issue since we started publishing are in the "closet".
- Bound copies are there also.

ONE WEEK BEFORE EDIT TIME

- 1. Go over the last issue:
  - A. Throw away old copy unless you intend to use it again.
  - B. Put all club logos in proper envelope.
  - C. Put all business card and display ads in the "Advertising Folder". Cynoak Printshop ad is run as filler when you have room.
- 2. Get next month's calendar ready. Paste in regular club meeting dates. (Check on edit night for any changes or special events). Always feature EDIT & CORA.
- 3. As soon as club copy comes in READ and make any changes in calendar, officers, etc.
- 4. **Check postage account:** If less than \$95.00 contact Treasurer to send a check for at least \$300.00 to: Postmaster, attn Window Service, Oklahoma City OK 73125. Mark for:2nd Class deposit, (CORA) Central Oklahoma Radio Amateurs, Inc. USPS 116-150.
- 5. Furnish any changes to Bob Graham (give him a week).
- 6. Labels: There are 5000 in the closet.
- 7. Type New Volume Number (it changes in February), Month, & Number (Just the next number).

EDIT NIGHT

- A. Keep in mind that the paper is printed in units of four (4) pages so the fun of it is to make it come out in 4, 8, 12 etc. pages.
- B. Be sure and work all the ads in.
- C. If you have photographs: Black & White work best, but color prints that are on the light side, with contrast, can be used. Designate the area you want the photograph to appear. There will be a charge of \$7.50 each , added to the printing bill.
- D. The November & December issue pasteup are moved up a week on account of Thanksgiving and Christmas.
- E. Note that the DATE on page one and page 3 is for the next month, the same as the calendar.

PRINTING

Our printer is: CYNOAK PRINTING, 9105 N. Council Road, Okla City OK 73132, Phone 728-3610. **TIMING** is important. We have a spot in their production schedule so get all camera ready copy to them by 9:30 am on Thursday. (I'm sure he will help you arrange it if you have any problems). It will be ready to pick up Monday morning. Give them your phone number with a request to call you as soon as it is ready - then if you don't hear from them by 3 pm call.

Pick up your copy folder - to use again next month!!!

#### MAILING

Remember: We use SECOND CLASS to save a lot of money, but the PO is very strict on the rules. A few days before you mail your first edition, I suggest you go to the post office and talk to the people in BULK MAIL at the weighers office, on the dock.

Be sure you have:

- A. At least 6 Number 3, sacks.
- B. A box of Green "3", Red "D", Orange "S" labels.
- C. Labels for the mail sacks - 4 types - (They are PINK).

For all addressed to 731--->

OKLAHOMA CITY OK 731  
2C

50 OKLAHOMA CITY OK 73125

For all addressed to 730--->

OKLAHOMA CITY OK 730  
2C

50 OKLAHOMA CITY OK 73125

Oklahoma Towns other than above->

DIS OKLAHOMA CITY OK /3000  
2C OK

50 OKLAHOMA CITY OK 73125

Outside of Okla, plus Foreign-->

DIS OKLAHOMA CITY OK 73000  
2C MIXED STATES

50 OKLAHOMA CITY OK 73125

- D. At least one sack of rubber bands. (Get from weigher).

When the labels come from the computer they are in ZIP CODE order. While C&E is at printer get labels and cut into 4 stacks.

1. All states outside of Okla plus Foreign
2. All with 730 ZIP Code
3. All with 731 ZIP Code
4. Other OKLAHOMA

**NOTICE: Put the labels on the C&E upside down.**

If you have 6 copies to ANY ONE ZIP they must be bundled together with 2 rubber bands. Bundles to be of a size that a clerk can easily pick it up with one hand. Three (3)" is about the limit. These will have a RED "D" on the outside copy with only one address showing.

If you have 6 or more copies that DO NOT have the same ZIP but the first three digits are the same, ie; 73025, 73044 etc., bundle as above with a Green "3" sticker.

If you have 6 or more copies to the same state, but with mixed ZIP, bundle as above and use an Orange "S" sticker.

MIXED STATES: All copies for out of Okla which don't fall in "S" above will be covered with a white sheet of paper labeled MIXED STATES and bundled. Flat is OK.

FOREIGN: Each copy must be wrapped individually, using a wrapper with C&E and return address and the statement "Second Class Postage Paid at Oklahoma City OK (USPS 116-150) where a stamp would be. Bundle them all in one pack with a white wrapper marked FOREIGN

#### SACKS:

1. Put all bundles with ZIP starting with 731 in one (or more) sack(s) with the proper label.
2. All bundles starting with 730 in one or more sacks. Proper label.
3. All Oklahoma bundles with other than 730 or 731 in sack(s).
4. All MIXED STATES (other than Okla) and FOREIGN in one sack.

#### STATEMENT OF MAILING

Complete two (2) copies of PS Form 3541-R (both sides) per sample attached. Bob Graham will furnish a printout, with the labels, that will tell you how many for each zone.

#### WEIGHER'S COPY

Mark each ad with the number of square inches IN RED. Total the number of square inches in advertising, determine the percentage of advertising and enter on the form 3541-R.

On the front of the marked copy enter in RED like this:

##### WEIGHER

Text	2000 sq in	90%
Adv	<u>200 sq in</u>	<u>10%</u>
	2200	100%

Take to the WEIGHER on the dock at the Main Post Office. Give them the Form 3541-R and Weighers copy, and coordinate where sacks are to be placed, usually an empty dock cart. Their hours as of 9/15/91 are: Mon-Fri 7am-6pm. Closed Sat & Sun.

Now that you have it in the post office, go home, heave a sigh of relief and forget it for a couple of days and then start planning on next month's issue.

I wish you all the luck in the world.

NOTE: CORA gave me permission to expend whatever funds are necessary to publish the C&E. Keep a receipt and you will be reimbursed.

Stay on top of having SIGNED and DATED (when paid) slips from all members or C&E may lose its 2nd Class postage rate. You will be inspected once a year by Mail Classification and they will check against the signed slips.

As it must to all men four heart attacks and two trips to the hospital in the last 60 days, diabetes, arthritis and a few other little things have called a halt to my continuing as managing editor of the Collector & Emitter. Seventeen years and 200 issues, Joe Buswell (who has written something for every issue) tells the story of putting out the C&E over the years in his article under the VHF Club logo. I am very sorry folks but I must give it up - BUT - I want it to succeed and progress.

The proposal, below, shows one way to continue. It is a proposal from my son who now prints, folds, staples and delivers to my apartment. It contains every cost possible - in fact the grand total of \$8256.00 will probably never be met but it was prepared on a continued operation or even more subscribers.

NOW - There is another way! That is for someone to step in and take my place. I now realize that I should have done this months ago but I guess I thought I was going to live forever. Anyway, I'm printing an SOP in this issue to show you how much trouble I have been taking each month to keep her going. So if any one wants to take on the job, contact me and I will help you as long as possible. Or contact the President of CORA, Frank Tassone, 341-1124 and work out something.

# PROPOSAL: For CORA, C&E

by Cynoak Corporation

Approximate monthly totals would be

To perform the job of editing and mailing the Collector and Emitter, including clerical and file duties, currently performed on a volunteer basis by Joe Harding and Bob Graham.

## MONTHLY FEES:

1. Typesetting, per page \$16.00  
(all pages except those received camera ready, and correct size)
2. Edit Fee, per page 4.00
3. Mailing list, updates, per change .50  
(includes monthly additions, deletions, or corrections, except for those caused by returned mailings)
4. Returned mailings, per each 1.00  
(includes postal charges and update)
5. Print labels, per page of 30 1.00
6. Club page, updates, per change .50
7. Attach labels, sort, bundle, per copy .05
8. Deliver to Post Office 10.00
9. Mailing Fee 100.00  
(approximately, based on quantities, and postal charges)

## ANNUAL FEES:

10. Clerical file-keeping \$750.00  
(maintain file for each subscriber, update records, fill out forms to maintain mailing list and records for Post Office necessary to retain 2nd Class Permit, meet with Postal Inspector for audits)
11. Mailing List Update, per each subscriber .50  
(required for each listing annually, to update expirations on labels, performed throughout year as each individual club renews)

1.	128.00	7.	45.00
2.	64.00	8.	10.00
3.	1.00	9.	100.00
4.	8.00	monthly total	388.00
5.	30.00		x 12
6.	2.00	Annual TOTAL	4656.00

10.	750.00
11.	450.00
Annual TOTAL	1200.00

GRAND TOTAL for annual editing etc. 4656.00 + 1200.00 = 5856.00

Annual approximate printing charge + 2400.00

ANNUAL GRAND TOTAL \$8256.00

At current rates 800 subscribers pay .35 per month, for an annual total of \$3360.00

At .45 per month, annual total is \$4320.00

To pay for the above proposal, subscription rates would need to be at least .90 per month.

RECOMMENDATION: *Someone volunteer!*

Central Oklahoma Radio Amateurs, inc.

MINUTES

27 AUG 91

The Meeting was called to Order at 7:34 pm with President Frank AA5GI in the Chair and the following Directors and Guest present representing 7 of the 16 member clubs:

ACARC - Tom Mangham K5LDI	MORI - Ellard W. Foster W5KE
OCAPA - Baron Bieber N5PQK	76ERS - Jim Buswell N5BEQ
SCARS - Donald Schader KB5ABS	EARC - Phil Wolfenbarger N5HIP
EARS - Wally Allison KB5OFR and Steve Hamlin KG5IP	
Visiting was Mike Winkel N5SOF.	

The Minutes of the two previous Meetings were approved corrected as follows: 23 Jul identities of Grand and Pre-Registration Awards are reversed as correctly noted in listings of awards on 27 and 28 Jul; total attendance reported in final notation of 28 Jul is corrected to 1,439.

The Report of The Treasury was accepted as distributed.

VEC: Phil N5HIP reports the committee donated \$250.00 of excess receipts to the Salvation Army and suggests the Board consider mailing a complimentary issue of the C&E to each new licensee thru CORA testings.

HAM HOLIDAY 18 REVIEW

FACILITIES - many compliments were received so we will probably use the Hobbies, Arts and Crafts and Modern Living buildings at the Oklahoma State Fair Grounds 24-26 July 92 for Ham Holiday 19, if available;

DEALERS/AWARDS - all appear willing to return;

PRE-REGISTRATION/REGISTRATION/FLEA MARKET - will need to work more closely together to control entry and access to the Flea Market area, may have 1- and 2-day tables separated if identified by registrant, may re-align entry tables or use different outside doors;

PROGRAMS - there were 2 no-shows, all others got good reports, need a chairperson to work up this task much more in advance than in the past;

NON-TECHNICAL PROGRAMS - had 1 no-show, others were well received;

SECURITY - it took until 5:30 Sunday afternoon to return the Building to the State Fair Board because all outside doors had been unlocked and require the same key to secure;

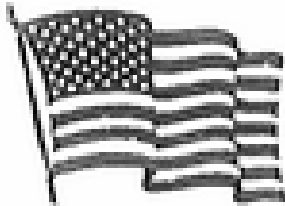



BREAKFAST - QCWA said it was packed, their best ever.

NEW BUSINESS: there appears to be no apparent shifts in committees.

The next Meeting is scheduled for 24 September 1991, same place and time, to include elections.

This Meeting was adjourned by 9:25 pm.

Secretary,  
N5BEQ, Jim.

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1 M O R I	2	3 AERONAUTICAL CENTER ARC	4	5
6 GREAT PLAINS	7	8 OKLAHOMA UNIV. AARC BICENTENNIAL (76ers)ARC	9	10 CIMMARON ARS ALTUS ASSOCIATION	11	12 CENTRAL OKLA COMPUTER  SCARS Altus VE Test
13 WHEAT STRAW	14 EDMOND CLUB	15 AUTO PATCH	16	17 KAY COUNTY	18 E A R S	19 V H F
20	21 VE TESTS 6:00 PM SALVATION ARMY 50 & PENN	22 C O R A 7:00 PM SALVATION ARMY 50 & PENN	23 	24	25	26
27	28	29	30	31 		

SCARS met on September the 14th at the Norman Red Cross. The meeting was called to order at 9:45 by president Dorinda, N5IUA. The treasurers report indicated \$912.18 in the account. Dorinda announced that WB5UUX had resigned as treasurer for personal reasons and that she has the books until a replacement assumes office.

Old Business started with a discussion of a novice class. Not enough people have said that they will help. No starting date has yet been set.

The Christmas party is now tentatively scheduled for the 6th of December pending reservation of the meeting room.

Nothing has yet been received from ORSI about re-coordination of the repeater frequencies.

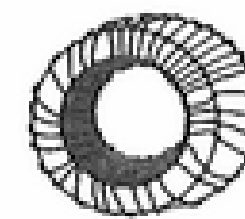
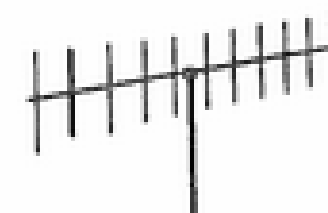
Someone mentioned that Don KB5ABS is now K15TP. His new call just arrived a day or two ago. If anyone can help Don out with some good phonetics for this call sign then give him a call.

Don discussed the previous CORA meeting and explained the final accounting for Ham Holiday. Most of the figures were published in the previous issue of C&E. The C&E account is now in good shape.

There was a discussion about the in town receiver system and it was decided to get a temporary system up and running until the permanent installation can be made.

Without much more discussion the meeting adjourned at 10:15.

de Ken, N5KUK



## OKLAHOMA TWO-WAY

RELM - REGENCY - MAXON - MIDLAND - YAESU  
GE - MOTOROLA - SHINWA - FUJITSU - KENWOOD  
SALES - SERVICE - INSTALLATIONS - ALL BRANDS

RENTALS - LONG AND SHORT TERM  
COMMUNITY REPEATERS - TRUNKING - SMR

ROHN TOWERS - AMATEUR EQUIPMENT - CELLULAR

FCC LICENSE PREPARATION  
USED EQUIPMENT BOUGHT/SOLD

VISA MASTERCARD DISCOVER  
HOURS: 8 AM TO 5 PM, MON-FRI. CLOSED NOON TO ONE

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