

SECOND CLASS MAIL

Postmaster, see page 3

The regular meeting of CORA was called to order by President Jim Buswell, N5BEQ. at 7:12 pm on June 23 1987. Directors present were:

MORI	Nora Ward
76'ers	Jerry Sproul
Wheatstraw	George Maschino
EARS	Frank Tassone
	Lee Vaughn
	John Thomason
SCARS	Monte Bateman
	Gary Skaggs
	Don Schader
OUARC	David Medders
	Mark Kleine
	Marshal Maddox
EARC	Lee Ward
	Phil Wolfenbarger
C & E	Joe Harding

Visitors present were Buddy Kidd, Chuck Wilhite, Dorinda Skaggs and D. C. Macdonald.

On motion by Gary, second by Phil, the minutes of the May meeting were approved as distributed.

Mark reported a total of \$1,822.22 has been deposited in First Interstate Bank in Norman. Following discussion concerning CORA's not having a federal identification number, and the Board's policy concerning the treasurer's authority, motion was made by Frank and seconded by Joe to accept the treasurer's report as presented. Motion carried.

Joe reported on the Collector & Emitter. Copies have been mailed to non-members who attended HH '86, and pre-registration flyers were distributed at HamCom.

There was no report from the communications committee.

Lee reported the VE sessions had three candidates and a 100 percent pass rate.

#### HAM HOLIDAY '87 COMMITTEES

DEALERS/PRIZES: Buddy reported six dealers have confirmed attendance, and others are expected to confirm. The pre-registration prize will be an Icom 3200A, Grand Prize will be a Kenwood 440S with power supply. General discussion concerning other prizes, and whether there will be hourly drawings for minor prizes. Board consensus was to eliminate the door prizes in favor of hourly



#### THE ZANY NEWS FREQUENCY By JOE, WASZNF

Apparently you have noticed that the C&E is a lot thinner this month--why?

The plain truth of the matter is that the C & E is broke, we have enough money to mail this thin issue and pay the printer. Next month we will have to see where we stand.

Why? It costs 41 cents to complete and mail a copy, the subscription rate is 35 cents a copy, that leaves 6 cents a copy to be made up by:

(1) Multiple subscribers, that is the fellows/gals who belong to two, three, four clubs and pay 70 cents, \$1.05, and \$1.40 for their subscription(s) to the C&E. None that I know of have complained about the multiple billing.

(2) Advertising. You can see that the amount of income from that source has dried up. Three or four people running a business card.

(3) Then there is the matter of clubs not paying their bill when due. Various clubs owe CORA some \$700.00. When this comes in we will be in better shape, borderline but stable, that is if we get an increase in advertising.

Nothing can be done about (1), you can help by selling advertising (I'll give you the rates) that will solve (2), on (3) all clubs will have to pay their subscriptions--now.

There you have the story, after 13 years and 151 issues, things look rough.

CAN YOU HELP

drawings.

After discussion of budget and seed money, motion was made by David, seconded by Joe to increase the seed money to \$2000.00. The President suggested an amendment to the motion to include a time frame; there was no response. Question was called and the motion was carried.

FACILITIES/SECURITY: Dave reported the July 28 Board meeting has been scheduled at Lincoln Plaza at 7:00 pm. He and Gary have inspected the roof, and found all to be well.

PROGRAMS: John reported Jim Haynie will be at HH '87 as well as someone from League Headquarters. Tom Comstock, Chairman of the Blue Ribbon Committee of the League, and Vice Director of the West Gulf Division, will be there.

Gary then handed out the programs schedule and discussed the types of presentations to be made; he said the roof inspection yielded the information that access will be even better than expected. The VE's present agreed to co-ordinate the testing sessions.

PRE-REGISTRATION: Jerry reported pre-registrations are running about the same as last year.

George showed the Board the tickets as they will appear when finished. There was discussion concerning cost overrun on the tickets; the Board agreed George should be authorized to approve any overrun himself.

REGISTRATION: Lee reported everything is going as planned, he will need a list of guests and directions on how to handle them at the door. Frank said he has the guest badges.

OLD BUSINESS: Phil opened discussion concerning the abbreviated version of the CORA minutes published in the C&E. Joe said that if he had published the entire minutes it would have added three pages and cost \$180.00. Motion

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## GREAT PLAINS A.R.C.

USNCB Repeater 146.13/73

### MISSED IT

As hopefully noticed this column was missing from last month's C&E. The OM decided it was time to make our yearly foray into the high country of New Mexico and Colorado. Consequently just too many things were happening to get the article completed. Sorry about that, I'll try to do better.

### HAMFEST TIME

The month of August in this area is filled with an abundance of excellent ham gatherings. We personally didn't get to make either Ham Holiday or the Golden Spread Hamfest at Amarillo this year. Our group was well represented at Ham Holiday and many good things were said about that event. Gerald, WG5Z, reported that the Golden Spread Hamfest was also a big success. Lots of hard work is necessary in preparing, promoting and successfully completing events such as these. Let's let those responsible know how much we appreciate their efforts!

### A SPECIAL MEETING

Well not really according to our Club Constitution, but it sure seemed so. Gerry, NC5C, and Sharon Ford invited the members of the GPARC to have the August meeting at their residence. They had all kinds of activities available for us to enjoy. Some swam, played horse shoes, tried the trampoline or just enjoyed the beautiful surroundings and the fellowship. Eleven members and nine guests enjoyed an evening of recreation, eating and visiting. Speaking of eating, each family brought at least one covered dish which were all spread out buffet style. Needless to say, there was more than enough even for the most hearty appetite. (NOTICE there were no names mentioned although the possibility of doing so did cross my mind).

During the business portion, we discussed next year's Mooreland Hamfest, the success of local Field day operations, bought a pop-up trailer for communication usage and agreed that the club would participate in special event operations sponsored by the

ARRL commemorating the 200th year of our Constitution. Preregistered Amateur Radio clubs will be permitted to replace the numeral in their call sign with the numeral 200 for a designated one week period corresponding closely to the date of the entry of their state into the union.

Possibly the most popular piece of business conducted was a motion made by Frieda, N5EOX, to have a homemade ice cream social in conjunction with next month's meeting.

Again our thanks to Gerry and Sharon for allowing us to invade their beautiful home. We certainly all enjoyed it.

### NWOSN

The totals for the Northwest Oklahoma Service Net for the month of July are: 13 sessions, with 114 check-ins and 5 pieces of Routine Traffic being handled. These statistics certainly aren't bad for this time of year.

### FOR SALE

Heath SB-100 Transceiver with Power supply and mike. The rig is owned by Bryce Burnett, KA5QEG, former club member and now a student at NWOSU at Alav OK. Contact Bryce's father, Larry Burnett at (405) 923-7869.

### CELEBRITIES AMONG US I

Gerald Bowman, WG5Z, and son Levi will be making their acting debuts soon. Levi plays a newspaper boy and Gerald portrays a Police Lieutenant in the stage play "Time After Time". The play will takeplace Sep 24, 25 and 26 at the beautiful Woodward Theater, located in downtown Woodward. Curtain time is set for 8 pm each evening. We are looking forward to this production and are proud of Gerald and Levi.

### BEST WISHES

Just as we were ready to send this article to Joe we were concerned to learn that Ruth Simpson, WX5Z, had been a patient in one of the Enid Hospitals. Speaking for all the members of the GPARC we can certainly wish for this fine lady, who is a credit to our fraternity, a speedy and complete recovery!

### THAT'S ALL FOLKS

Don't forget about the home made ice cream social being planned for our September meeting. I'll bet some of our Kansas members will even drive all the way down for that!! Until next month..73

Lois, N5JGQ



146.34/94  
Thursday  
8:00 pm

If you haven't already gotten the word, ARES now meets every second Tuesday. The date was changed so our meetings would not conflict with the monthly CORA meetings. Plan on being at the new Salvation Army headquarters, 5101 N. Pennsylvania, at 7:30 PM. Entry is through the west door.

We still have our weekly VHF net on the 146.34/94 machine. Check in with us every Thursday night at 8:00 PM. We'll try to have something for everybody, but most of the net will be devoted to emergency preparedness and operations training.

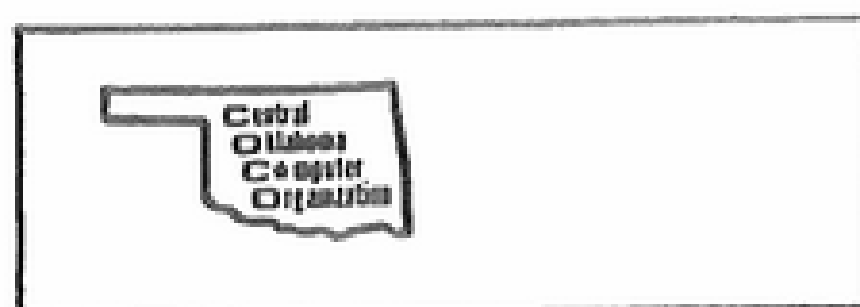
WB5SRX chaired the August meeting and his topic was traffic handling. O. J. gave an overview of the National Traffic System and some good examples of emergency traffic formats. O. J. handles traffic daily for the NTS, and his presentation was especially informative.

O. J. is the Oklahoma County Emergency Coordinator for ARES, and last month he confirmed something we already knew--our roster isn't very current. Part of the problem, it seems, is that this part of Oklahoma has a lot of transient radio operators. Those in the military at Tinker Field, and others who move with their jobs, don't always get word back to the EC about their new addresses. O. J. confirmed that by mailing 100 letters to ARES members only to have many of them returned marked "addressee unknown."

It seems the only thing to do now is to ask everyone to resubmit a membership application. A form is provided in this issue of C&E, or a copy will be provided on request by the EC. The "old" membership roster will be trashed at the end of the year, and starting in January membership cards not signed by O. J. will be considered invalid.

And there is another reason for having a current membership card. O. J. is contacting area public service agencies to discuss ARES capabilities and services, and to provide them with sample ARES identification cards with his official signature. The idea here is that having a valid membership card may mean the difference between gaining access to a disaster area or being turned away.

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Meetings held at Red Cross Bldg  
NW 10th & Hudson

2nd Saturday of each month  
9:00 AM -- Come early  
Club dues: \$10 per year

President Paul Pape called  
the meeting to order at 9:07  
AM on August 8, 1987. 75  
members and guests attended.

#### Old Business

1. Once again, no one  
brought a disk of public  
domain software to add to the  
library. The number of  
programs in the library stands  
at zero.

2a. Duane Woodson spoke on  
the Enid chapter. He brought  
a copy of the newsletter for  
everyone in attendance. Enid  
is having trouble keeping mem-  
bers because of money prob-  
lems. Rather than concentra-  
ting on keeping members, they  
have to worry about raising  
money. They've been charging  
\$10 for OKC dues plus \$5 for  
their own dues.

b. Duane suggested that  
the OKC group support the Enid  
newsletter. He figured that  
the newsletter would cost  
approximately \$40 per 100 for  
copying and mailing. To that  
end, Lee Lash moved that COCO,  
Inc. subsidize the Enid news-  
letter for 3 months with a  
maximum expenditure of \$200.  
The motion passed unanimously.

#### New Business

1. Bob Pace thanked every-  
one who supported Ham Holiday  
on the weekend of August 1.  
The graphics were outstanding  
on those CoCo 3s!

2. Summerfest in Enid went  
well that same weekend.

3. One attendee moved that  
the Enid chapter should con-  
tribute to COCO \$4.20 per mem-  
ber per year to pay for the C  
& E subscription. The Enid  
chapter can keep the remainder  
of the \$10 for operating  
expenses. The motion passed  
resoundingly.

4. David Graham offered  
free advertising in the Enid  
newsletter for COCO members.

5. Bob Pace announced that  
he will place a 1200 bps modem

on CoCoNet this week for a  
trial. If you have a 1200 bps  
modem and log onto CoCoNet,  
please call Bob and tell him  
about your experience, whether  
positive or negative.

6. Welcome to new members  
Randall West, Robert Smith,  
Cooper Treaskie, and Cooper  
Treaskie III.

#### Hardware Problems

1. Paul Pape bought a new  
mouse and rearranged some  
female's body parts. (I'm  
sorry I only caught the tail  
end of that conversation!)

2. David Graham is  
interested in learning more  
about a Data General Nova 4  
computer. If anyone is  
familiar with one, please  
contact him.

#### Software Problems

1. Mrs. Brooks is having a  
problem running Mickey's Space  
Adventure. Ronn Folk recommen-  
ded that she use the boot pro-  
gram from the swap disk.

2. Dorothy Roberts found a  
solution to a problem with the  
FILES command. After opening  
two files, you must combine  
the record lengths of the two  
files as the final parameter  
on the FILES command.

3. Raylon Rogers is still  
getting the DM error when he  
runs his blackjack program.  
He gets the error in the  
DIMENSION statements. He has  
tried increasing the size of  
the CLEAR statement, but to no  
avail. Robert Sanders sugges-  
ted POKEing in some values to  
increase the memory size to  
the max. Bob Pace and Bill  
Holland warned that the  
program may have some machine  
language code embedded in the  
program.

#### Doorprize Winners

INTERBANK INCIDENT - Robert  
Browning

ART GALLERY - Bill Warren

MUSICA 2 - Martin Schiel

disk box - Robert Sanders

disk box - Steve Roberts

disk box - Jim Scruggs

disk box - Judy Holcomb

disk box - Bob Pace

blank disks - Steve Moore

blank disks - David Waller

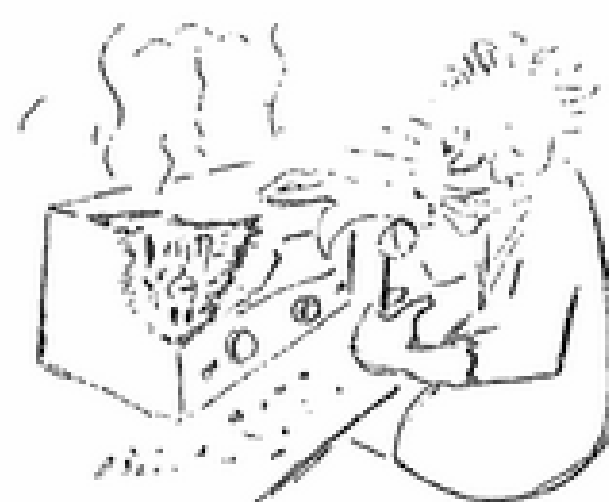
blank disks - John Foss

blank disks - Jeannette  
Roberts

blank disks - David Sanders

stapler - Tommy Morris

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116-150) IS PUBLISHED MONTHLY BY CORA,  
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COSTMASTER: SEND FOR IT. CORA, 1000  
ARTHUR DR. MIDWEST CITY OK 73101



"I don't know what you did at your end, but your  
signal came up quite a bit in my transmission."

#### A R E S

On the off-chance you may not  
be familiar with ARES, it is the  
Amateur Radio Emergency Service.  
Sponsored by the American Radio  
Relay League (ARRL), it is a ser-  
vice of licensed amateur radio  
operators who have voluntarily  
registered their qualifications  
and equipment for communications  
duty when disaster strikes. ARRL  
membership is not a prerequisite  
for ARES membership, and there are  
no dues or other fees. All that  
is required is any class of ham  
radio license, an interest in  
providing emergency communications,  
and a little free time to train  
with us.

For more information about ARES  
or for a membership application,  
contact the Oklahoma County Emer-  
gency Coordinator, O. J. Watkins,  
WB5SRX. His address is 816 North  
Juniper Ave., Midwest City, OK  
73130.

de KD5DL

paper punch - Brian Davis  
used disk - Ron Sonheim  
pencil - John Rudnicki  
pencil - Dorothy Roberts  
pencil - Paul Gates  
pencil - Ronn Folk  
pencil - Loyal Roberts  
pencil - Richard Hylton  
paper - Paul Pape  
paper - Philip Brooks  
paper - Kevin Roberts  
paper - Daniel Jamet  
paper - Rosetta English  
paper - Ralph Rea  
Hot CoCo tapes - Huy Nguyen  
Hot CoCo magazines - Denny  
Vanzant

- Martin Schiel, 670-6891

**THE BIG SIGNAL**  
OKLAHOMA CITY AUTOPATCH  
ASSOCIATION, INC.

The August meeting of the Oklahoma City Auto-Patch Club was highlighted with the election of new officers for the coming year. In the opinion of most folks there, it was felt we have a splendid group to ramrod the show for the next 12 months. First of all, a special thanks must go out to the Nominating Committee for selecting those willing to take on this great task. Without their hard work in searching throughout the membership for good qualified individuals, it is probably safe to say that the club would have gone down hill. Also, the choo choo wouldn't have been as loud. So, a great big round of applause for Jerry, W5UGH and Chuck, K5NK for the many hard hours they spent in selecting these fine gentlemen.

For President, we have Mr. George Adkins, AD1S. At first, George would not accept the nomination. He has a very time consuming job which requires a lot of travel, but most of all, it seems his granddaughter takes up a lot of his time also. But, after a considerable amount of arm twisting by the nominating committee, he finally accepted. George is well qualified for this position. He has held several high positions in his lifetime, most notable being the times he has climbed his tower to work on that bunch of aluminum. George has made a guest appearance on the "Getting to Know Your Members Club", which might be upgraded in the coming year. George's wife Vicki, N5DLN, is a cute little button and I know she will make a good First Lady.

Our new Vice-President is Dennis, WD5CSM. This is the second go-round for Dennis. He served in this same capacity a few years ago. Most folks thought he did a fairly lousy job during that reign, but, with age and maturity, they thought they would give him a second try. Scuttlebut going around is that if he doesn't do a better job this time he will be hung from Henry's tower. A bit of bribery had to come about from Dennis before he would accept this nomination. According to the constitution and by-laws of this great organization of ours, the Vice-President is responsible for submitting the monthly input for the Collector & Emitter. Being the sort of fellow he is, he insisted on breaking these rules and demanded

that an editor be elected to fulfill those duties. He has promised to climb that new editor's tower and put some new U-bolts on his rotor. The general membership will be kept informed as to whether he fulfills that obligation. Additional scuttlebut going around is that if he doesn't, he will be hung from his own tower.

The new secretary is David, KF5EB. I'm sorry that I don't have any bad things to say about David. He is a relatively new-comer to this hobby of ours and the club, but I know he will do a very good job in reporting the facts. I hope no one will hold it against him, but he is the son-in-law of Frank, N5FM. You see, he married Frank's daughter.

We will have to keep a special watchout on the new treasurer, N5DDB, Mike. Mike is a former Double Dealing Banker who knows all the ins and outs of juggling figures. Not that anyone is doubting Mike's ability to properly spend the club's money, some folks just don't trust anyone with a black mustache. In all the years that I have been associated with the club, I don't remember ever seeing Mike at a meeting, that is until election night. But, some people will do anything to get him there.

Being as humble as I am, I feel I should let someone else describe the new editor, so I have asked Mac, K2GKK/5, to do that honor.

"OK Chuck, as you know you are one of my favorite individuals. As you know, I was greatly honored by being selected for your first 'Getting to Know Your Fellow Members' articles. I think you are one of the most brilliant people I have known. You are a whiz when it comes to saying nasty things about your fellow hams. You enjoy one of my favorite means of communications, CW. You laugh real hard when I tell one of my Camel jokes. I have always looked forward to making your 'I Heard' column, and in fact, it upsets me a little when you don't include me. I think you are an alright guy and I don't know of anyone more capable of wielding the nasty typewriter than you"

Thank you Mac, but you shouldn't have said all those nice things about me.

A special thanks to Charles, N5FRU and all the other gang who served as officers during the past year. Charles has been strapped for time, but, he and all the others did a very good job in serving the club. So, until you are better paid, THANKS.

I hope we can come up with some interesting articles for the Collector and Emitter this year. As

most of you know, I get a little carried away at times with a bunch of nonsense, but it is all in good taste and I never intend in any way to hurt anyone's feelings. So, just consider the source. With my heavy workload at this time, sometimes it might be on the short side, but we are going to try our best to have something each month.

I know we have a good slate of officers. They are all dedicated individuals and can use all the support we can give them. George has a lot of good thoughts and ideas. He is planning on some interesting club meetings, but he has asked for all our help in arranging interesting speakers and guests to present the programs. If you know of someone, don't hesitate to contact George.

The club plans to become much more active in CORA this year. In times past, we always had more than our share of representation at the CORA meetings. We have fallen down the last couple of years, but this will change. CORA needs our input.

We have one of the finest meeting places in the Oklahoma City area. It is fairly centrally located and easy to get to. Our meetings are always held on the 3rd Tuesday night of the month at the Salvation Army Headquarters, located at N.W. 50th and Penn. Cold drinks and coffee are available and all the modern conveniences. Make plans now to come to our meetings.

Everyone almost dropped their teeth when who should appear at the last meeting but the infamous Henry, N5IH? Henry has been carrying a chip on his shoulder for the past couple of years about something. Most likely it is because none of his neighbors have been complaining to the FCC about his tower. Anyway, Henry hasn't made a club meeting in so long that half of those in attendance didn't even know who he was. It didn't take long though for his egotistical attitude to come out and we found out that he is the same old Henry. At least he didn't make any ethnical remarks about your editor. For those newer club member's information, Henry was always one of the editor's favorite individuals to write nasty things about. In fact, he was the second honoree of the "Getting to Know Your Fellow Members" club. Henry is one of the top dxers in the country. He ranks high on the DXCC list and will even grab a rare one slightly out of band now and then, especially if he is a Canadian. Henry has aged a little since we saw him last, most noticeable were the grey hairs. But, he's still wearing those fancy boots. Good to see you there Henry and come back.

73, K5NK

# Salem

## HAM HOLIDAY HUZZAS

They came, they saw, they bought. Another Ham Holiday come and gone and I have nothing to show for it except an empty wallet and a semigood time. You know, it may be old age, it may just simply be that a good time is easier to come for me, but dadgumit, things went pretty good at HH 87. And while HH priors have suffered a rather gentle decline, it is my understanding that this year was up in attendance. I certainly think that the flea market went well and I even came back for the Sunday morning market and even bought some items. I also came back for the athletic contest between Louis KD5WA and Mac K2GKK.

One nice thing about writing articles for the C & E, you get to pick your hours and your tasks. You don't have to really listen to anybody and you don't usually get asked to do anything. At least, until this year. But, it is a labor of love and when I was asked to talk on Friday night, I agreed although I was just a little skeptical about the number of people who would show up on Friday nite, first, and to listen to me, second. Surprisingly, the crowd was decent in size, if even just a little unruly. But, I like them that way. It makes for a more sporting event.

I was surprized at the number of people who were wandering around on friday night. And not just the usual sidewalk super-intendents. I had a couple of things that kept me in the office until right before I had to dash out and scoot to the City, so I missed any preliminary activity before my talk. I did catch the tail end of the talk on Oklahoma weather. Boy, I am glad that I don't have to read that chart. At least without the 300 page instruction manual. Having missed the

first part of the meeting, I am sure I would ruin it for all of you if I reveal the end. Besides, I stared at the chart for several minutes since I was sitting at the very end of the room and it terminated its tour around the room at my station. Well, maybe I can catch the summer rerun.

The crowd was pretty active. It is always nice to have some kibitzers. The time passed fairly quickly and I think that many people realized that tower construction starts with neighborhood diplomacy. I strongly suggest it. By the way, don't put up a tower that looks like a piece of crap. And keep it off the right of way. You are aching for somebody to come along and reclaim it in the name of the city. I guess what I am saying is that if you want to put up a tower, put up something that is sturdy and solid and beyond argument as to its safety. You do no favors for yourself or anybody else when you put up a tower that immediately begins like with a 15 degree list to the south. I call these Notre Dame antennas (Because they have a south bend).

You may also expect that as many of the cities and townships become more sophisticated in their efforts to control "antenna polution" that they will begin to carefully select and use extra specifications to ensure "safety" of the tower. Now, there is no excuse for not building a safe tower. But, for example, if the normal wind loading is based upon 85 mph winds, it is unreasonable and in fact, arguably a denial of equal protection to insist that antenna support structures be rated at 100 or 150 mph. Some cities have adopted ordinances or placed restrictions that the tower cannot be taller than one-half the lot size across so that no portion of the tower will fall on somebody else's yard. What is curious is that they don't make the same restriction for a house and there is in general, no reason to make the same restriction for a tower. A properly guyed and placed tower can fall entirely on a lot size smaller than its height, even in extreme winds. But the trick is that proper construction will insure that it remains in place through the first year. Regular and periodic inspection for worn components will ensure that it remains in place.

I guess I mention these factors now because I was driving through central Oklahoma City this past month and spied an antenna installation that made me cringe. The person had put up about 4 sections of tower, then put a crooked pole through the top for about another 20 foot. It was poorly guyed and there were various antennas hanging off the tower and a dipole tied off from the top. The ends were drooped off the property and tied off on some street sign. I presume that permission was obtained from the neighbor to cross the property, but I would bet that the city did not approve the tie off point. Of course, if this was a temporary installation, then there might be a valid excuse for not tying up all the ribbons and tidying up, but it still was a little unsavory.

Another point for bad form is rusty tower. Or at least, tower that appears to be rusty. I prefer the galvanized tower with no paint. It seems to weather better. But for those of you who have steel towers, then spruce them up with a little paint every now or then. I use a heavy piece of oilfield tubing as the mast for holding my beam. It was a little rusty when I got it, so I sanded it a little and applied some rustoleum primer and black paint. It scratched up when placing it in the top section and sliding it up and down while installing the two meter and 450 antenna, but it still looks pretty good from the ground.

Also make sure that you don't have any broken cables, wires or ropes flogging about in the breeze. For some people, a broken wire is assumed to have electricity and is dangerous. A broken rope is something that has already fallen off and can probably be found at the base of the tower. More importantly, it suggests that other things held to the tower with rope are probably also on the verge of breaking. I guess what I am trying to say, for goodness sakes, don't let the antenna farm look like the shack. The neighbors are in enough of an uproar with even a proper antenna installation. My experience has been that some neighbors won't mind a proper installation and looks and stays safe. Others won't like anything you

put up, so don't give them anything to really moan and complain about. There is a rule of reason here also. If you have a small lot, then don't expect to become the king of 160 meters. While Robert Browning said that "A man's reach should exceed his grasp," he was not talking about a moonbounce array on an apartment building. You want extravagant antennas, move to the country. But if you are like me and a city dweller, you can still do fairly well with antennas in the city.

Meanwhile, back at Ham Holiday. The program committee got rid of the mundane tower programs on Friday night, but Saturday morning they pulled off an achievement that not even Dayton has been able to accomplish. They selected and presented a program that did two things. First, it sent me to a program when I usually don't attend programs. The only programs I attend at Dayton are those that I have spoken at. Second, and most importantly, the program committee got me out of the flea market. In fact, for the first time ever that I have attended a hamfest, I went to a program before I went to the fleamarket. It takes an unusual program and an especially interesting program with a person who has something interesting to talk about. Dave Rust, from the National Severe Storms Laboratory spoke about Lightning. There is a man who can work in his chosen field for the rest of his life, even if he lives to be a thousand years old. Not many people can say that. Lightning is such a complex and fascinating subject and although much has been learned over that last several years that the project on lightning has been around, there is still so much unknown, that it might literally take a thousand years to find out everything. And what is even better, the government will always be willing to pay scientists like Dave to investigate lightning, or they should. The cost in terms of lives and property loss on a yearly basis makes lightning an appropriate subject for study for a long time.

So, I would say that Dr. Dave has plenty of job security. I have studied lightning in a general fashion for my own interest and for a couple of articles that I have written for the C & E. Needless to say, I was relieved to see that I did not embarrass myself too badly in what I wrote. Lightning propagates in segments and because it does, some of the older rules about cone of protection from lightning rods have to be modified to a spherical ball model. That is, you must first imagine a ball 300 feet in diameter. Roll that ball over a surface and everything that is inside the ball is capable of being hit by lightning. Everything under the ball lies in the zones of protection.

Dave also presides over a network of lightning detectors that pinpoint the location of lightning strokes by triangulation by measuring the time difference that it takes a radio wave from the stroke to pass by two antennas. By calculating the difference and using a little fancy vector footwork and some number crunching, you can derive an angle of the lightning stroke with reference to the plane of the two antennas. If you use a couple of these antenna sights, you can triangulate the location of a stroke. They have got a bunch of them on tape. Have a lightning bolt scare you some night? Well, I don't know if they take requests at the NSSL, but they might be able to find the bolt somewhere close to you if you have the time and location. But like I said, I don't think that you can find out by sending twenty-five cents in coin and a SASE to Merkle Press . . .

Well, I enjoyed Dave's program immensely. And I found out some things about lightning that I didn't know. I think that this is a great addition to the program schedule and I would like to see him back next year for an update of anything new.

Around the rest of Ham Holiday, I missed the Oklahoma Repeater Society meeting when I didn't check the schedule. I caught the gist of what happened from my spies, K5JB and K5FVL. They even asked me to help with a couple of tasks.

I left Darrell WA5TOO in charge of

several items of mine at his flea market table. My first mistake might have been in not pricing everything for him. Well, some of those things that I left that got sold, got sold cheap. I especially lament the big 15 amp power supply made by Lambda that I carried around at Dayton so long that I think that one of my arms is permanently about 2 inches longer than the other one. The sad part is that I never put line voltage to that supply. It sure looked like it worked when I got it. There is a sort of blind faith you rely on in the flea market.

I bought a bunch of things, but for the life of me I can't remember what they were. I know that I came back with less money than I went with and that includes a couple of sales that I made and the last of the money I saved from Dayton. Well, can't be worried about those things on a regular basis.

Well, I tell you, Ham Holiday did quite well this year. I can't say that it was as good as some of the ones we had 6 or 7 years ago, but I think that with a little judicious care and feeding, those crowds will come back. And perhaps we can fill up the commercial vendor sections again. I bought some stuff just to let the commercial vendors know that I appreciated them being there. Why even onery W5UZD sprung for an ICu2AT from somebody just to show his appreciation. That took some doing. He was worried about hurting his reputation for procrastination, so he decided to do nothing about it. But in any case, Kudos from this corner. Go for it next year.

Micheal Salem N5MS

FOR SALE - WA5TOO will have a fit if I don't mention that he has a Kahuna style two meter repeater for sale or trade. These grand old base stations put out 120 watts all day long and are in 6 foot upright cabinets. Darrell is the king of the trades, so make him an offer. He might surprise you and you might have to drive to Oklahoma City and pick up 400 pounds of beautiful repeater. He's in the book. Darrell Ledden WA5TOO.



# PCARR

## convened once

again on Saturday, August 8, at the Red Cross building. There were twenty-six stout and hearty folks and several wimps present. Bob Rabin, KA5MIZ, and Tom, KA5QKZ, upgraded to advanced. Mark, NSHZR, overslept so Andi, WU5W, ran the meeting.

## Monte reports

a balance in the treasury of \$1073.75. The funds spent this past month were for items previously approved.

## If you haven't

heard, Ham Holiday was a great success this year. Attendance of 966 was up 27% over last year. The number of tables rented in the flea market was up from 65 to 108. There was a noticable increase in the activity around the dealer's tables compared to last year. Well at least I spent more this year. The programs were all well attended (if you can believe KSPL).

If you see any of the folks who help put on the HH, thank them for the time they donated to this OKC activity. We all benefit from a successful ham fest and the volunteers who put it on need to know we appreciate their work.

## Call my number

Christy, I muttered to Louis, KDSWA, who sat next to me at the prize drawing at HH. Louis said "What?" as he turned and looked at me like I was a Central State walk-in. I explained to him "Her name is Christy" pointing at the young girl drawing the tickets. "Call my number, Christy" I repeated several times in progressively louder pleas. George, ADIS, called "One, Zero". Cheeze, I thought, my chances are now one in a hundred because my first two numbers were also a one, zero. I stood up and raised a hand, I don't know why. Then he read "nine." I thought for a moment I was having a seizure. My ticket was 1097 and I was holding WBSFZD's ticket which was 1098. One out of five one of us would get it; one out of ten it was me. "Pull my number, Christy," I shouted again oblivious to the fact that she had already pulled the ticket and couldn't help now. Both hands went up in the

air. Louis backed away. I could see Marshall, Andi, and the SCARS group staring at me with narrowed eyes. The old guy has blown his lid; too much packet or maybe it was the amor-that's strange stuff anyway. And George called "SEVEN."

I couldn't believe I shouted so loud, not at all like the respectable professional that I am. I didn't have to look at the ticket. I had looked at that number twice during every other drawing. It was 1097 and that was certain. But I wasn't certain of was just what I had won. In all of the pleading to get Chrissy to pull my number, I forgot to listen to George when he announced just what the prize was. But that wasn't important at the time. By Golly, I finally won and unlike Louis, WSUZD, it didn't take 50 years of attending ham fests to do it. It only took five.

I am enjoying the PC clone that I did win. It has 640 Kbytes of memory and dual floppies (no manual but I understand that is the norm for the far east imports).

However the darn thing works without the manual and it is now monitoring my 2 meter packet set. And I still can feel that sensation of raw excitement that completely flooded my central nervous system when George said "SEVEN."

## And there were

other SCARS winners. Ken Brown, N5KUK, won a UHF mobile rig, a Kenwood I believe. And Jerry Broudy, W5MCJ, won the big glossy photo of the four models who were scantily clad. I still think the tall blond looks like .... but discretion keeps me from mentioning names here. Anyway Jerry said he couldn't bring the photo home so he donated it to the club for display in the radio room. It will do nicely at Field Day next year.

## The next Novice

class (and upgrade class also) is scheduled to start October 12. It will be held at the Norman Red Cross every Monday night from 7-9:30 pm through November 30. A VE exam is being planned for December 2. The class will be offered by Monte, WBSRZX, and your humble reporter, KDSIT. In the past most of the attendees learned of the class through talking to others; so pass the word...

# kay

Well, where did the summer go? It's september and time to start meeting again. Our first meeting of the new season will be on Sep. 17th at 7 pm at the Pioneer Vo-Tech building on north Ash. Talk-in will be on 146.97 (W5HZZ). We'll have an interesting meeting, plan to be there early. The Ponca City Ham Fest will be on September the 19th out at the National Guard building across from Conoco on South street. VE's will be around 1 pm that afternoon for all license classes. Tickets and flea market tables will be available at the door. See ya there!

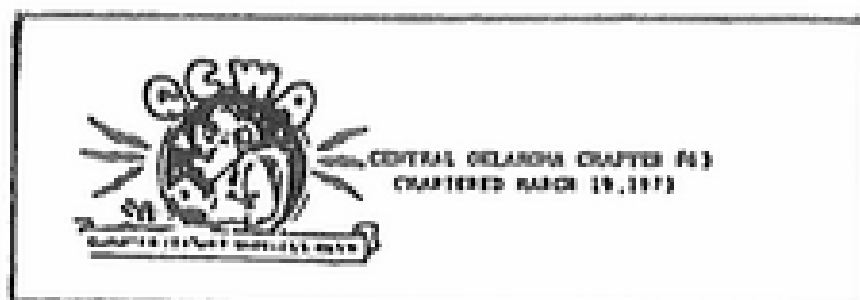
## PUBLIC SERVICE

Our next public service event will be a 10K run at Lake Ponca on Sep. 26th. I don't know the exact time, but I imagine the race will start at 10 am, so we need to be there around 9 am. We've all had the summer to rest up, so let's have a good turnout for this event. This will be the last run of the year so let's make it a good one.

That's all for this month, see at the meeting! 73, Dave KD5FX

## Can you WAS?

Work all SCARS members, that is. Our beloved amateur radio society will conduct a contest to determine who can log the most SCARS members in legitimate QSO's over amateur radio (eyeballs and land lines don't count, Jose). Here are the rules: Any legal mode is OK, contest starts Saturday, September 12, at the end of the SCARS meeting (about 10:30 am, I hope) and stops at 9:30 am on Saturday, October 10. A legal contact consists of exchanging call signs only. All QSO's must be confirmed by a QSL card or at least a note with a legible signature of the other operator, the time and date of the contact, and both call signs. Duplicates allowed but discouraged. All modes count one point except ATV, it doesn't count at all. Monte, WBSRZX, has the list of SCARS members. Logs (ie all your QSL cards surrounded by a rubber band) must be submitted on or before 12 noon on September 25 to KDSIT, 2735 Poplar Lane, Norman, OK 73072 or delivered in person to any club officer.



FOREST PK., OK(NL) Aug. 28, '87: Observe that I dated last month's column "Aug. 23, '87" instead of July 23rd. Perhaps could just reprint last month's-in part, at least. This month, running close to the wire. See this evening is Edit Night and just getting started. July was a busy month; particularly with HAM HOLIDAY '87 the last day plus Aug. 1st & 2nd. We can all thank & commend Pauline Legaly, YL of George Legaly, W5NTL who almost single handedly ran the ARRL Booth on Saturday. She did have some able assistance from Larry Watson, W5EIU, Jim Haynie, W5JBP, West Gulf Division Director, plus myself for short stints & others I may have overlooked. The familiar Wicker Gazebo was missing-found it was Poolside. Tables were set-up in the lobby which same worked fine because the volunteers could sit on occasion. It was unfortunate that the most popular books & handouts were in very short supply and sold quickly. Thus the booth was not open Sunday. Suggest a better selection & more of it for next year would be most appropriate. (ED). Again our most sincere thanks to Pauline. I personally enjoyed this Ham Holiday much more than prior years. Attended nearly all of the meetings-they were all very informative & well conducted. After attending two "Packet Radio" meetings an almost convinced I am definitely out of the main stream of the most recent technology. Joe Buswell, K5JB is most convincing as to it's merits with plenty of challenge. The QCWA/Old Timers/Young Timers breakfast was somewhat lacking in attendance, but not in quality of those present and of the program. Plenty of time for visiting, a good breakfast plus Attorney Stan Twardy gave us a comprehensive, up-to-date picture of "Medical Malpractice", including numerous descriptive examples. Believe a good time was had by all. Thanks Gene Nailon, K5DLE for making our program a

success. Please pass this along to Stan Twardy when you next see him. Presume we will find a critique of Ham Holiday '87 in this C&E September Issue. I feel that the much more leisurely pace was a real plus this year-but we may read some negatives as well. To those who won prizes, sincere congratulations-Jim Jones, K5PER in particular. I was not even close, but have had a fair share over the years!! The drawings throughout the day; mostly smaller dollar prizes, seemed to generate widespread interest.

Does not pay to assume. Just called Joe Harding, WA5ZNF, C&E Managing Editor. The critique alluded above will not appear until the October Issue. Therefore my few comments could be in the minority-not withstanding other inputs this month.

73, Fred, W5NL

.....

#### <<W5AS INFORMATION>>

QCWA Chapter 63's operation on-the-air during July 1987 as follows:

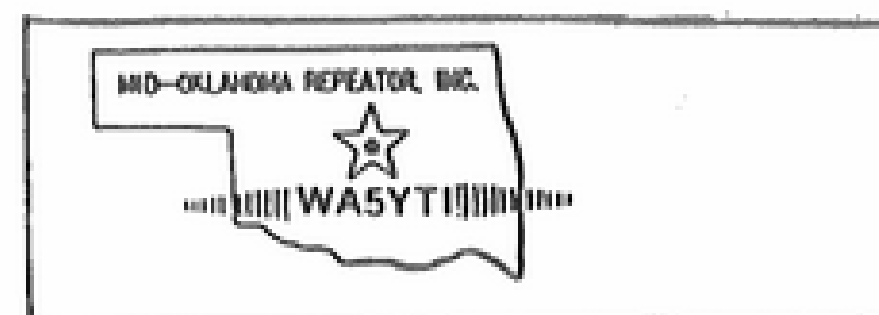
SESSIONS	4
CHECK-INS	157
TRAFFIC	14

Following is Chapter 63's birthday list for Sept. 1987. Best wishes to all and for many more to come.

01 Mary Stephens	YL W5HZD
03 Sue Soard	W5OQT
04 Roslyn Ashby	YL W5HXL
05 Robt.J Onspaugh	W5NTR
09 Dorothy Gartman	YL W6ATC
11 Carl Drumeller	W5JJ
14 Ellard Foster	W5KE
15 Ralph Rea	W5AA
15 Don Rooker	N05M

Larry Shima, WOPAN was one of the active radio operators operating W1AW during the IARU Championship Contest during July 1987.

During Sunday last On-The-Air-Meeting Howard reported he had just finished assembling a "Traditional Oak File Cabinet" (kit form); Two drawer, Crafted oak solid & veneer, solid brass hardware, lock key on top drawer, easy glide doors (really drawers) & finally easy to assemble. The "easy'to assemble" leaves some to be desired, but not a bad



The big news for MORI this month is the increase in yearly dues. At the August meeting the membership voted to raise the dues to \$20.00 per year; still a very good value. That means members invest about five and one half cents per day versus three and one-half cents per day at the old rate. The club does need the money to pull out of the current financial difficulties. The September meeting will be back at OCCC. Listen to the 07 / 67 machine for further details.

ATTENTION MEMBERS: MORI will soon be in need of another CORA representative. One of our reps has a conflicting school schedule and can no longer attend CORA meetings. It is time to volunteer. Also, the membership is reminded that the elections are coming up in November, so everyone get your excuses ready as to why you can't be a club officer.

One sad note on closing, Maurice Holding, K5AJW, passed away on Marsh 27. He will be missed by friends and family.

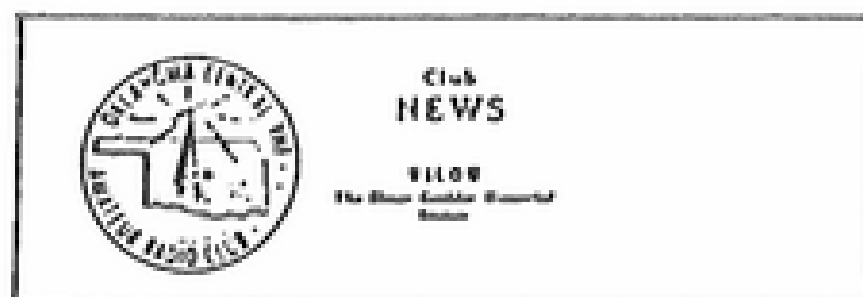
73 de KASMUG Tim

piece of furniture; particularly on sale + senior discount at Venture. The drawers have to be glued-suggest you use your own glue and clamps if you have them.

ED Note: I bought two (2) each and assembled one-giving one (boxed) to our son visiting from Tyler, Texas. My tube of glue was dried out-so similarly used my own. The brass hardware is better put on last. I sorely needed another filing cabinet for Amateur stuff and agree with Howard it is good value. A lady at the store bought six. Said, "I am buying them for end tables". In a true sense do not expect a high % of true solid oak as we remember in bygone years!! Also as you might expect it was made in Taiwan, R.O.C. (ED)

Vy 73, Howard, W5AS





## VHF Club News

There are two items to report on this month. One is the watermelon feed we had with the AERO Center Club at Bethany Lyon park. I guessed there were about a couple of dozen people there so there were watermelons left over. We gotta do better next year. Fun was had by all who were there.

The Sept. meeting will probably be a dinner meeting, time and place to be determined. Members will be advised by telephone.

In November, there will be a weekend campout at Lake Thunderbird. Bob, W5HXL, and Charlie, WA5JGU are working on the details. Keep a watch out for that one. Joe, K5JB

## The DR-200 Packet Switch

Since last month, I got my hands on some toys to write about. There has been a lot of talk on packet radio about networking, about the NET/ROM sold by Software 2000, TEXNET which is "real soon now", the COSI code that has not become available yet, the TCP/IP that is supposed to tie all these different kinds of things together and KISS, the TNC code that makes the TNCs more "computer friendly". (See the March and June issues of C&E about descriptions of some of these networking schemes.)

Bob, WB5AOH, was there and he brought a little TEXNET node consisting of an EPROM modified TNC-2 that can handle up to four circuit routings. He had it in his car and demonstrated it to us. Bob, also has a PacComm DR-200, dual port digipeater at his home in Fort Gibson and he shared his experiences with it. All in all, we got to survey many of the digipeater operators and talk about what they thought we ought to do next.

We have had a network scheme since digipeaters were incorporated in the AX.25 specification now but it hasn't been a very good performer. Connecting to distant stations through digipeaters gets the ends connected together but performance suffers because of two major problems. 1. When more than 4 digipeaters are used, the reliability goes to nearly zero. 2. When the same frequency is used in widely separated areas, the digipeater in the center gets all messed up with

collisions. (This is the "Hidden transmitter syndrome".)

The packeteros at Ham Holiday felt compelled to "do something". NET/ROM is really the only automatic network routing scheme currently available, though TEXNET can be implemented on a small scale as WB5AOH has done, and TPRS is beginning to distribute circuit boards for the full TEXNET implementation. NET/ROM consists of an EPROM for either a TNC-2 design or an AEA PK-87. Several hundred have been sold for various areas of the country but the configuration of our current digipeaters is such that it is not easily implemented here. We have quite an assortment of Kantronics and TAPR TNC-1s located in key places so NET/ROM installation would require buying TNCs as well as the EPROM. There is also a bit of uncertainty involved with buying a proprietary networking scheme. But, we wanted to "do something" so we did.

The morning after Ham Holiday ended, I phoned in an order for four PacComm DR-200, dual port digipeaters and received them the following Friday. I had an air conditioning failure at home so we didn't get them functioning until about the middle of the next week. Two of the units came assembled and tested and two of them were kits. I built one of the kits, taking maybe 8 hours doing so and then spent the next two evenings hunting for the reason why it wouldn't work. I was forced to drag a scope home from work to see what lines were shorted to what. It probably only took about ten minutes to find that a feed-through was too close to a trace and the etching hadn't separated them. (The second kit, belonging to WA5FLT, had the same fault. Saved Joe some grief on that one, I think.)

In the mean time, I programmed two of them and we had them on the air. Bob-Robert, WA5BQX, the owner of one of the DR-200s christened his "CHN", for Chandler, its eventual home. I named mine "MWC1", though I don't know where it's eventual home will be. (They ID with regular calls.)

Before we go any further, I need to describe the DR-200 a bit. It is a dual port digipeater. You can connect two radios to it and they each have individual digipeater calls. For example, Bob's primary port has WA5BQX-3 and the secondary port has WA5BQX-4. These calls are only used to digipeat, like we always have. The DR-200 has a "global call" which is used for its switch function. (A switch, in telephone networks, is the equipment that connects various circuits together, like in a central

office or a toll office. The term "switch" is used to describe the operation of the DR-200, and the other network devices becoming available. You connect to it, it connects to the next switch, and so on, making up a circuit. Packets are acknowledged from switch to switch instead of from end to end, as they are with digipeating.)

To use the DR-200 as a switch, you connect to its global call. You connect to Bob's with "connect chn", and your TNC responds with "\*\*\* CONNECTED to CHN". The switch then sends a couple of packets that say something like "Switch Ready" and "Type HELP for commands." It then sends a splat (\*) as a prompt. At this point, you are at the command prompt of the switch. With the currently available software, there is very little you can do except to make it connect to another station, connect to a station with the alternate port, give you a list of stations it has heard lately or disconnect.

The commands are:

- HE (help) Shows commands.
- C Connect to a station using the same port you came in on.
- CA Connect to a station using the alternate port.
- RX Give a list of the most recently heard stations.
- SW Give a bunch of gobbledygook that is meaningless unless you are checking switch status and want to know about buffer utilization and other esoteric stuff.
- BY (Bye) Disconnect from the switch.

Once you have the splat prompt and you want to connect to another switch, you issue a command like "C MWC1". Since the two switches are in the same town, things start getting lively on the frequency. CHN issues a connect to MWC1 and sends a packet to it that says "\*\*\* LINKED to CHN". Meanwhile, CHN tells you that it succeeded in making the connection by saying "Switch: Connected". (Another patch. It originally said \*\*\* pad: connection reset". I didn't like that.) When MWC1 gets the connect from CHN it sends the same "Switch Ready", etc. stuff to CHN. CHN, in turn, sends this stuff to you. With the delivered code, in response to the "\*\*\* LINKED to CHN" message, MWC1, thinking it is an invalid command, was sending back "ERR". I patched that out of it so it sends back "\*\*\* LINKED to MWC1" You see that too. If you have your monitor while connected on, you see a mess. If you have MCON OFF, it looks pretty neat, though a lot of packets have been

flying around. Mac, K2GKK, observed that the presence of the switches has added a lots of extra packets that weren't around before. Right on!

On your screen, if you have MON OFF, it looks like this:

```
cmd:c chn (you typed this)
*** CONNECTED to CHN (your TNC sent
    this to you, and maybe the time)
Switch Ready (CHN sent this)
Type HELP for help ( " ")
*c mwcl (CHN sent the splat and
    you typed the "c mwcl")
*** Switch: Connected (CHN sent
    this)
Switch Ready (MWC1 sent this)
Type HELP for help ( " ")
**** LINKED to MWC1 (MWC1 sent a
    splat and then the rest of
    the linked message)
*c wa5bqx (splat was from MWC1, you
    typed the connect message)
*** Switch: Connected (MWC1 sent
    this. You know you are con-
    nected. You are now in the
    converse mode with WA5BQX.)
```

If you issue a connect command and it doesn't seem to be making it, you can just send a carriage return and it will quit trying to connect and send a response "Aborted" followed by the splat command prompt.

If the station on the other end disconnects, the switch to which he was connected sends a packet, "\*\*\*\* pad: call cleared" and the splat prompt to you. (I ought to change that too. "PAD" is a packet assembler-disassembler, by the way. It is the term used in the telephone biz for the thing we call a TNC.) If you disconnect, the switch to which you are connected simply disconnects from you and sends disconnects to the rest of the switches and the station in the circuit.

If you are at the command prompt of the second switch, you can tell it to connect to a third switch, if it can reach one. For test, I issued a command "c lct wb5rrr-1" to connect to the Wichita, KS switch via the WB5RRR-1 digipeater in Pond Creek. Notice that I didn't use the "via" or "v". This is the style of the WABDED TNC code. Incidentally, the number of digipeaters that can be used this way is limited to 3 or 4. Remember, we are trying to get away from that kludge.

In any case, the ultimate purpose is to connect to another individual's station so the last command to a switch is to connect to that individual's station. All subsequent packets to that individual are sent from switch to switch and acknowledged at each link. I tested it by dumping a file to the WA5BQX,

through both of the switches and it queued up in each switch as it was being passed to him. At the time there were other signals on the air and some collisions but the whole thing made it intact OK.

There are some problems with this method. First, you have to make up the circuit, switch by switch. It is a trivial job for a computer running an terminal program capable of interactive macros. They have to recognize connection successes and failures to issue all the appropriate commands or report a circuit failure. Anyone interested in doing this should get with me and I will give them the key specifications of success/failure indications at each switch.

There are some bugs and problems but there is not room to cover them this month. We will pick it up next month, possibly with some solutions.

Mechanically, the DR-200 is a Z-80 based device with 32K of EPROM, 32K of battery backed RAM, an 8530 SCC (serial communications controller) dual serial device, capable of synchronous and asynchronous operation, and dual 7910 modems. Data baud rates are independently programmable. (Tone shifts are hardware jumper programmable so it can be used on HF as well as UHF/VHF.) The DR-200 is programmed with an accessory adapter that plugs into a header on the board, temporarily using one of the 8350's channels. When the switch is reset, it starts a prompting routine, at 1200 BPS, asking for global call, each port's call, an ID text for each port, and some other supervisory information. After all the information is entered, the accessory adapter is removed, some jumpers replaced on the header, and the thing buttoned up. We programmed the information in the EPROM so we wouldn't have to worry about the lithium battery going south, or anything getting messed up in RAM while the switch was installed at Chandler. While I was Munging (mashing until no good) the code, I couldn't resist fixing the problem that was causing the "ERR" when two switches connected.

The code was written by Howie Goldstein, N2WX, the fella who wrote the TNC-2 code. It looks he used a compiler of some kind because there is a lot of code, approximately 30K worth, which is a lot for a device that does no more than this switch does. I have disassembled it but the commented and labeled disassembly is about 470 million characters long! Needless to say, I haven't carefully examined all of it yet. I don't know what kinds of functions might be lurking in there. In the

January - February 1987 Packet Radio Magazine, in the FADCA section, Howie mentioned this version of the code would be similar to the "round-table" code, but without the round-table. It is not intended to have any Level three (network layer) features and it is not intended for daisy chaining switches like we are doing. It is copyrighted, by the way. The PacComm literature does contain some set-up information for the 8530 but it would take a hardened process control programmer, starting from scratch, preferably using assembly language, to develop different code for this thing to make it effective as an automatic routing switch like used in NET/ROM and TEXNET. I have neither the wherewithal, nor ambition to tackle it. (This week anyway!)

The main purpose for getting the DR-200 switches was to provide a low risk way to do some on-the-air tinkering of a different type of packet protocol. As soon as the equipment proves itself, Bob-Robert is planning on installing his switch on the Chandler digipeater. It will still function as a digipeater using the alias "CHN" or the call WA5BQX-3. To be most effective it should be used as a switch though. From the Chandler location it should be able to hit the WB5AOH-12 switch in Fort Gibson. What Bob does with that switch, only Bob would know, but his switch will easily connect with his TEXNET switch, since it is on the same premises. The other switches will either be installed on existing or new digipeaters accessible by CHN, or maybe set up on another frequency like 145.05 and 145.09.

There is already talk of linking the DR-200 switches with UHF. A user on 2M would connect with the switch and issue the CA command to make a connection on UHF to another switch. At the next switch he could either continue the link to another switch or do a CA command to come out on that switch's VHF port. For example, connect with CHN on 2M, do a "CA WB5AOH-12" then do a CA WB5TTU MCL to connect to Ron in Hugo through the MCL digipeater. Ron is going to want to do something with MCL, by the way. He will either go NET/ROM or the DR-200, depending on the success we have with the things or the progress made in Arkansas with NET/ROM.

Dave, WB5FHE, has installed one of the switches, "OU" in Norman and has it running on .01 and .05. He and I will be doing some UHF experiments by the time you read this. For the full text of this article and for next month's conclusion, check the K5JB BBS on 146.415. (Conclusion next month) Joe, K5JB



The August Meeting of O.I.D.A.R was conducted on Tues the 12th. First item of business was the treasure's report. According to Dave White, WN5LUI, OIDAR has \$283.86 in the bank. Of which \$75 is currently tied up in deposit for the National Guard Armory / Ham Hangover on South street. Dave also reported that a \$12.95 to continue membership to CORA was needed. He then made a proposal which was pass to continue membership with CORA. Biz, WDØHCO, read last meeting's minutes as best as he could remember them. He apologized for missing the last two CORA issues. No excuses really, just never got around the old McIntosh to do them. ( What really happened was "ICON" burnout. I am starting to see little folders and trash cans in my dreams.)

#### OLD BUSINESS:

The first item of old business was the receiver site tower that was rescued from the local hospital. 45' of this tower has now been erected at the receiver site. The base was poured with concrete donated by Debbie KA5WBX and Dave WN5LUI. Dennis Self KB5DMD and Truman Steiner WBSMRE got together and welded 30 schedule pipe to the guy wire attachment flanges so now the guy wires sit 5' off the ground making it rather easy to mow around them. Everyone present got to etch their call signs on the tower base and Bruce KA5ZKI provided the food and goodies.

#### STILL MORE TO BE DONE.....

With 45' up in the air and 7 sections still on the ground there's alot more work to be done! OIDAR would also like to extends its thanks to Dan Prater K5CAY of Enid for the use of his GIN Pole. It sure makes it easier to stick those sections together when you are 50' above the ground! WN5LUI reports that what we need now is a good sturdy building to keep the rain off the equipment and about 200' of burial Romex 10-2 wire and some electrical outlets and a circuit

breaker box plus about 7 8' grounds to properly complete the installation.

#### HAM HANG OVER III

The hamfest committee reported the all is A-OK and we stand ready for action. Nearly every publication on electronics and communications was contacted and an ad placed. New posters have been printed up and are now being distributed. Dealers have been contacted and re-contacted. We should have enough tables and we will use the same classroom for the license examinations. Only several minor details remain and these will be quickly resolved. Both the Commodore and Atari groups are looking forward to coming back this year. Overall it should be even better than last year's if you remember how much fun we had last year! Hope to see you all there!!

#### Wiener Roast / DX Social Club:

KA5FFL Taco reminds everyone that this month's wiener roast will be on Sunday the 23 rd at 3:00 PM at Fisherman's bend below Kaw Dam. As always, bring your own food and drinks...and QSL CARDS! Seems like alot of hams around here are claiming contacts with places I never even heard of. Are we at the bottom of the sun spot cycle or what??? It's not that I don't believe their claims....but..... I wanna see them cards !!! September's wiener roast will be on 12 th. Please mark your calenders accordingly.

#### NEW BUSINESS:

Glen WN5J was in town to attend the meeting and while in town asked if OIDAR is interested in installing a remote link with several Oklahoma city repeaters and remote bases on various frequencies. He will get more information on this at the next meeting.

The last item of new business was to investigate the possibility of becoming a non profit organization. With that, this month's meeting was concluded. Next month's meeting will be September 8th at the usual place. See you all there!

#### Biz - WDØHCO

PLEASE: Get your copy 3 inches wide to save us from copying it.

## Ham Hangover III

### Hamfest & Electronic Technology Show HAM RADIO

Inside the Nat'l Guard Armory on South St.  
Ponca City, Oklahoma.

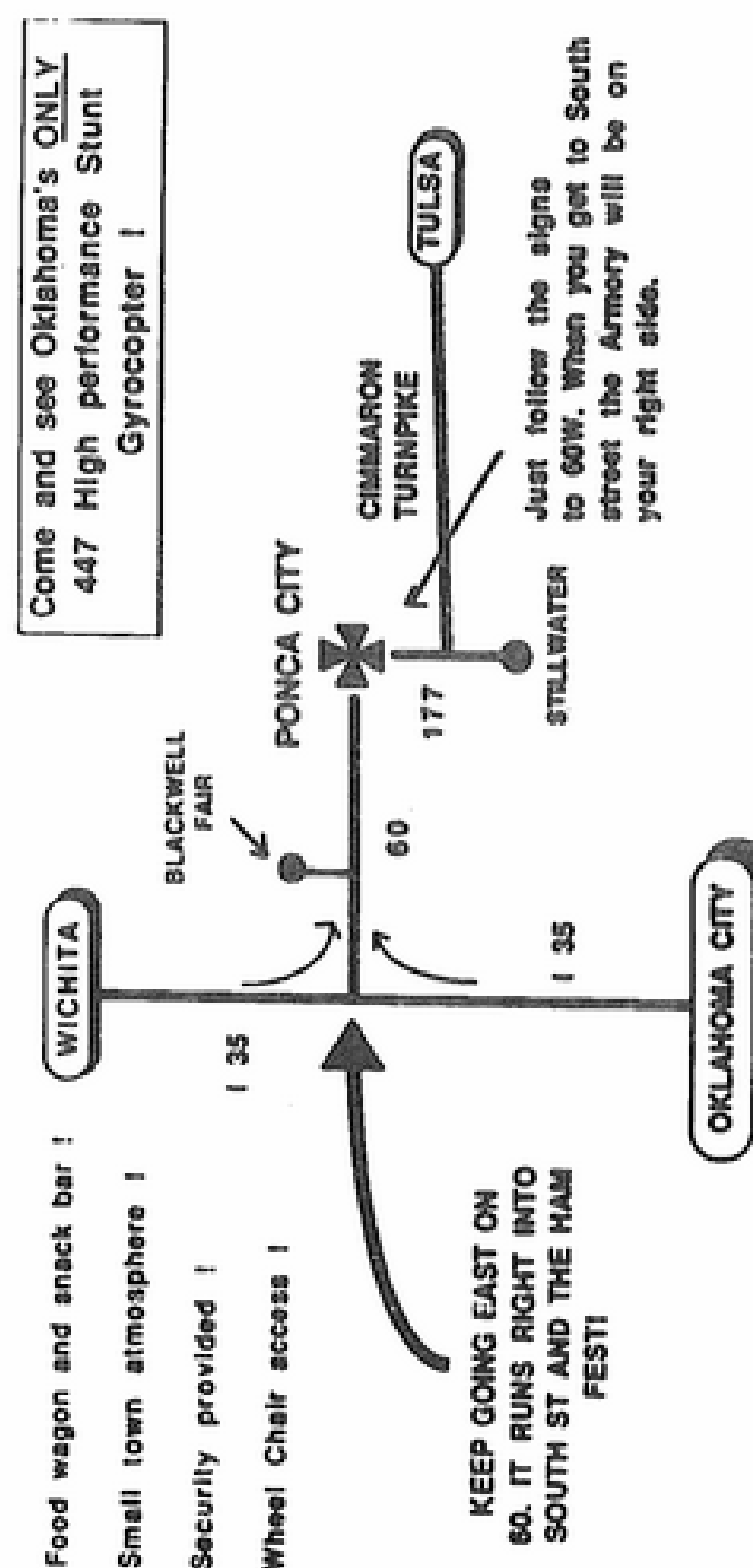
Sept 19 th (Saturday) **DOORS OPEN AT 9 AM**

\$2 for admission + \$3 more for a table

Snack Bar available. Bring the whole family and drop mom and the kids over at the Blackwell Village Fair and then **HAM IT UP** without fear of retribution! Cash Prizes!

Ok Independent Amateur Radio Club (OIDAR) Commodore Club, and the Stillwater Atari Club

In 144.71 / Out 145.31 Talk-In:



## Q. R. Zedd

### BORIS BADENOV'S WEIRD IMPULSE

It was only recently that Boris Badenov, ace Soviet DXer and holder of the world record for both moon pies and RC Cola, visited Honor Roll Ranch, just a hoot and a holler south of town, to visit the great Q. R. Zedd, truly the world's greatest DX operator, on the occasion of the birth of his firstborn son, Zepp.

Tondlayo, Zedd's spouse, was recovering nicely at the time, and busy painting one of the south antenna towers, when Badenov appeared. He was accompanied by the brunette, nubile, dagger-laden Natasha Bullwinkle, Boris's QSL aide from Box 88.

It was all real interesting and we would have told you all about it last month if our space hadn't been so limited because N5MS takes up so many pages every month. But in the true spirit of amateur radio fraternity, we won't mention that, and how unfair it all is.

Anyway, when Boris and his entourage reached Honor Roll, he comes charging out of the limousine along with the CIA guys and Natasha and everybody, and the boys from the South Canadian Amateur Radio Society and their elected spokesman, WB5RZX. And old Boris, his Russian-made transceiver bolted to his belt, strides up on the porch of the ranch house, looking for a confrontation with Zedd, and out comes Zedd, but he doesn't even have a radio on him, but in his arms he has this little bundle of blanket-wrapped joy, the baby its own self: Zepp.

"Zapp! Where is your inferior American radio?" Boris demanded. "I have work three new countries on way over here from lousy, rotten, disgusting, capitalist Goldsby Airdrome!"

"Well, Boris, old bud," Zedd drawled, sort of rocking the baby in his arms, "I been taking a few days off."

"What?" Boris choked. "Is got sick from some lowlife imperialist disease?"

"No, Boris, I ain't the one that glows in the dark from visiting Chernobyl. Come on in, son, and we'll talk about it."

Well, Badenov was stunned, as you can imagine. But he followed Zedd into the house and some of us followed, while Natasha, murmuring something about WB5RZX, went off looking for same. (We knew she wouldn't find him; he was hiding under the pickup.)

Inside, Zedd gave Badenov a sixpack and a cigar, and sat down in the rocker with the baby. "How's DX, old son?"

"DX," Badenov thundered, "is great as always for great Russian radio sportsman! I have work all stations this week alone, using new antenna with Lithuania for groundplane! Last week --"

Zedd stifled a yawn.

"What is coming over you, Zebb?" Badenov cried. "Where has got your spirit of compete? How come for you to yawn when greatest DXer in world talk of DX? Is not like corrupt, dishonest, lying capitalist Zapp!"

"Boris, old man," Zedd said with a smile, "you need to experience the joys of fatherhood."

"Fatherhood?" Badenov echoed, shocked. "Is name of new linear amplifier?"

"Fatherhood," Zedd said, "is fatherhood. -- Now don't get me wrong, son. I still plan to have time to work everybody all the time, and be the greatest. But becoming a father is great. It is a noble experience. It makes me remind myself of my own father, Zepp, of whom there was none greater with the possible exception of me. You ought to try it, son. You ought to be a father, too."

Badenov was so surprised that he lost the rhythm of empty Coors cans hitting the floor. "Is good, huh?"

Zedd launched into a monologue about the joys of having a son. With the possible exception of one speech in *Hamlet* or an evening when Johnny Carson talked about Bo Derek, it was probably the greatest monologue in the history of mankind. We did not get a lot of it down verbatim, but he said things like "Being a father is a greater thrill than working Clipperton," and "No man is a man until he has known this kind of thrill."

Boris Badenov sat listening, totally unprepared, and after a while you could see some of his medals sort of wilting.

"You think I should do this, hah?" he asked finally.

"You and that lil Natasha need to start you a sprout," Zedd told him.

"Ah! But what if Natasha don't want no sprout, hah?"

"Well," Zedd sighed, looking sad. "If you ain't man enough...."

"Man enough?" Badenov roared. "Is not Boris man enough? I guess we see who is man enough, imperialist lackey swine, huh? You just wait a darn minute, big boy! I go find Natasha, I tell her I am going assert my manhood and we going to have baby!"

So saying, Boris charged out of the ranch house.

"Boys," said the great one in a tone that could only be described as pregnant with meaning, "this may be interesting."

We waited.

Minutes passed.

Then we heard, distantly, a few screams, and a hoarse shout, and, soon afterward, the distant wail of ambulances drawing nearer.

Knowing his journalistic responsibilities, your reporter rushed outside and chased the ambulances.

It was not a pretty scene down there by the No. 1 fishing hole. They were just loading Boris Badenov into an emergency vehicle.

Natasha, it seems, had stuck him with her knife.

"Natasha," we asked carefully, getting as close to her as we dared, "do you have a statement to make for the press?"

"Press make me a statement, boy, eh?" she shot back, her wide green eyes never more fierce. "I innocent of all charges, demand imperialist pig lawyer! Also --" She sidled nearer, lowering her tone most fetchingly.

"Also, she repeated, cooing, "you tell me one thing, so I don't stick you with my knife too, hah? Where is that WB5RZX?"

-- KU5B

## CORA MINUTES

was made by Phil, seconded by Nora that the entire minutes be published in the C&E. Following discussion concerning the difference between editing and censoring, motion carried. The nays were Joe, George and Buddy, visitor.

NEW BUSINESS: Motion was made by John and seconded by Dave that the Board authorize 300 free Ham Holiday '87 tickets for youth age 16 and under. Motion carried. Meeting adjourned at 8:12pm.

Submitted by: Lee Ward NSHIR

The regular meeting of CORA was called to order by President Jim Buswell, NSBED, at 7:23 p. m. on July 28, 1987 in the Rotunda Room at Lincoln Plaza. Directors present were:

ACARC	Tom Mangham,
KSLOI	
MORI	Bill Edwards,
NWSM; Nora Ward,	NSKDX;
	Tim Rauscher,
KASMUG	
OCAPA	Buddy Kidd,
KESLD; Gary Norris,	KASBQS;
	Craig Wright,
KBSBOB	
76'ers	Jerry Sproul,
NSAUH	
Wheatstraw	George
Maschino, KSGGL; Ted	
VanLaningham, WDSJNT	
EARS	Frank Tassone,
KASWGS; Lee Vaughn,	KASWIS;
	John Thomason,
WBSSYT	
SCARS	Monte Bateman,
WBSRZX; Gary Skaggs,	WBSULK;
	Marshall
Maddox, WUSP	
OUARC	David Medders,
KSPL; Mark Kleine,	NSH2R;
	Louis
Russell, KDSWA	
EARC	Lee Ward,
NSHIR; Phil Wolfenbarger,	
NSHIP	
C & E	Joe Harding,
WASZNF	

Visitors present were Joe Harp, KASZPN; Kevin Sartorius, NSGVN; Dorinda Skaggs, NSIUA; D. C. MacDonald, K2GKK; Zack Zachry, KCSIS; Charles Hofferber, NSFMU; and Denise Thomason.

In the absence of objection the President announced the minutes of the June meeting approved as distributed.

Mark, NSH2R, reported a

current balance of \$134.58 in the C & E account, less about that amount for postage and about \$500.00 for the current C & E which was mailed this date; therefore, C & E is broke. Dues have not been paid by MORI (over \$500.00) and Aeronautical Center (over \$350.00). (Editor's Note: Later investigation revealed that Aeronautical Center's dues had been paid to the previous treasurer who had deposited the check but failed to post the payment to the appropriate account.) Present balance in the Ham Holiday account is \$3,414.22. In the absence of objection the President announced the Treasurer's Report approved as presented.

Joe, WASZNF reported on the Collector and Emitter. All is well except that \$1,000.00 is needed before the September issue.

Charles, NSFMU, reported he was not contacted by the officials of the Sooner State Games; he believes they have restricted registration and probably felt they did not need amateur assistance.

Lee, NSHIR, reported the VE session had eleven candidates, gave thirteen tests, and had a 46% pass rate. Phil, NSHIP, asked for volunteer examiners for the three HH '87 sessions.

### HAM HOLIDAY '87 COMMITTEES

ARRL: On request of the President, John, WBSSYT, reported that, as Gary, WBSULK, would report later, and as stated last month, League representation for HH '87 will be matchless.

BANQUET: Ted, WDSJNT, said Heritage House needed the count by Thursday, and CORA would be held responsible for 90% of the count turned in. Motion was made by Louis, KDSWA, seconded by Lee, NSHIR, that the Board guarantee a count of 60. Motion carried.

DEALERS/PRIZES: Buddy, KESLD, reported 11 dealers have confirmed attendance, 10 of whom have paid; Convention Decorators will be \$180.00. He suggested that since HH '89 will not be hosting the National ARRL convention, the

Board consider dropping the seed money back to \$1500.00 and spending the other \$500.00 on prizes this year. Joe, WASZNF, said the Board should hold off until after Ham Holiday. Discussion followed regarding CORA's responsibility for how Ham Holiday money is spent. The President said the money had to be spent at Ham Holiday in order to obtain League sanction for the convention. The President said the issue needed to be resolved so the chair would entertain a motion. No such motion was forthcoming. Motion was made by Dave, KSPL, seconded by Lee, NSHIR, that the Board continue to the next order of business. Motion carried. The President again said that the issue needed to be resolved. Joe, WASZNF, made a motion to keep the seed money at \$2,000.00, and if there is an extra \$500.00 at the end of Ham Holiday the Prize Committee spend it. Motion died for lack of second. After further discussion the President said he wanted everyone to understand that the status quo is where the Board stands and he would not listen to any argument on the subject at a later time.

FACILITIES: Dave reported that facilities still stands the same as at the last Board meeting.

PRE-REGISTRATION: Jerry, NSAUH, said pre-registration stands at 477, down from last year, which can be attributed to a misprint in the C & E stating closing date as July 10 rather than July 22.

FLEA MARKET: Louis, KDSWA, reported the flea market is already short of tables and he has ordered more for both the flea market and the dealer area. He needs a list of the pre-pays, and otherwise all is under control.

NON-TECHNICAL PROGRAMS: Dorinda, NSIUA, reported the schedule is set and all the programs are expected to be both excellent and well-attended.

PROGRAMS: Gary, WBSULK, said everything is ready for, HH '87. Continued Next Page



Is it September already?  
et

It seems as if Ham Holiday was just the other day. With EARS up front of it all, running the registration booth. We did a bang up job thanks to all who helped. EARS not only ran the registration booth, we had a booth set up in the flea market with a display of 30 years with EARS. I hope everyone had a chance to drop by and see it. A super job was done on setting it up.

That's not all that EARS was involved in did you attend the ARRL forum? Well if you did you know the rest of the story. But just in case you missed it. EARS received their Special Services Club award. Along with the certificate was two ARRL flags.

August started off with a Bang and continued to go like a rocket right up to the last day. You have probably heard this but here it is again several EARS members are meeting each each Thurs. night to build 2 mtr amps they are well into building them. They are assembled from scratch, that is scratching around for

parts, etching the circuit board and assembly of the parts. A complete amp from start to finish. Do you have something in mind that you would like to build? Check it out. There will more than be more construction classes to come.

Have you been by the Edmund library lately if you haven't you have missed out on a great display on amateur radio. Courtesy of guess who? You got it, EARS has done it again. The display was set up the last half of August by Phil NSHIP, Donna KASYSF, Shelby KASYPE, Edith KASYPX and Lee KASWIS.

Our Aug. dinner meeting started out ALL WRONG. We were to meet at The Brici's for a pleasant dinner. The first one to arrive was shocked!! They were closed. They went into receivership that morning with no notice. (did our reputation proceed us???) After a lengthy

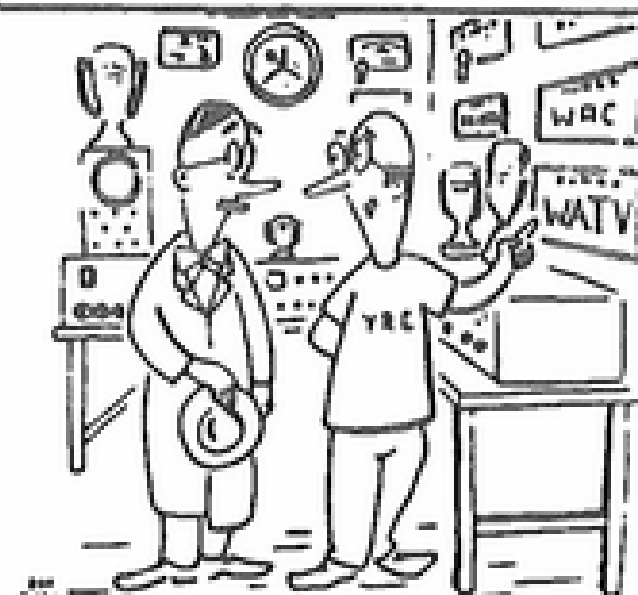
conversation on the air it was decided to go to the Heritage House. Once there everything went smoothly. With 51 people attending. We even had a Birthday Party!!! Some on in our club turned 40 that very day. There were gifts and a Over the hill cake. For more info check with Phil NSHIP.

EARS novice through tech classes start Sept. 27. They

will be held at St. John the Baptist Catholic Church every Sun. at 2:00 PM. Contact Phil NSHIP 789-0681 or John WB5SYT 340-1789.

Don't forget Lake Arcadia grand opening Sept. 27 and 28. More information on the weekly nets.

A larger article next time.  
73 Lee KASWIS



"And the neighbors awarded me this one"

## MORE CORA

REGISTRATION: Lee, KASWIS, said everything is ready to go.

SECURITY: Phil, NSHIP, reported there will be one security officer on Friday night and two on Saturday night. The EARS/Red Cross Explorer Post will be responsible for door security and first aid on Saturday and Sunday.

TALK-IN: Phil, NSHIP, reported that Mark, WD5DYI, would be handling talk-in on 147.03, and he has done the necessary research regarding road-closings, detours, etc.

The President announced that the August meeting would be held at Denney's Restaurant at N. W. 39th and Portland and adjourned the meeting (at 9:20 p.m.).

The Secretary respectfully records in these Minutes that (1) The Board was not given the opportunity to bring up old or new business during this meeting and (2) the Board was not given the opportunity for discussion, nor was a vote of the Board called for, regarding the location for the August meeting.

Submitted by:

Lee Ward, NSHIR

Here is the form to enroll, reenrole, in ARES. Fill it out and send it in.

Send to: O. J. Watkins, WB5SRX  
816 N. Juniper Ave., Midwest City, OK 73130

Name \_\_\_\_\_ Call \_\_\_\_\_

## AMATEUR RADIO EMERGENCY SERVICE

REGISTRATION FORM

Address \_\_\_\_\_

City \_\_\_\_\_ State/Prov \_\_\_\_\_ Zip/PC \_\_\_\_\_

Bus. phone \_\_\_\_\_ Home phone \_\_\_\_\_ County \_\_\_\_\_

License Class \_\_\_\_\_ Primary radio interest \_\_\_\_\_

Check (✓) bands/modes you can operate

	160	80	40	20	15	10	6	2	OTHER
CW									
FM									
RTTY									
SSB									
MOBILE									
PACKET									

Can your home station operate without commercial power? ( ) YES ( ) NO

If yes what bands? \_\_\_\_\_

Signed \_\_\_\_\_ Date: \_\_\_\_\_