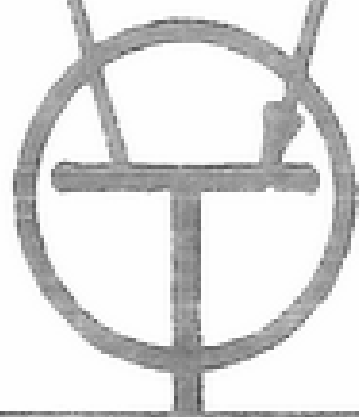


Central Oklahoma Radio Amateurs

COLLECTOR

EMITTER

AND



SINGLE COPY

50¢

AN INFORMATIVE MAGAZINE  
PUBLISHED MONTHLY BY AND  
FOR OKLAHOMA RADIO  
AMATEURS

AND ANYONE INTERESTED IN  
LEARNING ABOUT IT

Volume 7

JUNE 1981

Number 77



1981 DAYTON REPORT--AN EXCLUSIVE  
COLLECTOR AND EMITTER EXPOSE

# YOUR COMPLETE AMATEUR RADIO STORE

# KRYDER ELECTRONICS

**0-30 MHz**

\* continuous coverage reception—  
no gaps—no range crystals required

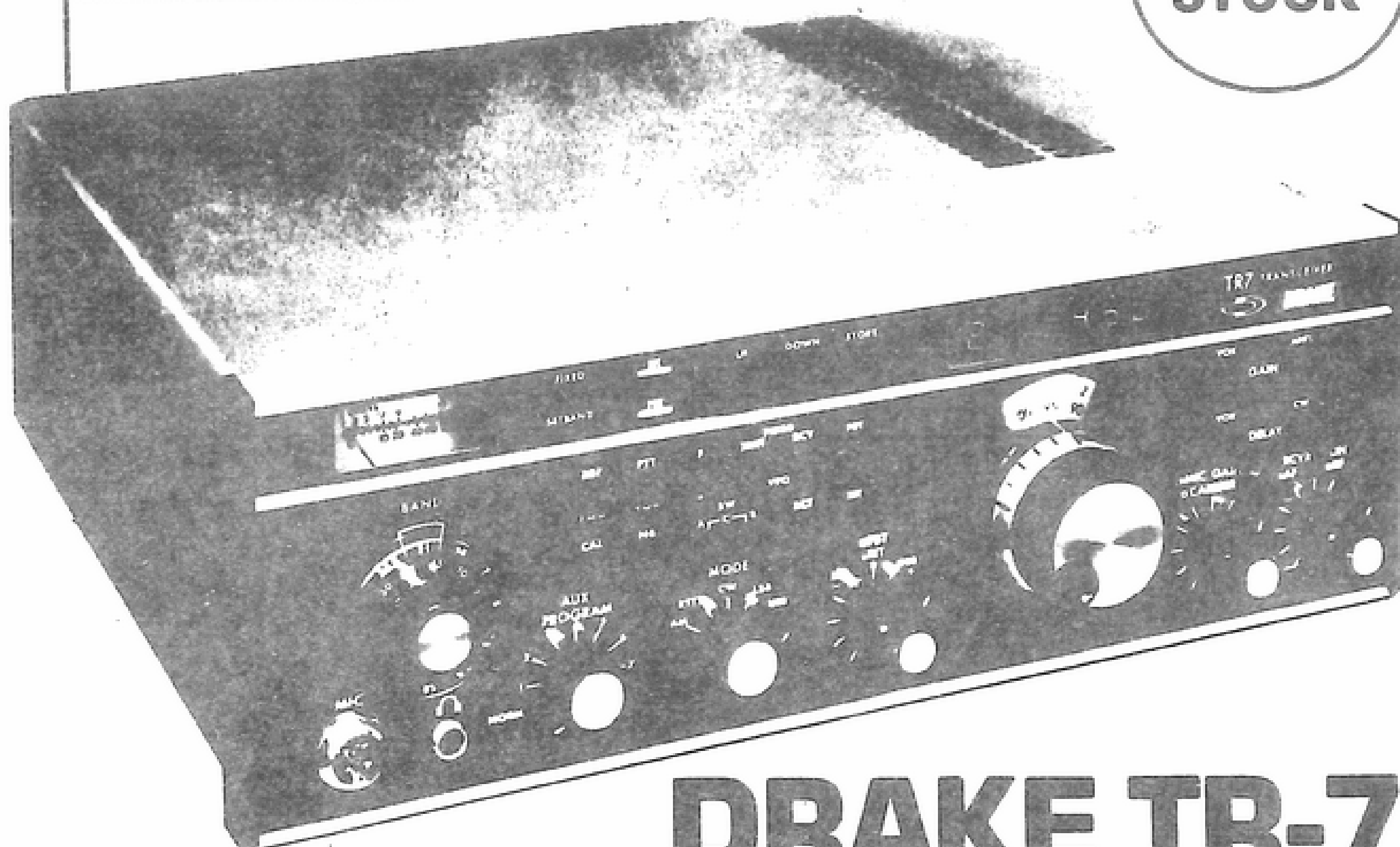
**160-10 Meters**

Amateur Band transmission, including  
capability for MARS, Embassy,  
Government, and future band expansions

*The Drake TR-7 System significantly  
advances the technology of worldwide  
radio communications and unfolds  
an entirely new state of the art.*

Designed and manufactured in U.S.A.

**NOW IN  
STOCK**



## DRAKE TR-7

*A remarkable  
engineering  
breakthrough*

**solid state continuous coverage  
synthesized hf system**

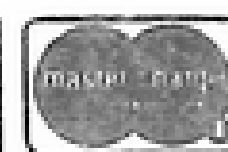
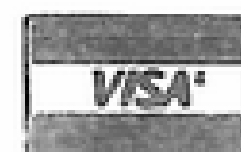
Model 1337

**KRYDER ELECTRONICS CARRIES ALL MAJOR BRANDS OF HAM RADIO EQUIPMENT**

**(405) 789-1951**  
Chuck Guschke, N5 SW

#### NEW STORE HOURS

TUESDAY ..... 10 - 6  
WEDNESDAY ..... 10 - 6  
THURSDAY ..... 10 - 6  
SATURDAY ..... 10 - 6  
FRIDAY ..... 10 - 7  
SUNDAY ..... CLOSED  
MONDAY ..... CLOSED



**MacArthur Square Shopping Center    5826 N.W. 50th Street    Oklahoma City, OK 73122**

# Central Oklahoma Radio Amateurs

## COLLECTOR AND EMITTER



CORA Collector & Emitter (USPS 116-150) is published monthly for \$6 per year by CORA, Inc., 1020 Arthur Dr., Midwest City OK 73110. Second Class postage paid at Oklahoma City OK. POSTMASTER: Send address changes to: CORA C&E, P.O. Box 15013, Oklahoma City OK 73155.

Contents may be reprinted without prior permission by "club type", non-profit publications. Credit: CORA Collector & Emitter

Managing Editor: Joe Harding, WA5ZNF 737-1044  
Circulation Mgr: Bob Graham WB5NSV 677-8685

Central Oklahoma Radio Amateurs, Inc. (CORA) is a not-for-profit association of radio amateurs, founded for the promotion of interest in amateur radio communication and experimentation, for the advancement of the radio art and of the public welfare and operates to enhance the cooperation of member clubs in sponsoring activities of mutual interest to the clubs and all radio amateurs.

President Chuck Wilhite K5NK 721-4926  
Vice President Bob Graham WB5NSV 677-8685  
Secretary Kay Northcutt WD5DYJ 842-1086  
Treasurer George Maschino K5GGL 263-7614

### CLUBS PARTICIPATING IN CORA

<b>1 AERONAUTICAL CENTER ARC</b> MEETS: 8:00 PM First Friday each month Flight Standards Bldg. FAA Aero Center Pr WA5CJG Bob Pace 376-3569 VP K5KOR Bill Oliver 329-6333 Se WB5NSV Bob Graham 677-8685 Tr WB5AAY Larry Buqa 789-4180 EDITOR: Bob Graham 677-8685	<b>2 OKLAHOMA CENTRAL VHF CLUB</b> MEETS: 8:00 PM Third Friday each month American Red Cross, 10th & Hudson OKC Pr WD5IRB Ralph Bartow 521-8330 VP WA5FND Bill Holand 354-5018 Se K5JB Joe Buswell 732-0676 Tr W5KE Ellard Foster 789-6702 EDITOR: Joe Buswell 732-0676	<b>3 MID-OKLAHOMA REPEATER, Inc.</b> MEETS: 8:00 PM First Tuesday of month Okla City EOC, 4600 N Eastern Pr KA5CXM Fred Taylor 528-1537 VP W5PDW Frank Arnold 737-1582 Se KA5FED Susie Atkinson 842-8014 Tr W5K0Z Sid Gerber 737-1050 EDITOR: Susie Atkinson 842-8014 Dues: Sid Gerber, 829 Bouse, MNC 73110
<b>4 OKLA CITY AUTOPATCH ASSOCIATION</b> MEETS: 7:30 PM Third Tuesday of month Okla Military Academy, 36th & Grand Pr K5NK Chuck Wilhite 721-4926 VP N5IH Henry Isreal 722-3848 Se WD5KFT Clara Storm 495-6228 Tr WB5QPI Zach Zachry 732-2888 EDITOR: Henry Isreal 722-3848	<b>5 OKLAHOMA UNIVERSITY ARC</b> MEETS: 8:00 PM (Sep-May) 2nd Tuesday Carson Engineering Center Pr WB5RQB Lee Hardy 325-4545 VP KA5C01 Peter Richeson 329-3217 S/T Peter Richeson EDITOR: Chris Royce 364-3848	<b>6 ALTUS AREA AMATEUR RADIO ASSOC.</b> MEETS: 7:30 PM 2nd Thursday each month North Main Fire Station (CD) Altus Pr WB5MJS Charles Smith 477-1098 S/T KB5FW Dennis Bonewitz 477-0194 EDITOR: Mike Schenkke 482-1797
<b>7 BICENTENIAL ARC (THE 76'ERS)</b> MEETS: 7:00 PM 2nd Tuesday each month Air National Guard, Will Rogers Apt. Pr KB5BS Bill Skipper 495-6946 VP N5AUH Jerry Sproul 354-2061 Se WB5EQ Jim Buswell 236-0368 Tr WD5BNP Joe Couch (Guthrie) 282-4353 EDITOR: Coy Day	<b>9 WHEATSTRAW AMATEUR RADIO CLUB</b> MEETS: 2:30 PM First Sunday of month Location Varies. See club section Pr AD5Z Roy Barnes VP WD5GLD Dick S/T WA5PFX Ralph Wilder 623-5421 EDITOR: Ted Vanlangenham 262-1675	<b>10 CHOCTAW AMATEUR RADIO CLUB</b> MEETS: 7:00 PM 2nd Monday. Woods Comm- unity Baptist Church, SE 29 & Choctaw Pr WD5EVP Bob Allen VP AB5H Frank Carter 391-8297 Tr KA5ALO Richard Edwards 390-8297 Se WB5EP Syrena Standlee 279-3975 EDITOR: Syrena Standlee 279-3975
<b>11 EDMOND AMATEUR RADIO SOCIETY</b> MEETS: 2:00 PM 3rd Sunday. Room 205 Science Bldg. Central State Univ. Pr KB5RR Clarence Dollmeyer 341-7163 VP WD5DGC Don Brown 737-6141 S/T KB5QC Roger Harmon 348-1230 Ad WB5EQ Jim Buswell 236-0368 EC WD5HXX Ken Stepp 341-4878 EDITOR: Clarence Dollmeyer 341-7163	<b>12 SHAWNEE AMATEUR RADIO CLUB</b> MEETS: 8:00 PM 2nd & 4th Tuesday Shawnee City Hall - EOC Pr K5LFZ Bob Almand 598-5148 VP KA5FIT Walter Fultz 598-3984 S/T KA5PBC Jim Sullivan 273-3843 EDITOR: Jay Tingle 273-3033	<b>13 KAY COUNTY AMATEUR RADIO CLUB</b> MEETS: 7:30 PM 3rd Thursday of month Security Bank Basement, Ponca City Pr WB6NBX Steve Scott 765-7408 VP WB5SAG Grady Skillern 765-3411 S/T Cosby Clarke 765-3105 EDITOR: Steve Scott 765-7408
<b>CENTRAL OKLAHOMA RADIO AMATEURS</b> CORA meets the fourth Tuesday of each month. 7:30 P.M. at American Red Cross Use back door. 10th & Hudson, Oklahoma City ALL CLUBS should send their three representatives to EVERY meeting! EVERYONE WELCOME	<b>15 SOUTH CANADIAN AMATEUR RADIO SOCIETY</b> MEETS: 9:30 AM 3rd Saturday each month Red Cross Bldg. North Campus Norman Pr KB5EK Wade Anderson 794-5144 VP KC5CU Charles Warner 364-9561 Se WA5RPP Sam Barret 321-6297 Tr WA5HLT H. O. Townsend 329-4426 Ed WB5TZZ Jack Bickham 329-1311	<b>16 EDMOND AMATEUR RADIO CLUB</b> MEETS: 7:45 PM First Monday of month See club section for location. Pr WB5UIY Stan Van Nort VP WB5ISO Wendall Cochran 943-4308 S/T WA5BQX Bob Shaw 341-4874 EDITOR: Stan Van Nort
<b>17 TRI-CITY AMATEUR RADIO CLUB</b> MEETS: 7:30 PM First Monday of month. Location varies, see club section. Pr WB5UBB John Harriner 379-3149 VP WB5VLT J. B. Bills 379-3992 S/T KA5FDA Nancy Haydon 379-6448 EDITOR: Yvonne Harriner, WB5TYN	<b>18 GREAT PLAINS AMATEUR RADIO CLUB</b> MEETS: 7:30 PM 1st Tuesday each month Woodward Court House basement. Pr NSCHN Bill Wyatt 256-3248 VP WD5DFH Bill Reid 994-2336 Se NSCCV Gerald Bowman 994-5381 Tr WD5DFG Donna Reid 994-2336 Ed WB9QGM Carla Tice 994-2138	<b>19 SOUTHEAST OKLA AMATEUR RADIO ASSN.</b> Pr WB5TTV Ron Henson 326-5418 VP WB5ULI George Weldon 326-5672 S/T WD5FUE Orville Kaley 326-3640



Red Cross. The Good Neighbor.

## COVER STORY--DATELINE DAYTON--1981 EDITION

Well, the 1981 Dayton Hamvention is history and all I can say is that it is just in time. Our cover photo is the usually unflappable K5JB after a grueling day in the massive Dayton Flea Market. This, folks, is hard work and the rewards reside in your junk box and your mind. Each year, the flea market yields greater and greater rewards to those hardy and honest souls ready, willing and able to mix it up with the big boys. As George Allen said, "The time is now."

There really was no conscious decision about whether or not to go to Dayton this year, only how it would be done. A question proffered while sitting around drinking coffee the week before caused K5JB to declare that if the weather was so bad that we could not fly private or use our big commercial bird reservations, that, by golly, we would roll out the Big Blue K5JBMobile. This is a vehicle closely designed to be similiar in communications capability to the automobile driven by the Caped Crusader and Robin. I mean, what could you want besides HF, VHF, and UHF including two repeaters, except maybe pulsed code modulation and 10.5 Ghz and given a little notice and lead time, that could be arranged. If we had to, it would be a short stop to load up the van with the appropriate radio equipment and its "off to the races." In my heart, however, I knew that this would not be the case. The plan for our exodus to Dayton began to evolve almost as soon as we got back last year. K5JB graciously consented to taking my airplane last year in deference to my just recently acquired private license. This year, my plane's unavailability and the overwhelming availability and readiness of JB's 182 prevailed and as we lined up for post time, we began pointing toward the big yellow bird, much like an anxious colt paces before the Kentucky Derby.

It's really a good limiting factor that the Dayton Hamvention doesn't start on Monday because I am sure that we would all take off and spend the entire week in this flea market mecca. Fortunately, for all of our schedules, the Hamvention has expanded only to take in Friday afternoon. This action in both the Flea Market and commercial exhibits continues until early Sunday afternoon when I may usually be found swinging last minute deals in the market while being gently urged out of the arena area by an increasingly insistent Public Address announcer. The plan as it developed was to take off on Thursday in the JB clipper, weather permitting. Should cloudy skies and Thunderstorms prevailed, we would hop a commercial flight booked out of Tulsa. JB, myself, and Dennis WB5ISN had already made our plans along these lines. If we did find ourselves on the commercial flight, we would be joined by Jim WB5YWO and Joe WA5FLT who had planned the commercial flight all along to make a scheduling deadline back in Oklahoma on Monday (Joe was going to Boston the day afternoon). Jim had made the hotel reservations and we had three rooms available (cancelled one at the last minute, but still had to pay room rent roulette with the cretin desk clerk when we arrived, but more on this later.) Since ground transportation would be at the grace of our friends in Dayton, Jim and I had decided to rent a car and I called and reserved one well in advance at what (I thought) would be a weekend reasonable rate. Foolish me, but more on this later.

JB and I had been watching the weather and considering the baggage space that would available in the plane with only three people in the plane. On Thursday morning, we were both up early to watch AM Weather and found that all the fronts had passed through and the worst that we could expect would be a little rain maybe when we hit Dayton. Joe WA5FLT called in on 444.1 to find out when we would be leaving so that he could see us off at the airport before proceeding toward Tulsa to catch his flight with WB5YWO. Never one to underestimate the load capability of the 182, I suggested to JB that maybe Joe might want to tag along on the upwind leg and JB quickly agreed and told Joe to bring along his toothbrush and underwear. I choked up on my baggage plans, but



really didn't need to.

We met at Expressway and piled everything into the plane including a large package of cookies and doughnuts from our friends at Dunkin'. The plane was just a little sluggish in climbing, but we finally made it to altitude. Our first couple of ground checks showed no real wind for what should have been a tail wind. The ride was smooth and stable and it was here that we made our first tactical error in deciding to descend to the deck to pick up a little speed. The speed increase was minimal and the ride assumed cookie tossing potential all the way into Farmington. Actually, with the pickup in speed, it might have been possible to proceed direct to Dayton, do not pass go, do not collect \$200, but the stop gave us a chance to stretch our legs and give JB a much needed workout in a 17 knot 90 degree component crosswind. He put it on the ground with nary a peep.

We took a vote on the altitude for the next leg into Dayton and decided to fly high like a bird in the sky to avoid your basic bouncy ride. I personally offered to underwrite the time difference it might cost, but found everyone was in agreement. This time, it was smooth again above 10,000 feet, even though we had to dodge a couple of clouds here and there, and the time difference was negligible. The ride was 100%, no make that 200% better. Somewhere outside of Dayton a couple of hundred miles or so, JB talked with WA5ZAI who was caravanning in with a couple of friends from Omaha. The plan was to meet at our usual Thursday nite spot called the Fireside Inn for our preDayton celebration. The chat also gave us the opportunity to arrange transportation from the airport among the local friendly Dayton natives.

Ground transportation was well intended, but there was no way to squeeze four bruisers and a ton of baggage inside a Pinto and still leave room for the driver. Well, there is a way because we did it but it only lasted long enough for us to get over to the main terminal building to cash in the commercial tickets. I went down to Avis to arrange the rental car for WB5YWO to pick up when he arrived on the "red eye" flight at 2:00 a.m. The first super snag of the day occurred when I was baited and switched and drawn and quartered at the counter. Let us join the conversation as follows: "Hi, I'm here to make arrangements for a rental car to be picked up by a friend of mine later tonite. Will anyone be here?" Sure will, We are open all night. "Great" quoth I, "I understand that we will qualify for a weekend rate of a flat \$17.00 a day if we pickup the car after 6:00 p.m. today (Thursday)." Oh no sir, the weekend rate doesn't begin until noon on Friday. If you add the extra day, that would be, umm, ah, \$90.00 for three days. "Lady, you are one pickle short of a barrel if you think that I am going to pay twice the other rate for just one day more. Besides, I have a reservation number and I was promised a weekend rate if I picked up the car after 6:00 p.m. today. I promise you that I will not be back here tomorrow at noon to pick up a car just as the doors are swinging open at the Hamvention site." I'm sorry sir, that is not the rate. "Listen Lady, I went to alot of trouble to rent a car from your company and whatever happened to that obviously abandoned slogan you guys used to have called, We try harder? So much for that."

Humrumph! I noticed that she had slid the button very carefully off the counter quietly while we were talking. I went ahead and made her fill out the paperwork for their \$90.00 switch. After consultation with WB5ISN, we walked across the counter aisle and rented a car from National for a weekend rate for just a few bucks more per day, but unlimited mileage. Yes, they did have a car, but we would have to pick it up now because nobody would be on deck that night. I asked if they might leave the key for pickup at Avis, but they declined. Well, unless old Jimmy boy wanted to walk to the Hotel, which would have been a fat chance since he didn't even know where it was, we would have to come back out and pick him up. I delegated WB5ISN as the official chauffeur and we headed off in a cloud of dust.

After receiving directions to the Motel, we split off from JB as he went in search of Bob K8JYK. The Motel was out of Dayton near Wright Pat AFB. Cheese!! This is a long way off for somebody who applied for reservations in November. We found out later that the Hamvention committee had established some "perks" for the exhibitors by giving them prime motel space close to the covention site and roping off large sections of parking for them. Generally, I have made out quite well on room reservations, usually getting well within the Holy circle numerous times and only once striking out and having to stay in downtown Dayton. Usually haven't had to drive more than a couple of centons (oops, been watching too much Battlestar Galactica). Oh well, at least this year, the car was unlimited mileage.

We arrived at the Motel in time to do battle with the desk clerk, a Kelly Girl reject. Seems like she could never get into her mind that we had cancelled one room and wanted two rooms for three nights. She repeated this to us at least four times and never understood it herself. We ask her if she would have any problem renting the room. Oh no, it will go right out. For a moment, it occurred to us that we could sublease the room for a small fortune to some poor amateur slob who had to drive in from Indiana. I decided however against it for fear of cause the lady to have a neuron meltdown. It took her fifteen minutes just to make change for a dollar so I could buy a package of potato chips. All of this made our checkout more interesting especially when they tried to overcharge us almost a hundred dollars for the extra room we cancelled. Seems like we had violated their policy of not cancelling at least 48 hours in advance even though it was never mentioned to us nor did it appear on their reservation confirmation. After all, it was bad enough that they raised the price of the room \$6.00 apiece from the room rate posted in the room. Plus there was an additional \$2.00 or so per room per day tax. We battled the clerk to a standstill on Sunday at checkout and finally beat back the Huns.

After a short nap, we dashed out to join JB and Bob K8JYK for dinner then over to the Fireside to see Hoss, Bob NØBX, Keith WA8ZWJ and a cast of thousands for dinner and drinks. We hung around until it was time to head out to pick up Ole Jimmy at the airport. Boy, it certainly was the "red eye" flight as Jim got off the Delta flight looking like all the other refugees. Jim, Dennis and Joe paused for a couple of pictures at the Discover Dayton sign.

We were up at the crack of midmorning (the late hours were killing me, I had stayed up until 3:00 a.m. the previous morning packing and unpacking) I was originally awakened at 8:00 a.m. by John WAØNEV, Jim's brother who could not get away to make it to Dayton. He had just made up his want list and checked it twice. I took down the items and chatted with John because Jim was still speaking in gutteral expressions.

Skipping breakfast, we drove down to Mendelson's, the surplus mecca of Dayton to peruse the new leavings. They had remodeled, but you couldn't tell it. This place is good because of its unusual offerings and good surplus, but is noted for its high prices. You just have to beware of any place that uses a pricing marker on their items (I don't care even if they got it surplus). The usual plan is to pick up ticket for the Hamvention at Mendelson's to avoid the crowd at the arena, but the Hamvention people had been by just a little bit earlier to pick up the tickets. Rats, better head out to the convention site and get a position in front of the arena to buy a couple of tickets. We were able to sneak into the Exhibitor's lot (don't know why that guard waved us in) and set up camp in front of the door waiting for the ticket gate to open up. The organization this year seemed to be the poorest that we have found and they were late getting the window open. I made it up first and picked up three tickets for Jim, Joe and myself.

I charged into the flea market and boy was it cold and I mean chilly. It also

looked like rain. Jim, Dennis and Joe abandoned the flea market after about an hour or so, but I turned in a full two hours before I had to go inside. One of the first items that I bought was a pair of gloves.

The commercial exhibits looked pretty good, but as soon as I warmed up, I went back outside for more action. This time I lasted only an hour before going back in. I checked with JB and he said that Hoss had made reservations for about 25 or so at one of the local steak bistros and we were welcome to join the crowd. We headed out about 6:30 p.m. or so and enjoyed a thoroughly delicious meal and the company of the group. Hoss hooked me for a couple of tickets to the FM Bash and we had no choice but to head downtown for the Convention Center. Along the way I spotted our old friend Nicolas Dixon WT5APE who had flown in for the Friday afternoon, but was due back in Skunk Hollow, Oklahoma for the First Annual Skunk Hollow Amateur Radio Club Hamfest beginning on Saturday (billed as the second biggest hamfest in the world on the last weekend of April) Nick enjoyed the Bash, but I didn't. Probably because I am not partial to Banjo bands. I am not sure whether the band played fifty songs one time or one song fifty times. They really all sound alike. We only stayed for an hour before heading out to the airport to put Nick on a flight back to Oklahoma.

The weather picked up the next day and it actually warmed up quite a bit. The slight chill in the air made it ideal cigar weather. The heavy artillery was starting to come into the flea market and I bought a UHF Micor receiver and audio squelch board for starters. My first loser of the weekend was K5JB looking over some Gunn source burglar alarms inside being sold by a local firm as surplus for peanuts (where peanuts is defined as less than \$5.00 apiece). Joe called me on the radio and ask if I needed anymore microwave stuff and I thought that he meant waveguide, etc., so I said no. WA5FLT purchased one of the devices and after looking at it back at the motel, I knew I had made a mistake. When we charged back to the arena the next day, I found out that Mendelson's had slipped in and purchased all the remaining stock. Rats, I dashed out and tried to talk Bruce Mendelson out of a couple of units at twice times peanuts, but no dice. He said that they had a burglar alarm company that they would use them in. I don't know if that is a good idea, Brucie, since K5JB confirmed that the alarms that he had purchased had been modified in an apparent attempt to keep them from falsing. The devices have a 10 Ghz gunn source and receiver and function just like a police doppler radar except that instead of counting the return frequency to determine speed, it only determines if there is a return signal. For cutting me out of the market, I hope they don't work and maybe we'll see all those boxes next year at Mendelson's surplus sales.

This kind of action is a common occurrence. Fortunes can be made before sundown by the early bird who arrives in time to buy all of some unwitting flea marketer's stock, the jack the price and market it all a couple of rows over for a slight (or generally not so slight) profit. Stories of doubling or tripling money are not uncommon. Certain items like coax connectors are generally seen at several different sources in the market probably purchased by each exhibitor at a common source. There appears to be a "ripple" effect to this as the common source provides goods for sale to the other sellers. This year I noticed a large supply at several different tables of a multiple telephone adaptor. Numerous people had them at a wide range of prices. It could pay to shop around.

Hoss scored another bullseye on the dinner selection for Saturday (believe that he had a little help from Keith WA8ZWJ) and the crowd in our group was just as large as the previous night with only a couple of substitutions as NØBDX bought a ticket to the Hamvention Banquet and was substituted for in the crowd. After a brief tour and interlude in downtown Dayton, we finally headed

back to the room.

I tried to get up early the next day, but couldn't. We usually arise at 6 in the morning to hit the flea market early, but the crowd I was with this year was sort of ambivalent about early rising. This time, we even ate breakfast and went back out to the Hamvention site to continue our work in earnest since this would be the last day. I had not made it through the entire market outside when I thought that it might be a good idea to check on what was happening inside. I ran from booth to booth stuffing literature in my sack and viewing the commercial exhibits. I stopped to admire the new Cushman CE51 which features a tracking generator that works in conjunction with the oscilloscope display that allows you to tune a duplexer by just watching the display. The scope displays amplitude versus frequency and I watched in fascination as I turned the adjustments on a duplexer on the test set up and watched as the notch broadened and narrowed. The device could display a notch of about 100 db and that's not bad. There seemed to be a number of keyboards from A-tronix and MFJ with their new one. All looked nice, but at the cost that some of these things are getting, it would almost be better to buy a radio shack computer and write the software and have a general purpose machine left over. Lunar Electronics had a variety of high dollar and high quality preamps and VHF amplifiers.

One company was publishing a pretty slick looking display and classified advertising magazine called 'Nuts and Volts.' I think that the title is applicable to amateurs on both accounts. \$5.00 will get you a subscription when sent to P. O. Box 1111, Placentia, California 92670. They had a fairly aggressive marketing technique (a fairly nice looking insistent young lady, I wound up with several extra copies). Electronics was back with an expanded line of projects, parts and PC boards for the 2300 Mhz band. R & L Electronics had an extended line of tubes of all types including the GE 6HF5's that I need as a set of spares for the Swan 350 (make that three drifts). Tempo had a variety of distributors with their new synthesized 450 Mhz radio the Tempo S4. It looked so good that Dennis bought one off the shelf shortly arriving on Friday. Before the weekend was out, everybody in our group except me had succumbed to the lure of the synthesized radio. Even WD5FAM bought one early. WA5FLT got his before the show stopped and WB5YWO went down early in the day on Saturday. Counting K5JB who brought one with him, that made five in the group. I got some literature from a couple of companies that are starting to offer custom software development. One of the clunkier ideas was the \$100 repeater. For that money, all you got was a couple of timers and a Vox and a claim from the makers that you build a repeater with just two radios. The advertising sheet said you only needed to separate the radios by a couple of hundred feet and then you would have an emergency repeater that keyed the transmitter off of the audio from the receiver. They did neglect to talk about things like separation and isolation, but these devices could be useful if you were working cross band (i. e. from UHF to your favorite VHF frequency). But K5JB built the equivalent for \$5.00 worth of parts when he got back.

Before leaving, I went by the 73 Magazine and Ham Radio booth and signed up for lifetime suscriptions, something I had always wanted to do. I hope that they meant my lifetime and not theirs.

We stayed for the drawing, but it was futile. Ole luck JB felt that he would have a ship come in, but even he drew a blank. We jumped back into the rent car and headed out to the airport and loaded up the plane. The weather was OK except for the adverse winds that held the ground speed to 90 knots for a couple of legs before we dropped to the deck for a little excitement. Our first stop was Springfield after 5 hours in the plane. We stretched and snacked, then Dennis, Joe and I piled back into the 182 to finish the trip off. Joe had

forsaken us for his commercial flight to Boston. Jim WB5YWO had met his commercial flight a couple of hours before we left and was already home and tucked in when we flew over Tulsa. I checked in with K5FVL on the Stillwater repeater to confirm his bedcheck. I also snapped a couple of pictures over Tulsa at night that didn't look too bad and Dennis took a couple of some passing objects higher than we were (a couple of TV antennas and a smoke stack or two).

Back home, Joe and I went to a local coffee shop to debrief and I dragged myself home and didn't even unload the car before going to sleep. Another Dayton over with, but I got up the next day and began making plans with JB for next year. This time, I am not going to miss those \$3.00 Gunn sources.

I decided to forego the Dallas Flea Market the next weekend, but HamCom will be here the first weekend in June. I just got the registration off (one of the first times I ever preregistered) and plan on going down on Saturday morning. And, of course, Ham Holiday will be here soon. Things look good on all counts. Righton!

Micheal Salem N5MS

#### W5OHH ESTATE SALE

Ole Buzzy Brooks was a friend of mine, but he called everybody cuz. Buz had donated several items to the 28/88 repeater including a power supply and always seemed to have a couple of projects going on all the time. I never made it over to his house while he was alive, but I wish I had. He was an early experimenter in microwaves in this area. I went to the estate sale this past weekend and was amazed at the vast array of equipment that he had assembled including one of the largest collections of crystals that I had ever seen. The shop took up a large part of the garage, but when the equipment was parcelled out into lots for sale, they were all over the area. A slight rain didn't hurt the crowd very much and everything was gone by 4 O'clock or so. Larry, Dave and Joe conducted most of the sale and I think that there were very few items that did not go for nothing. I bought a couple of antenna tuning units and K5JB, WA5TOO and myself split a box of coax connectors and adaptors. Just like Wayne WA5AOB, Buzzy was a real experimenter and tinkerer. I hope his collection gets put to good use.

Micheal Salem N5MS

FOR SALE                      1  
KSR "Beta" model Printer  
by Syner Data Corp.  
300 Baud, RS-232 Interface, Serial I/O  
NO REASONABLE OFFER IGNORED

MAKE OFFER  
Contact:  
Bob WB5NSV  
677-8685 or  
Joe WA5ZNF  
737-1044



Edmond Amateur Radio Club  
P.O. Box 76252 / Okla. City, Ok. 73147

WRITTEN AND EDITED FOR  
EARC BY STAN VAN NORT,  
WB5UIY. OTHER COMMENTS  
ARE WELCOMED.....

### DAYTON EXPRESS

Well another Dayton Hamvention has come and gone, however, this was the first year since becoming an amateur that your editor here has missed that outstanding event. I was in full preparation for being a father and couldn't leave town since due date was the same time. Disregard any rumors that imply Annette ordered me to stay, as it was purely voluntary. I won't miss next year due to poor planning! Anyway, Dennis(WB5ISN), Mike(N5MS), Joe(K5JB), & Joe(WA5FLT) all flew up to Dayton in Joe(K5JB) airplane. They all report a good trip and good time at the convention. Another club member, Bill Lingle(WD5FAM) made the trip in his car. Apparently the new Tempo S-4 was in abundance as they all purchased one. Dennis & Mike scoured the flea market real well looking for equipment that the club needed. They didn't come close to a receiver voter system (Motorola calls it a comparetor) but they did pick up a Micor type panel for mounting the new Micor receiver. Mike Salem, N5MS, will probably have a lengthy article in this issue about his experience there, so be sure and check that out.

### MAY BUSINESS MEETING

The meeting was held at the General Electric building on May 4 at 7:30 PM. The minutes and treasurer report was read and approved. Old business commenced with Dennis, WB5ISN, submitting a block diagram of the 63/03 repeater system. This will be printed in the July issue of the C. & E. so watch for it. It continued with discussion of developing remote receivers and a voter system. Dennis reported they had no luck in Dayton locating anything. The issue was refered back to the committee for further planning.

New business. Dennis again reported on the Dayton trip and noted the club purchased a Micor component to mount the existing Micor receiver and power supply. This will be installed soon replacing the G.E. receiver now in service. Mike Salem then took the floor and commented on an up coming hearing at the City Zoning Commission to be held May 6, 1981. The issue to be heard was involving an amateur radio tower at Chuck Guschke's residence. Mike said he already had several speakers lined up, but asked for some members to show up also for support.

The meeting was adjourned in the middle of a big downpour and everyone got soaked as they headed for McDonalds. There were approx. 18 members present and 1 visitor present (Doc Goodhead).

Let the minutes reflect that Larry Dillard(WB5CWB) was late again!

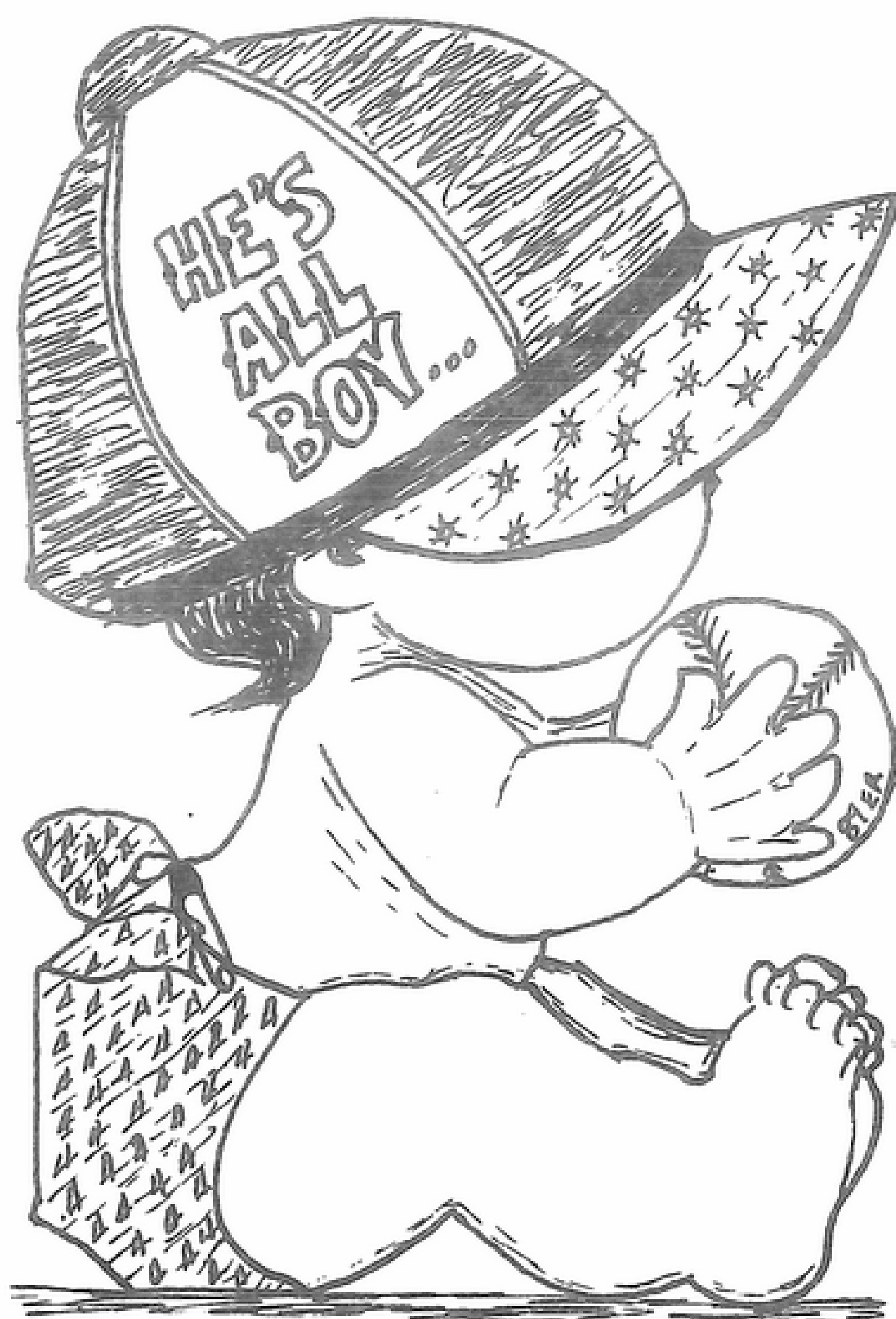
### REPEATER UPDATE

The new Micor receiver was installed on May 12 for the 63/03 repeater. It has been getting good reports since then, and the technical committee hope's everyone is able to work it better now and appreciates their efforts.

Dennis is trying out a duplexer cavity on the UHF repeater, acting as a band pass filter, in an effort to cut down on some inter-mod problems there. This was put on May 21 and the duplexer belongs to Dennis. At this time it is only experimental.

The receiver to the 93/33 was taken down May 19 since there was a lot of problems with inter-mod and other trash. Therefore the 93/33 repeater will be off-the-air until further notice. Dennis hopes to try out another receiver location some time soon. He is also planning to take the old G.E. receiver from 63/03 and tune it up for the other repeater. The G.E. receiver worked fairly well and should improve things. The Okc Autopatch club has tested a pre-amp on the coax line feeding into the splitter at the Channel 9 shack. Our equipment is interconnected to the same splitter and should help. This is still under tests also, but listen for improvements.





### ITS A BOY or DADDY STAN

What more can I say. Well it all started shortly after the meeting Monday May 4. Things progressed into Tuesday morning when we went to the hospital and around 7:44 PM Annette finished her part and mine started. OH BOY! It was real exciting since I was allowed to participate all the way through and even into the delivery room. My first time. Because of my job I was used to seeing some-things inside hospitals, but now I was involved. It was a rewarding experince and I encourage any other future father to do same. It really makes your family closer.

Now the stats:

Name: Thomas Aaron Van Nort  
Date & Time: 5-5-81/7:44PM  
Weight: 7lbs and 3½ozs  
Length: 20 inches  
Disposition: Eats like a horse and growing like a weed. Mother is doing fine and both got to come home just two days later. Like I said my part just started...diaper changes, 2 AM feeding, babysitting.....

### IT IS JUST BEGINNING OR CHECK YOUR TOWER HEIGHT

I'm hoping this is covered by Mike Salem, N5MS, in his pages. But, as noted on the previous page, a hearing was held on May 6 in regards to Chuck Guschke's amateur radio tower at his residence. The hearing was before the City Zoning Commission and in general summary, it did not pass. Mike represented Chuck before the Comm. and called in about 6 people to make presentations. Several club members were there in support as well as other members of the OKC Amateur community. The result means he will have to comply by lowering his tower to no more than 50 feet. Or make an appeal to higher courts, as we understand it, at this printing, the latter is still pending.

To the amateurs living inside the City Limits of Oklahoma City this will set a precedent for future towers and possibly existing ones. If you are concerned about having the City controlling how high you put up your tower and possibly other restrictions, I am now encouraging you to get involved. As President of the EARC I would like to see every member get involved and support Chuck. Remember this for non-city residents, this will sooner or latter encompass your community and more-than-likely they will follow the final ruling on this matter.

Personally I don't like the city ordinance and I plan to participate in the support of Chuck's cause. I hope you will consider it.

### ROSTER UPDATE

John Bohan's new address and phone number, also new call:  
N5DBO, 6115 N. May, Apt. #149, Oklahoma City 73112. Phone 842-1710

## OKLAHOMA COUNTY A.R.E.S. RECEIVES STATE RECOGNITION

The Oklahoma County Amateur Radio Emergency Service will be presented with a commendation by the Governor's Office June 2, at 1 p.m. The award is given for the work of Emergency Service members in providing direct weather information from the National Weather Service Forecast Office in Oklahoma City to outlying areas of Oklahoma during severe weather.

When threatening weather exists in the state, Oklahoma County A.R.E.S. members begin monitoring various frequencies for weather information. Volunteers are often stationed inside the NWS office, in direct communication with officials and concerned amateurs in the field. The monitoring station for the amateurs at the weather bureau is located in the radar room.

The recommendation for the award comes from the Grady County Civil Defense Director, Mark Brown (WB5YTO), of Rush Springs. His area of responsibility has been directly affected by many severe storms so far this spring. One particularly strong cell containing a tornado was responsible for the death of a child near Rush Springs. But with continuous communication with Oklahoma City's NWS, Mr. Brown feels many lives were spared through adequate warning, particularly in the Chickasha area, where sirens were sounded and people took cover.

Citing the advantage of direct, two-way communication, Brown feels the link with NWS can help both sides involved: Spotter's reports from the field keep the weathermen up to date, and requests for storm progress and plotting can be obtained directly from the official agency which issues storm warnings. This direct communication can save many minutes involved in the warning process.

Mr. Don Rooker, K5SJV, Emergency Coordinator for the Oklahoma County A.R.E.S., believes the system is an excellent means of obtaining and passing information into and out of outlying areas in Oklahoma. This effort follows much groundwork laid between the ARRL's A.R.E.S., and the National Weather Service. Much of the behind-the-scenes work was accomplished by H.O. Townsend, WA5MLT, of Norman, former State Emergency Coordinator. The letter of agreement between ARRL and NWS for Oklahoma can be found in a past issue of C&E.

Mr. Rooker is quick to point out that the system for the outlying areas is in no way competing with the fine work of the Central Oklahoma Severe Storms Warning Net, which is primarily responsible for Metro Oklahoma City and stations within range of its 22/82 repeater. It is felt that the two systems can work in harmony and that a wider area can be served.

The Oklahoma County Amateur Radio Emergency Service is comprised totally of volunteer amateur radio operators and has no local club affiliation. Further information can be obtained by contacting K5SJY.

Amateur operators directly responsible for the NWS local operation during the past storms include: Don Duck, AE5N; Bob White, WB5PWZ; Bill Skipper, KB5BS; and Dick Baker, WB5TMW.

[illegible]

SPECIAL ANNOUNCEMENT (to avoid further confusion)

In any emergency, especially weather-related emergencies, the 146.16/.76 repeater in Oklahoma City will be used to disseminate pertinent information from the National Weather Service. The 146.22/.82 machine will activate the Severe Storm Warning Net, when threatening weather develops or moves within the coverage area of that repeater (approximately 60 mi. radius). The frequency of 146.34/.94 will be used to relay damage reports to the American Red Cross Division Chapter in Oklahoma City and to city, county, and state Civil Defense emergency operations centers, if the need arises. The 146.07/.67 repeater is designated a backup machine for the 22/82 net, and 34/94 is the backup for the weather net in the event of 07/67's failure.

[illegible]

Please send public service related articles, suggestions, or inquiries to the Collector and Emitter mailing address or to Mark Northcutt, WD5DYI, 1509 Barclay, Oklahoma City, OK 73120. Your contributions keep this column going!



# Amateur Radio Emergency Service Corps

NET - 9 pm Mondays 146.34/44 OKC

MEETING - 7 pm Third Mondays Monthly  
323 NW 10 Oklahoma City

## MAY '81 HONOR ROLL

1980 Special Olympics was a wash-out, literally, and the rest of the year was a drought, right? Oh! well, that's Oklahoma for you, as Will Rogers loved to say, so we waited a minute and, sure enough, the weather cleared and we wrapped it up in fine style.

Not so 1981: this year, the Olympics were scheduled 13, 14 and 15 May at the same place, Central State University, Edmond, with the additional challenge of a recreation excursion to the soon-to-be-open-to-the-public White Water park between I-40, Reno, Portland and Meridian for the Special Olympians. The schedule for all of this was published in last month's Collector and Emitter along with a plea for communication volunteers.

Two things: with a temperature of 63° F and a north wind at 30 mph Wednesday evening the Carnival was almost a bust for the adults (the staff and volunteers) including those who were inside but still in an Oklahoma draft-the Olympians wouldn't have been concerned until it snowed which it might as well have as far as the rest of us were shivering, after all this was MAY! Secondly, with a temperature drop from 70 to 61° F and more north wind around 29 Knots between 7 and 8 pm Thursday, it was reasoned that conditions were non-conducive to health for the participants to engage in open-air water sports, so, instead, they'll get to see White Water Park next year and got another Disco Dance in the Broncho Fieldhouse gym this year, courtesy of Dale Wehba Disco Show.

Besides the fun of two-meter portable operation, the following fantastic individuals received the thrill of assisting the Special Olympians in general and in particular: a seizure, stomach cramps, a broken ankle from a fall down concrete steps and numerous abrasions from competition and recreation plus coaches lost from their teams (invariably the team or one of its members knows where it is but its coach/sponsor/bus driver, etc., is the one who's lost):

Dale Diehl	K5WUF	Bill Boland	KA5ESA
Donna Bickel	KA5GEP	Bill Wright	KC5GN
Connie Boland	KA5ERZ	Ken Stepp	N5DBM
Ed Murta	K5LIL	Oscar Staudt	WB5GCX
Don Brown	WD5DGC	Hobe Burgan	WB5MLN

Let it be stated here and now that Dale was in evidence and working these events for 30 of the possible 36 hours, Donna for 28, the others as many as 8 each and the balance of the time filtered on down and spread around.

As you can see, there are some repeats: this project is infectious, almost addictive and one heckuva fun way to take a three-day vacation from the daily rat race rut but the roster is by no means closed. So, if you're interested, holler up for next year, probably the same place around 12, 13 and 14 May, CU there.

Jim N5BEQ

EXTRA CLASS  
AMATEUR RADIO  
WSKE

FIRST CLASS  
RADIOTELEPHONE  
LICENSE

## ELLARD'S EX EL

ELLARD W. FOSTER, OWNER

5905 N.W. 42nd Street, Phone: 405/789-6702  
OKLAHOMA CITY, OKLA. 73122

TELETYPEWRITER  
ASSEMBLIES

USED TEST  
EQUIPMENT

EXCESS  
ELECTRONICS

12-1

SONY SUPERSCOPE

SPRAGUE

Ampex 3M

marantz

SUPERSCOPE

ATLAS SOUND SONY

KLEITE

AKTRON

TUBES 50% OFF  
Free Testing  
Most Electronic  
Engineers and  
Technicians buy  
from us

Kelly's  
DISCOUNT  
ELECTRONICS  
4221 N. MacArthur  
Ph: 707-0000  
Oklahoma City

# GREAT PLAINS A.R.C.

W5HGH Repeater 146.13/73

EDITOR: Carla Tice WBØQGW

Our May meeting was called to order at 7:45 P.M. There were eleven members and seven guests present. Four of our guests have just taken their novice tests. We congratulate them and wish them luck. The minutes and treasurers reports were read and approved.

One of our guests was from Brazil. She came by to check on possible communication with her parents there. The members discussed possible ways of establishing communication. Rod Ford WB5OVT will be in charge of making contact.

The club also passed traffic to Hawaii to establish contact with relatives for a local resident.

Bill Reid WD5DFH passed traffic via 2 meter and mobil phone for a local area assist.

Mr. Ralph Bartow and Mr. Jack Muse of the Red Cross have asked the G.P.A.R.C. to help set up radio communication for the Red Cross. We already provide communication for the Civil Defense. A meeting will be scheduled with Mr. Muse and Mr. Bartow to discuss ways we can help in disasters covering national or state range as well as local. A program on the Red Cross and a picnic are being planned.

Bill Reid WD5DFH has offered a self contained camper to the club as emergency vehicle. It is equipped with a Atlas 180 radio, Icom 260 radio, Hustler HF antenna, 2 meter beam on a 30 foot mast, KLM 160 amplifier, 12 volt power pack and a 3000 watt power plant. The club discussed the offer, then voted and accepted Bill's camper as the clubs official emergency vehicle.

We handled a large amount of traffic during the Red Cross mock disaster. We are proud of the outstanding job our club did.

We also had good club participation during the trade fair held in Woodward. We had a booth set up containing a teletype, Icom 260, Atlas 180, and a Kenwood 7400. Members answered questions and visited with lots of people about amateur radios.

The club will again be providing coverage for the Gage Roadrunner Marathon May 23. The course is over 26 miles long.

Bill Reid WD5DFH was elected net manager for the North West Service Net effective July 1 of this year. The net is called Monday, Wednesday, and Friday at 8:00 P.M. During the month of April we had 114 check ins, 5 pieces of traffic, and 12 sessions.

The club is buying Phelps Dodge cavities for the 146.13/73 repeater. We are waiting for a price now.

A Mr. Coffee has been donated to the club to be used by those manning the radar during sever weather watches. It was donated by people that own scanners. The gift is in appreciation of the coverage we give during sever weather. The gift is appreciated and our thanks are extended.

We had four sever weather alerts. The first was on April 29. It was called at 7:28 P.M. David White WN5LUI, Doyle Houston WA5YQQ, and Doug Maupin WB5EGZ manned the radar. Larry Ellis KØCIO in Coldwater, Kansas was net control. We had nine spotters. Areas covered were Ross Dunnihoo WB5MZZ and Austin Dunnihoo K5JJC at Shattuck, Harry Watts WB 5DGT at Vivi, Oren Feltenburger WD5EDD west of Woodward,

G P

Lee Rogers W5HGH at Buffalo, Ron Tice WBØPGD and Carla Tice WBØQGW south of Mooreland, Bill Reid WD5DFH and Donna Reid WD5DFG north of Mooreland. No sever weather developed. We secured at 9:33 P.M.

Our second alert was May 7 at 7:00 P.M. Radar was manned by Doyle Houston WA5YQQ, Bill Wyatt N5CMW, and Doug Maupin WB5EGZ. Spotters were Lee Rogers W5HGH, Doc Bradberry WB5ECP, Bill Reid WD5DFH, Donna Reid WD5DFG, Ron Tice WBØPGD, Carla Tice WBØQGW, Oren Feltenburger WB5EDD, Gerald Bowman N5CCV, and Larry Ellis KØCIO. Sheriffs from three countys in Kansas were working with us through Larry Ellis KØCIO. Again we had coverage from south central Kansas to south of Mooreland and Woodward including Buffalo, Fort Supply and surrounding areas. Large hail, hard rain, lightening and hard wind were reported

On May 8 the radar was manned at 7:30 P.M. by Doyle Houston WA5YQQ, and Bill Wyatt N5CMW, and Doug Maupin WB5EGZ to watch a developing storm in Kansas. The storm started developing rapidly and moving south and east. Spotters were called out. Those responding were Rod Ford WB5OVT, Larry Ellis KØCIO, Bill Reid WD5DFH, Donna Reid WD5DFG, David White WN5LUI, Oren Feltenburger WB5EDD, Doc Bradberry WB5ECP, Ron Tice WBØPGD, Jim Thomas KA5AAE from Rosston, Gerald Bowman N5CCV, and Rick Ladd WD5BOZ. Winds clocking 100 mph, large hail, and heavy rain were reported. Damage included trailer houses, one tower fell, large trees blew over, limbs broke out, airport damage, airplanes damaged, windows broke, porches and roofs damaged, a semi-truck blew over and power outage. After the storm passed over a street by street patrol of Woodward was conducted.

On May 13 radar was again manned by Rill Wyatt N5CMW and Doug Maupin WB5EGZ. at the request Larry Ellis KØCIO in Coldwater, Kansas. The county sheriff of Comanche County in Kansas asked KØCIO to coordinate with us on severe weather in that area. The storm contained several small tornados. Damage in Comanche County included 10 miles of high line poles down, two homes damaged, numerous out buildings, five irrigation systems totaled or damaged, fences, trees blown over, limbs broke, and farm equipment damaged. In Clark county one trailer house was blown over and two cars damaged. WBØPGD and WD5DFH were called up to help in search and damage report. Thankfully no one was seriously injured.

73s WBØQGW



#### MINUTES OF THE MAY MEETING OF THE ACARC

The meeting was called to order at 8:06PM, by President Bob Pace, WA5CJG. There were 48 members and guests present, including one strange looking harmonic. Who was that really Gene? Following the usual round of self-introductions, President Pace asked for the following reports.

The monthly CORA report was presented by Holly Holcomb, N5ABL. He reported that there will be a dance following the banquet at Ham Holiday this year. The cost of the Banquet will be \$7.00.

Holly also reported that Bill Cass at the Red Cross is retiring, and will be missed by everyone connected with our Red Cross efforts.

A motion was made by Bob Ashby, W5HXL, and seconded by Robby Runyon, AAØØ to suspend further committee reports due to the length of the program for the evening.

Another motion was made by Bob Ashby, W5HXL that all full members with an AAØ prefix be immediately removed from club membership. The motion died for lack of a second. (Sorry Robby, I couldn't resist!)

The program for the evening was presented by Dr. Bergy from the University of Oklahoma, and Bergy Energy Corp. This was an excellent program, which was of extreme interest to all. If you missed this one you blew it.

73, Bob, WB5NSV, Sec.



W5PAA



"Good afternoon, shoppers. This is Alice and Ted Harper with an unadvertised special in aisle 7—peanut butter up another 3 cents a jar!"

### RANDOM WORDS FROM THE PRESIDENT:

I WOULD LIKE TO THANK EVERYONE FOR COMING OUT TO THE A.C.A.R.C. MEETING IN MAY, WE HAD A VERY GOOD TURN OUT, AND THE PROGRAM ON USE OF WIND POWER WAS VERY WELL PRESENTED BY MR. BERGEY. I WOULD LIKE TO THANK WB5RUN, FOR HELPING IN GETTING MR. BERGEY TO COME TO OUR CLUB. IF YOU MISSED THIS PROGRAM YOU WILL BE ABLE TO SEE IT AT HAM HOLIDAY 81 WHILE WE ARE ON THE SUBJECT OF HAM HOLIDAY THE LADIES PROGRAMS ARE ALL SET TO GO, WE HAVE A GOOD COMMITTEE WORKING THIS YEAR AND H.H. 81 IS GOING TO BE ANOTHER GOOD ONE FOR THE LADIES....

REMBER LADIES WE WILL HAVE SOME TABLES SET UP IN THE HOSPITALITY ROOM, IF ANY OF YOU HAVE ANY HOBIES YOU WOULD LIKE TO SHOW OFF BRING THEM OUT FOR A SHOW AND TELL. I AM SURE YOU WILL FIND OTHER LADIES THAT SHARE IN YOUR SAME INTREST.. 73, BOB, WA5CJG

### AN OPEN LETTER TO THE AERONAUTICAL CENTER AMATEUR RADIO CLUB.

The ACARC has ended a long-time requirement for members to concurrently belong to the ARRL. I have no particular quarrel with the action. Rather, I believe it was probably inevitable that the requirement would sooner-or-later be challenged as a condition to continued DOT/FAA recognition. Either way, the close relationship with the League was probably doomed sooner or later.

One aspect of the action should, however, concern us all. What ever your attitude concerning the League, it must be recognized that the organization is active, and effective on behalf of amateur radio. As far as representing our small special interest group (less than half-million hams) the League is superlative.

This sort of special interest representation where it counts (in our case, the FCC, and Congress, and ITU) is the name of the game today. Without effective representation (call it lobbying, if you will) there is little doubt that by now we would be operating with far fewer frequencies, and under much stricter regulatory environments.

Opinions concerning the League abound among hams. Ranging from those who subscribe to the Alice-in-Wonderland view of the New Hampshire mad hatter, to an equally unreal perception of some as the League embodied in absolute perfection. Drop the League into any conversation among hams, and you have instant, assured conversational topic material for a long time. Usually almost every amateur radio devotee has an opinion concerning the League. I see that as a very healthy sign, and hope the high level of interest in League activities continues.

Having heard several yards of conversation (and rationalizing) about the action taken by the club, I feel compelled to offer the following comments.

Whatever the individual motivations involved, this action should not be viewed in any way as an act of censure, or an expression of dissatisfaction on the part of the membership, or officers of this club, toward the American Radio Relay League. As I said up-front; the requirement for concurrent membership in the League as a condition of ACARC membership would probably have fallen to challenge sooner or later anyway simply due to the environment in such matters today.

Lets let it go at that, and don't try to make anything more of the matter for this old, and highly respected Aeronautical Center Amateur Radio Club.

Robert E. Runyon AAØO  
Member, ACARC Board of Directors.



# FOR W I V E S

And  
Others!

LADIES--LADIES--LADIES--LADIES

MAKE YOUR PLANS NOW TO ATTEND HAM HOLIDAY 1981, JULY 24, 25, AND 26. THIS YEAR WE WILL BE THE HOST OF THE ARRL WEST GULF CONVENTION, AND THERE WILL BE MANY PEOPLE FROM OTHER STATES HERE, SO LETS EVERYBODY PUT ON OUR VERY BEST AND MAKE THEM WELCOME TO OKLAHOMA CITY, LETS SHOW THEM WHAT A ORGANIZATION LIKE C.O.R.A. CAN DO FOR AMATEUR RADIO.

THE PROGRAMS FOR THE LADIES WILL START ON FRIDAY NIGHT AT 7:30 PM, WITH A PROGRAM ON DRY FLOWER ARRANGEMENTS, THIS PROGRAM WILL BE PRESENTED BY HOBBY LOBBY. THE NEXT PROGRAM WILL BE AT 8:30 PM, AND WILL BE ABOUT ALL THOSE EMG. SITUATIONS AROUND YOUR HOME AND WHAT YOU CAN DO ABOUT THEM, THIS PROGRAM WILL BE PRESENTED BY DR. DANNY CASSIDY THIS SHOULD BE A VERY GOOD PROGRAM, AND YOU CAN BRING THE OLD MAN ALONG, HE MIGHT LEARN SOMETHING TOO... YOUR PROGRAMS ON SATURDAY WILL BEGIN AT 9:30 AM, WITH A CLASS ON SKIN CARE, IN OTHER WORDS HOW TO MAKE YOUR SELF MORE BEAUTIFUL, THIS PROGRAM WILL BE PRESENTED BY MARY AND BOB WANLESS, THE PRODUCT THEY WILL BE DEMONSTRATING IS MADE BY THE ALOEVERA CO., THEY WILL HAVE SOME OF THEIR PRODUCT WITH THEM FOR SALE... THE NEXT PROGRAM WILL BE AT 11:00 AM, AND WILL BE ONE OF MY VERY FAVORITES, HOW TO COOK WITH YOUR MICROWAVE OVEN, THIS PROGRAM WILL BE PRESENTED BY SHINGLETONS APPLIANCE HERE IN OKC 12:00 NOON WILL FIND SOME OF US EATING .. THE OTHERS WILL GO OUT FOR LUNCH IN THE UNDER GROUND CITY... AT 1:30 PM WE WILL PLAY B.I.N.G.O. WITH A LOT OF GOOD PRIZES, AND A LOT OF FUN WHILE WE ARE DONING IT... AT 3:30 PM WE WILL HAVE A PROGRAM ON SEWING THIS PROGRAM WILL BE PRESENTED BY THE LOCAL SINGER SEWING CO. AT 4:30 PM WE WILL BREAK FOR THE EVENING ACTIVITIES WHICH WILL ENCLUDE A BANQUET AT 7:00 PM FOLLOWED BY A DANCE FOR ALL THOSE WHO ENJOY SHAKING IT A LITTLE. WELL YOU KNOW WHAT I MEAN.... THE NEXT PROGRAM WILL BE ON SUNDAY MORING AT 10:00 AM (FOR THOSE WHO STAY UP TO LATE) WHEN WE WILL PLAY BINGO AGAIN... THE PRIZE DRAWING'S WILL TAKE PLACE AT 1:00 PM ON SUNDAY AFTERNOON. THE GRAND PRIZE FOR THE LADIES WILL BE A MICROWAVE OVEN, REMBER.. LADIES THE MORE PROGRAMS YOU ATTEND THE MORE CHANCES YOU GET ON THE MICROWAVE..

73, BOB, WA5CJG

N. V. Watts  
AUTO & HOME INSURANCE



OKLAHOMA DIVISION

AMERICAN AUTOMOBILE ASSOCIATION  
3525 N. W. 23rd ST., OKLAHOMA CITY, OK 73107  
Ext. 215 405 946-5411  
405 946-5418 AFTER 5:00 P.M.

12-1

Located at N.W. 39th and MacArthur

*Glen's* **ElectroMart**  
"Your Complete Electronics Supermarket"

Glen Shadoan  
(405) 485-6653

3929 N. MacArthur  
Oklahoma City, OK 73122

3-2

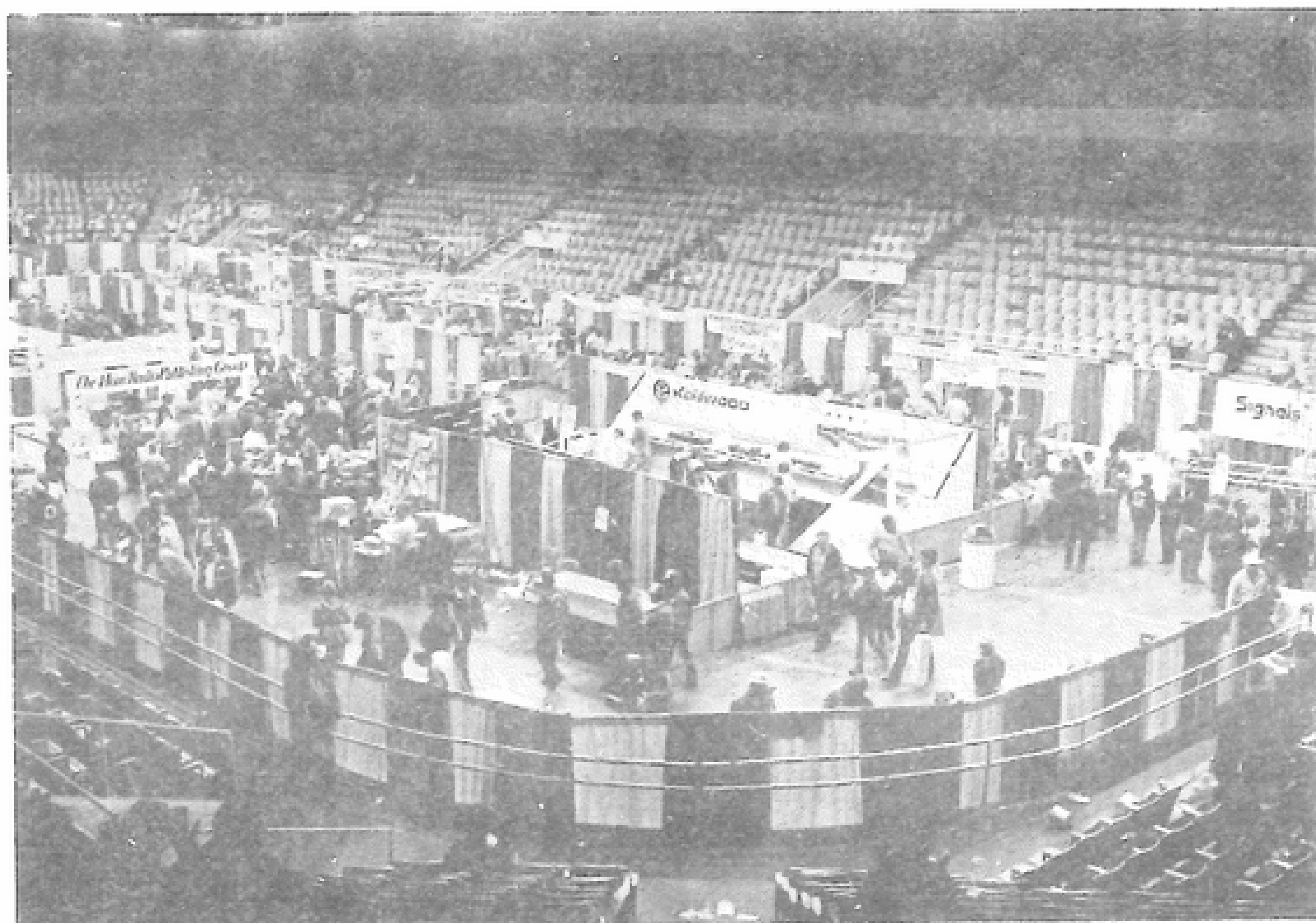
# DISCOVER Dayton

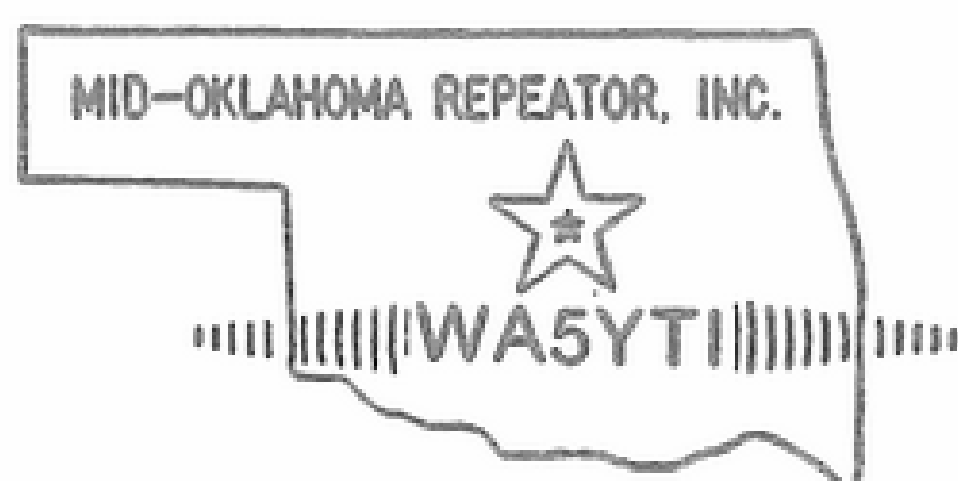


A DAYTON PICTURE TOUR (Top, left to right) Jim WB5YW0 at the Dayton Airport after arriving on his 2:00 a.m. "red eye" flight with his welcoming committee WB5ISN and MA5FLT (Little Orphan Annie's three lost brothers). .A chick with Nick and Dennis shot at the Friday Night FM Bash before Nick Dixon WT5APE had to leave to return to the Skunk Hollow Hamfest in Oklahoma . . .K5JB, WB5ISN and MA5FLT loading the airplane with indescribable goodies for the return flight to Oklahoma . . (center) A WB5YW0 custom wide angle shot of the gigantic HARA Arena and Hamvention Site (Bottom, left to right) The Three guys who have new S-4's accounting for almost 1/4 of the S-4's sold at Dayton . . An overall shot inside the HARA arena showing only part of the commercial exhibitors.

(Photo Credits WB5YW0, WT5APE and N5MS)







Hi Everyone,

I haven't got too much to tell in this issue, because MORI had their dinner/meeting on the 8th of the month at the Boulevard cafeteria, and the usual order of business was rather brief. Also, I was trying to make my preparation(s) for the July issue of C&E, I encourage everyone to read this one, because it is going to be a very good one. However, I did make a few observations at the meeting and they are as follows:

Don, K55JV made a request and was granted the use for the 34/94 repeater for the ARES net that is held on Monday evenings. Also, I got to see friends (and club members) that I haven't seen in quite a while. Sure did appreciate them coming, my apologies to Jerry, K5MCJ for not having any popcorn available during our entertainment. Glad to see you too, Myrtie! Another couple was Carl, W5JJ and his wife, Mildred. We also had two new members join tonight, and so our membership is continuing to grow. I am sorry that I don't have their calls before me right now, but I am typing this at work, and my boss only has to pay me for another hour and half of work. (HI!) We are very glad to have you -- these gentlemen reside at Tinker Air Force Base.

Our program was presented to us by Frank, WA5PDH and his wife, Winnie who returned from a trip to Alcapuco from a BIG fishing trip last December. They showed a BIG collection of color slides, which were really beautiful. The expressions on their faces told part of the story too.

There was an announcement of Syrena's twins, which I guess you all know by now, her proud sister told us the news on the Nite Owl Net and whenever she got the chance, but Congradulations and hope that everything is going okay. Speaking babies, Jerry and Lesta Love had their little one with them, and she even won a prize from the drawings, a solar cigarette lighter. She is really cute...

I received some good news as I was eavesdropping on 2 meters. The conversations was with Fred - K5HFN and someone else, but Fred said that he was able to take Vera home from the hospital, and she is doing rather well, we really are glad to hear that kind of thing.

Hope you all remember that this is the month for Field Day, so look for the different articles (other than mine) for the dates and other information concerning locations, etc. I hope to see some of you there --- I have been going for the past three years, in fact the very first year I went, I met Robbie - AA0Ø who was at one of the sites (all night long) and I was really fascinated the way he used C W, in fact he was probably the first who gave me my incentive to become a Amateur radio operator and other benefits. It really is an exciting event for the year, do don't miss it, if you can help it.

Well, my lunch hour is about over here at work, and I need to get back to work, (HI!) Hope everyone has a good month of June, and hope to see a lot of you soon.

73

Susie KA5FED

WB5NX0 Omni still for SALE-- Complete station as advertised in last month's C&E, now reduced to \$700.00, or make me an offer.  
Robby, AAØ0, 373-1818

# Mid-Oklahoma Repeater Inc.

A NON PROFIT ORGANIZATION  
OF RADIO AMATEURS DEDICATED TO PUBLIC SERVICE

MORI MEETING SCHEDULED. Our regular monthly meeting will be held June 2 Tuesday, at the Okla City Operating Center at 4600 N Eastern in Okla. City.

MORI meets on the first Tuesday of each month. We plan a technical discussion on a timely Amateur Radio topic. We also plan to hear about a plan sponsored by the Oklahoma Blood Institute. They propose to furnish blood to our members if needed for a operation or while one of us is in the hospital(God forbid). They will tell us how this can be arranged.

Have you thought about this? When you are pounding out 200 watts ERP on your magnificent systems. Our poor repeater is transmitting at least that from your buddy operating a handie also in OKC. Its surely a tremendous waste of Energy as well as not within the Amateur groundrules!

Heard by K5VVZ in a local Ham store ....three obviously Spanish fellows entered and (the one who could speak English) said he needed a CB that could get him in contact with Spain. Wonder how many other folk might have a story about how many of the public confuse our fine rigs with CB? Send us one of your jewels.....

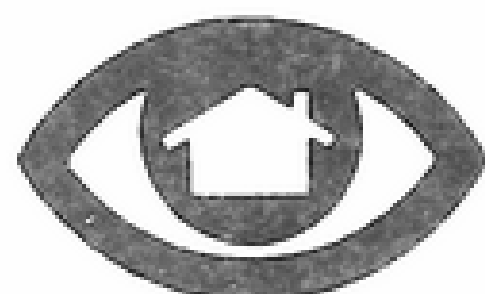
Stayed up late one night and read some of the back issues of the MORI News letter and discovered this.... The March 1974 issue (I think written by Mike Salem N5MS) talked about the magnificent new organization just formed ...called The Central Oklahoma Radio Amateurs...It said also that August 3rd and 4th they would hold a HamFest at the Holidome in Midwest City...FANTASTIC BEGINNINGS!!!

FRED KA5CXW

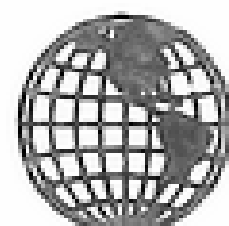
FOR SALE:SB-102 with Power Supply, Speaker, Mike, and Connecting cable. \$175.00. Call John, K5QDR, 672-4089.



STEVE HUTCHERSON  
Quail Office  
2919 N.W. 122nd St.  
(405) 755-0660  
Residence 721-8064  
WB5CTS



TRUMAN MILLER'S  
**abide.**  
**REALTORS**  
CORPORATE HEADQUARTERS:  
7600 North May Avenue Oklahoma City, OK 73120



**DeGe And Associates**  
*(Division of Buttrick of Mich.)*

YOU CARRY A SPARE TIRE - JUST IN CASE"  
WHY NOT A SECOND INCOME - ???????

Gene A. Nailon (2-1) 405-341-8289  
K5DLE



AVIATION CO.  
HANGAR 3B, WILL ROGERS WORLD AIRPORT  
P O BOX 59906, OKLAHOMA CITY, OKLA. 73159

GENE NAILON - K5DLE  
Avionics Manager

OFFICE 405-681-2331  
HOME 405-341-8289

WANTS: AVIONICS TECHNICIANS FOR  
REPAIR AND INSTALLATION OF AVI-  
ONICS EQUIPMENT (NAV/COM, PULSE  
FLIGHT CONTROL) IN IN GENERAL  
AVIATION AIRCRAFT.

EXPERIENCE IN GENERAL AVIATION  
AVIONICS PREFERRED - - BUT NOT  
REQUIRED

# The South Canadian Amateur Radio Society

## HOW TO TAKE A RIDE ON THE RAILROAD...

When Jack, WB5TZZ, pointed out that he had been SCARS reporter for C & E for a long time and asked the club to find a new reporter I saw my chance. After all, the club secretary's job was not my idea. I don't even know who was on the nominating committee that tapped me for the job. Anyway, when the reporter's job opened up, I saw my chance to pass the job of secretary on to some other really deserving club member. I let it be known that I could be persuaded to assume the duties of club reporter if only someone would take over the awesome job of secretary.

With the opening of the May meeting of SCARS, I could feel my liberation close at hand...

....so, this is Sam, WA5RPP, the new SCARS reporter and still club secretary. I won't say I've been railroaded, but it seems strange that to open the meeting Wade, KB5EK, said ALL ABOARD

## REPORT ON THE MAY MEETING...

The regular monthly meeting of SCARS was held on May 9th at the Red Cross building in Norman. The club voted to mail a letter to all amateurs in the Norman area to tell them about our club, our Field Day plans, and the Cleveland county emergency net.

The club also:

Heard a report on CORA activities and the plans for the upcoming Ham Holiday.

Discussed plans for Field Day Operation.

Listened to a progress report on SCARS plans to apply for ARRL affiliation.

## SUMMERTIME REPEATER ACTIVITY...

The local repeaters have been rather quiet for the last couple of weeks. Despite the phone tree call-up for the regular net meeting and the net call-up for the weather on May 17, repeater activity seems to be down somewhat.

The consensus among those amateurs that I have spoken with is that with the very poor conditions on the HF bands and the nice weather outdoors, most amateurs are spending much less time in the shack. So, whenever you get a chance, give a call on the repeater-- you never know when you might meet a new friend.

WORLD WIDE ELECTRONICS  
J. C. BIDDY

(405) 525-9897  
1715 N.W. 16TH

OKLAHOMA CITY, OKLA.  
73106

### CODE TAPES

Computer generated cassette tape  
You specify speed 4-25 WPM \$3.95  
2 for \$7.50 - 5 for \$15.50

K-Tron Sales                      Send check or  
Box 912                              Money Order  
Shawnee OK 74801              Fast Delivery

781





\*\*\*\*\* OKDX \*\*\*\*\*

The regular meeting of OKDX was held at the Colony Kitchen on May 11. This is the regular meeting night, ie 2nd Monday. Some may have noticed that the time has been placed at 6:30 local instead of 6:00. The meeting was attended by the following DXers:

RON.....KE5M	HENRY.....N5IH
"MAC".....K2GKK	COY.....N5OK
ART.....W1GOM	GUY.....K5GL
MAX.....KA5IDQ	BRUCE.....KC5CR
CHARLES.....WD5IHF	"DOC".....WA5CZN
CHUCK.....N5SW	DOUG.....N7UT
C.Y.....WB5TKG	NIZAM.....WD5ILE

As you can see we had a good turn out of quality. I do hope everyone noticed the name and call of a special guest, N7UT. Doug is here from Salt Lake City for a little 'schooling at FAA, and was able to join us for the very interesting meeting.

There were a number of topics discussed at the meeting, but heading the list has to be the topic of antenna rules. Primarily the ordinance in Oklahoma City limiting antenna height to 50 feet. This height includes any part of the antenna. As I hope by now, everyone knows that this ordinance is being challanged in Federal court. It behoves each one of us to get out and ask for help fighting this dictatorial type of city ordinance!!!!!! If you have not already given your support in the way of money, please give it very serious thought, for without antennas there is no need to worry about working DX.

Mr. George Adkins (AD1S) agreed to prepare and stuff requests for money in with QSL cards. As I'm sure you know, George is a very busy QSL manager. As of this writing I understand we have already received one reply back, from out of state, containing money. The point here is, that ALL concerned amatuers HAVE to pull together on: this fight and EVERYONE must GIVE. George also agreed to let us use his post office box as a mailing address, so send you check, made out to OKLAHOMA CITY ANTENNA DEFENSE FUND to his P.O. box, as listed in the call book, or hand it to him directly.

Also discussed was field day. It looks like we are in a position to not only enter, but to WIN. Jay, (K5JL), has volenteered his "ranch" for us to use along with antennas that are on the ground. This could be our chance for us to take some of the cake away from the Dallas boys. Be sure and give Tom, (N5GE), a call and let him know when you could help. WIN FIELD DAY !!!!!

After we talked on these other things, the meeting was turned over to Coy,(N5OK), and he proceeded to give one of the best programs on DX I have ever heard. If you missed this one it was surely your loss. Many, if not all, of the important aspects of working DX were covered. There is no way to report on this superb program and do it justice, so you will just have to make the next one he conducts. Which, by the way, he has agreed to do for us.



The Ham Holiday folks have ask us to conduct one of the sessions for them, and it was agreed to do so. The title of the program will be "DX FORUM" and will be headed by, you guessed it, Mr. Coy Day, (N5OK). I personally feel that anyone that attends this meeting will come away knowing they have really spent their time wisely.

#### ON THE BANDS

- CEØX -- There is a very good chance that San Felix will be on the air in Sept. SVØBV will go to 3V8 and then will proceed on to San Felix. Almost Sure.
- ZD9 -- The group planning this one are still saying July-- Keep your fingers crossed
- A51PN-- Purdon has started showing up again on the bands. Look around 1300 & 0100 UTC on 28.510 or 28.575; also check around 0300 UTC on 21.270
- ZS2MI - Marion Is has been heard in the last couple of weeks, word is he is off the island for a short time and will return soon. His old habits would lead me to look from 14.235 to 14.200.
- 9U5 --- The list is still being taken on Saturday mornings at 1500 UTC by N5RQ and WA2JUN. Word is that the league now says this one is OK.
- HKØ -- Malpelo is due in 1983 -- that is not far off!!!
- T3P -- There should be a good chance for all of to get both Brit. and American Phoenix at the same time. There is a W6 scheduled to go to the island, and has the license, soon. The dividing line cuts the island and he will be making two contacts, one from each country. Two for one.
- VK-2L - The rumor has it that a couple of VK'S are going to both Kermadec, and Mellish Reef. These are the same VK'S that worked Kingman. I question their ability to get on Kermadec, but I sure hope they make both. Early 82 or late 81 is the target date.
- 1S -- Spratly, is supposed to be up on May 26 (this year) for ten days. Just heard about this one by a JA. Keep Looking!
- K4YT -- On the move again. He is going on another globe hoping trip and will help a lot of us out. The schedule, not in order, is he will leave from PY1, and proceed to : ZS6, A22, 7P8, 3D6, CM9, 5R8, 3B8, 7Q7, 5H3, 9J3, 9X5, 9U5, 5Z4, 5X5, ET3, 601, and SU. Lots of goodies here.
- W8HMI - Word is he is in Liberia now and should be leaving anytime going to 5Z4, 9J2, 5H3, 60, and ST. He is taking two transceivers, so should be heard.

#### MEETING

The next meeting of OKDX will be held on June 8<sup>th</sup> at the Colony Kitchen. That is on MacArthur just south of N.W. 63rd on the west side of the street. in the mean time: GIVE GIVE GIVE to the antenna fund

#### AUTOPATCH

The May meeting of OKCPA was held May 19<sup>th</sup> at the fire training center. The Pres. was not present and so Henry conducted the meeting.(BOO HISS)

Frank (N5FM) reported the trailer was coming along very well, but we still need a few items donated to us. He said that CD donated money to purchase steel and related items for construction. Merrill (WB5PTQ) has the trailer welded up and is ready to start the box. However, before a lot more can be done the donations need to come in. Frank said we still need two propane bottles. The small ones like are used on travel trailers, and also a boat trailer winch, which will be used to raise and lower the 30 foot tower that was donated by Mike (WA5PDH). We also need two quartz lamps, street light type, for lighting. Surely some one out there has a couple of these lights laying around. Please contact Frank if you can help.

Buddy (KA5AQY) explained why the 82 and 21 machines have not been just right the last couple of days. Seems as if Buddy has been toying around with a few ideas that will, in the long run, will make the system work much better. He even promised



that the "hum" that is present when the sub-audible tone is on will soon go away. I guess the best thing for us to do at this point is to let him alone, since he seems to know what he is doing. It will all be worth while when he's finished.

There was also a lot of discussion on the antenna case with Oklahoma City. The entire thing was discussed at length, and not one person was unsympathetic to the cause. Every person there understands the need for all of us to unite on this issue and get this absurd ordinance stricken from the books. Each and every one of us MUST dig into our pockets and come up with financial help on this issue. This is a fight that effects all amateurs, even if you do not live in the city limits of Oklahoma City. We all know that so goes the larger town so goes all the smaller towns around. It was noted that there are several collection points you can leave your check or cash. One place is to mail it to the P.O. box of George Adkins (AD1S), another is to leave it at Kryder electronics, another is to give or mail to Henry, (N5IH). Make your check out to: OKLAHOMA CITY ANTENNA DEFENSE FUND.

Don, (K5SJV) also gave us a talk on helping the community. He brought up some things that a lot of us may not have thought about. What do you do if you survive a storm and there are lots of injured? If you have been spotting for the weather net, and are not mobile, you have done about all you can do for the net. Now go over to the 94 machine and help there. You are still needed, and can do the most good helping to get things going for the people there that need help. The point is just because the storm may be past you, still continue to help by any means you can.

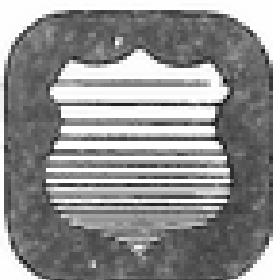
Please do dig into your pocket and come up with what ever you can for the antenna fund, and remember that we must stick together.

Here are a few emergency phone numbers you can keep with you.

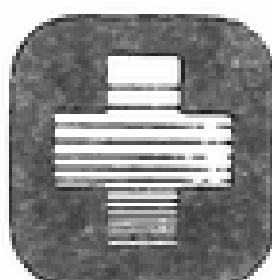
**Emergency  
numbers  
City of Oklahoma City  
and Surrounding Area**



**Fire 235-1313**



**Police 231-2121**



**Ambulance  
232-1234**

Localities	Fire	Localities	Police	Localities	Ambulance
Arcadia	396-2475	Arcadia	236-1717	Arcadia	232-1234
	396-2510	Bethany	789-2323	Bethany	232-1234
Bethany	789-1411	Del City	677-2443	Del City	232-1234
Del City	677-3344	Edmond	341-3434	Edmond	232-1234
Edmond	341-1313	Forest Park	(sheriff) 232-0606	Forest Park	232-1234
Forest Park	424-1313	Midwest City	732-2266	Midwest City	733-1414
Midwest City	732-4548	Moore	799-7701	Moore	232-1234
Moore	794-5518	Mustang	376-2488	Mustang	232-1234
Mustang	376-2488	Nichols Hills	843-5672	Nichols Hills	232-1234
Nichols Hills	843-4182	Nicoma Park	(sheriff) 236-4111	Nicoma Park	232-1234
Nicoma Park	424-4307	Norman	321-1444	Norman	380-1232
Norman	321-3131	Piedmont	373-1334	Piedmont	373-1334
Piedmont	373-1331	Spencer	771-3798 or	Spencer	232-1234
Spencer	771-3853		(sheriff) 236-1717	Tuttle	381-3553
Tuttle	381-2311	Tuttle	381-2067	University Of Oklahoma	325-1717
University Of Oklahoma	321-3131	University Of Oklahoma	325-1717	Valley Brook	232-1234
Valley Brook	235-1313	Valley Brook	(day) 677-5213	Village The	232-1234
Village The	751-2121		(night) 236-1717	Warr Acres	232-1234
Warr Acres	789-3133	Village The	751-9564	Yukon	354-2551
Yukon	354-6611	Warr Acres	789-3329		
		Yukon	354-2553		



## Club NEWS

W5LOV  
The Elmer Gooder Memorial  
Station

### MINUTES OF MAY MEETING

MEETING WAS CALLED TO ORDER AT 8:07 PM BY PRESIDENT RALPH, WD5IRB, WITH 12 MEMBERS AND GUESTS PRESENT. MINUTES AND TREASURER'S REPORTS WERE ACCEPTED.

RALPH ADVISED THE GROUP OF RETIREMENT OF BILL CASS AS MANAGER, WESTERN OKLAHOMA - TEXAS PANHANDLE DIVISION OF THE AMERICAN RED CROSS ON JUNE 10. A MOTION WAS PASSED THAT THE CLUB CONTRIBUTE \$10.00 TOWARD A PLAQUE EXPRESSING APPRECIATION FOR HIS SERVICE TO THE COMMUNITY AND FRIENDLINESS TOWARD AMATEUR RADIO.

STEVE, W5VCJ, SUGGESTED THE CLUB START PLANNING FOR THE CLUB'S 25 TH ANNIVERSARY WHICH WILL OCCUR IN JULY 1982. A MOTION WAS PASSED THAT THE CLUB PREPARE TO HAVE A SILVER ANNIVERSARY REUNION AND THAT THE PRESIDENT APPOINT A CHAIRMAN. RALPH APPOINTED STEVE, W5VCJ, WHO, IN TURN, READ A LIST OF SUGGESTED COMMITTEE MEMBERS. A PLANNING COMMITTEE MEETING WILL BE HELD SUNDAY, JUNE 14 AT 2:30 PM AT THE RED CROSS BUILDING.

CLEARANCE HAS BEEN OBTAINED FROM RED CROSS TO KEEP THE RADIO ROOM OPEN AROUND THE CLOCK DURING FIELD DAY WEEKEND, THE LAST WEEKEND IN JUNE.

MUCH DISCUSSION ON THE OKLAHOMA CITY ANTENNA ORDINANCE WAS LEAD BY JACK, WB5ZKZ, AND THE GROUP WAS ADVISED OF THE FORMATION OF AN OKLAHOMA CITY ANTENNA DEFENSE FUND. ANY NUMBER OF PEOPLE ARE ABLE TO ACCEPT DONATIONS AND CHANNEL THEM TO THE FUNDS. C. Y., WB5TKG, AND JACK, WB5ZKZ, ARE TWO WHO WILL HANDLE THEM. MEETING WAS AJOURNED AT APPROXIMATELY 9:00 PM. JOE, K5JB SECRETARY

### VOX IN A BOX

DID YOU EVER THINK IT WOULD BE NEAT TO HAVE A VOX, OR VOICE OPERATED SWITCH, TO CONNECT BETWEEN A HEADSET MOUNTED MICROPHONE AND A RIG TO PERMIT HANDS FREE OPERATION; SPECIALLY IF IT WAS SELF CONTAINED? WELL, I DID, AND HERE IT IS. THE ULTIMATE GOAL WAS TO HAVE IT PACKAGED IN A SMALL BOX WITH SELF CONTAINED POWER SUPPLY THAT COULD BE CLIPPED ON THE BELT. IT COULD BE THEN BE PLUGGED INTO A TALKIE AND HANDS FREE OPERATION, AT LEAST FOR SHORT RANGE OPERATION, WOULD BE POSSIBLE ON 2M FM.

UNFORTUNATELY, THE ULTIMATE GOAL HAS NOT BEEN MET YET BECAUSE I AM STILL LOOKING FOR A CUTE LITTLE BOX TO PUT IT IN. THE CIRCUIT DESIGN IS COMPLETE ENOUGH TO TELL YOU, 'CAUSE I COULDN'T WAIT. THE FIGURE ON THE NEXT PAGE TELLS THE WHOLE STORY.

THREE SECTIONS OF THE LM 3900 ARE USED TO CONSTRUCT THE VOX. EARLIER ATTEMPTS TO DO IT WITH A MINI-DIP PACKAGE CONTAINING TWO OP-AMPS FAILED BECAUSE THERE WAS INSUFFICIENT GAIN AVAILABLE IN ONE OP-AMP TO GET A WORKABLE SWITCHING VOLTAGE WITH THE MICROPHONE USED. SECTIONS A & B, SHOWN IN FIGURE 1 ARE CASCADED AMPLIFIERS WITH A TOTAL GAIN OF OVER 400. THE VOLTAGE FROM STAGE A IS SUFFICIENT TO DRIVE THE MICROPHONE CIRCUIT ON NEARLY ANY TRANSMITTER. THE 10 K POT ALLOWS FOR LEVEL SETTING. THE OUTPUT OF SECTION B IS OVER 2 VOLTS RMS WHEN THE MICROPHONE IS WHISTLED UP. IF OUTPUT OF STAGE A IS INSUFFICIENT TO DRIVE THE TRANSMITTER, CONNECT THE 10 K POT AND .33UF CAPACITOR TO PIN 5 OF THE OP-AMP.

THE OUTPUT OF SECTION B IS RECTIFIED BY CR1, A GERMANIUM DIODE, AND C4 IS SUFFICIENTLY CHARGED, DURING THE FIRST FEW VOICE SOUNDS, TO



USED IN THE RIG. IN MOST CASES, THE CONNECTION IS DIRECT, AS SHOWN IN FIGURE 1. RFC 2 IS CONNECTED TO MICROPHONE HOT, RFC 3 IS CONNECTED TO THE PTT LINE AND THE GROUNDS ARE CONNECTED. THE ICOM IC-2A HAS PTT INCORPORATED IN THE MIKE AUDIO CIRCUIT SO THESE FUNCTIONS HAD TO BE SEPARATED AS SHOWN IN FIGURE 2. TRANSISTOR Q2 AND POT R4 FROM FIGURE 1 ARE REPRODUCED IN FIGURE 2 TO SHOW ALTERATIONS THAT ALLOW CONNECTION TO THE IC-2A. THE 39 K RESISTOR PERMITS SUFFICIENT CURRENT TO FLOW FROM THE IC-2A TO KEY THE RIG. THE .1 UF CAPACITOR COUPLES THE AUDIO FROM THE AMPLIFIER TO THE MIKE AUDIO CIRCUIT.

IN HASTE TO START TYPING, I FORGOT TO MEASURE THE CURRENT FLOW WHEN POWERED BY A 9 VOLT BATTERY BUT ON 10 VOLTS, IT DRAWS 5 MA IN STANDBY, RISING TO 6 MA WHEN TRIPPED, A BIT OF A CURRENT HOG, I WOULD SAY, BUT I GUESS IT WILL DO. NOW TO GO FIND THAT BOX. JOE, K5JB

THANKS EVERYBODY...

WHO DONATED BLOOD FOR VERA WRIGHT. FRED, K5HFN, CALLED TO SAY THAT, AND ALSO TO REPORT THAT SHE IS HOME AND FEELING PRETTY GOOD. GOOD LUCK VERA FROM ALL OF US.

#### BOOK REVIEW - ENGINEERS NOTEBOOK

FOUND A PRETTY USEFUL BOOK LAST TIME I WAS POKING AROUND IN A RADIO SHACK STORE. THE ENGINEERS NOTEBOOK, WHICH SELLS FOR \$2.49, PLUS TAX, IS PREPARED IN A STYLE I LIKE BECAUSE IT HAS A FEW BASICS AND LOTS, LOTS, AND LOTS OF EXAMPLES. FOR THE BEGINNER OR FOR THE EXPERIENCED, THE BOOK SHOULD BE USEFUL IN DEVELOPING A KNOWLEDGE OF HOW MANY INTEGRATED CIRCUITS ARE USED.

THE BOOK IS INTENDED TO COVER ALL THE INTEGRATED CIRCUITS AVAILABLE AT RADIO SHACK. SINCE R-S STORES ARE ALMOST EVERYWHERE, THE COMPULSIVE RADIO EXPERIMENTER MIGHT AS WELL DESIGN AROUND THOSE AVAILABLE PARTS. THERE ARE A FEW SPECIAL PURPOSE CIRCUITS WHICH MAY REQUIRE GOING TO OTHER SOURCES BUT VAST MAJORITY OF PROJECTS CAN BE COVERED WITH PARTS FROM A WELL STOCKED R-S STORE. BY THE WAY, I DON'T GET A KICK BACK FROM R-S, IN CASE YOU'RE WONDERING.

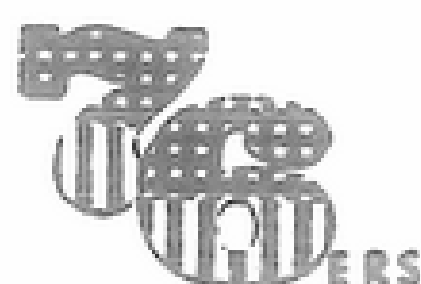
THE BOOK STARTS WITH AN INTRODUCTION TO BASICS AND RUNS THROUGH ABOUT ALL ONE NEEDS TO KNOW ABOUT RESISTORS AND CAPACITORS, IN CASE A LITTLE REINFORCEMENT IS NEEDED. ANY RADIO AMATEUR AT ONE TIME KNEW ENOUGH OF THIS STUFF TO PASS A TEST ON IT, BUT WE KNOW HOW THAT GOES. NOTHING BUILDS UNDERSTANDING OF ELECTRONICS LIKE HANDS-ON EXPERIENCE AND FOR A FEW BUCKS AND A LITTLE TIME ON THE KITCHEN TABLE WORKING OUT OF A SHOEBOX OF PARTS, MOST OF US CAN BECOME QUITE KNOWLEDGEABLE OF THE BUILDING BLOCKS THAT MAKE OUR SOPHISTICATED GEAR WORK.

THE COLLECTION OF CIRCUITS IN THE NOTEBOOK INCLUDES DIGITAL AND LINEAR INTEGRATED CIRCUITS. THE DIGITAL CIRCUITS ARE DIVIDED INTO FAMILIES OF TTL AND CMOS. THE LINEAR CIRCUITS INCLUDE OP-AMPS, TIMERS, SYNTHESIZERS, REGULATORS AND SOME SPECIAL PURPOSE DEVICES SUCH AS DOT/BAR DISPLAY DRIVERS, LIKE WAS FEATURED IN A BATTERY TESTER SOME TIME BACK IN THE C&E. THE AUTHOR HAS A THING FOR INFRA-RED AND THERE ARE SOME CIRCUITS ON INFRA RED TRANSMITTERS AND RECEIVERS.

I HAVE AVAILABLE TO ME AT THE OFFICE, DATA ON MOST INTEGRATED CIRCUIT DEVICES KNOWN TO MAN, BUT THAT IS AT THE OFFICE. AT HOME, I CAN DIG OUT DATA ON MOST TTL, SOME CMOS, AND A FEW LINEAR IC'S. THIS BOOK, IN THE FEW DAYS I HAVE HAD IT, HAS BEEN USEFUL AS A SINGLE SOURCE OF INFORMATION FOR QUICK COMPARISON BETWEEN DEVICES.

A FEW DETAILS ARE NEGLECTED, FOR EXAMPLE, LM-3900 IS A CURRENT OPERATED DEVICE WITH THE INPUTS NEARLY AT GROUND POTENTIAL AND THE LM 324 IS A VOLTAGE OPERATED DEVICE WITH THE INPUTS FLOATING SOMEWHERE BETWEEN GROUND AND SUPPLY VOLTAGE. A CAREFUL LOOK AT THE EXAMPLES WILL VERIFY THIS THOUGH IT MIGHT NOT HIT THE BEGINNER RIGHT BETWEEN THE EYES. WHAT THE HECK, SOMETHING WOULD HAVE TO BE LEFT OUT OR THE BOOK WOULD HAVE BEEN THICK AS THE PHONE BOOK. JOE, K5JB





## BICENTENNIAL AMATEUR RADIO CLUB

*"To Promote Radio Communications"*

Sponsored by Oklahoma Air National Guard  
ARRL affiliated



### MINUTES

The May meeting was called to order at 7:03 pm by Prez Bill KB5BS at the Oklahoma Air National Guard Base in South Oklahoma City on the 12th with 43 members and guests present representing the 110 members.

The minutes of the April meeting were approved as published in the May issue of the Collector and Emitter.

The report of the treasury by the Treasurer Joe WD5BMP was accepted as presented.

Once again the possessor of the club's gin pole, whoever you are, is requested to so advise the club somehow and return same for future use, especially as it's needed now. Also, whoever has the gin pole that belongs to Dick WB5TMW is asked to return it.

The Club is still in need of volunteers to assist in the re-building process of the repeater and its controls. Anyone interested should contact Don Duck AE5N or Dick Baker WB5TMW.

The sign-up sheet for Field Day was again circulated for volunteers. Surprisingly there is blank space on that form. Anyone interested is requested to contact Dick WB5TMW.

CORA is continuing to firm plans for Ham Holiday '81 such as the banquet Saturday night instead of Sunday noon, a dance Saturday night following the banquet, programs, flea market and dealers' displays all day and much more. Pre-registration deadline is 17 July, the Friday before Ham Holiday weekend, the 24th, 25th and 26th. In case you have not heard the location is the Myriad here in Oklahoma City and the 76ers will operate the registration desk beginning Friday afternoon and continuing for the duration. If you have not signed up for your preferred time, contact either John Galway KH6JTE, Jim Lawson WA5TDW or Paul Asplin WA5HTL.

The motion and second to assess the club Treasury for a device of appreciation for Mr. Bill Cass, retiring Director of the local American Red Cross Chapter and friend to the Amateur Radio Operator were withdrawn in favor of spontaneous donations which yielded plenty.

Refreshment break was taken between 7:55 and 8:17.

This month's program was "To the Top with Honor" presented by Coy Day N5OK. The subject was DX and how to's. Some interesting points Coy made were that just about any station can succeed in DXing, QRP, CW or phone, patience, all bands, any heading, with persistence, radio rules, the golden rule and integrity. The negatives that chip away at your integrity include Mickey Mouse phonetics, phony traffic, altering QSLs even slightly, "owning" a frequency or policing one, not listening before transmitting, and working the same station again and again. More than just a list of dos and don'ts it was a presentation of, in Coy's own words "20 years of mistakes" from which he's learned how to succeed, such as don't make enemies, remember "it's a hobby," find out where to listen, learn about the dx country you're after, watch political situations, know your call in common foreign languages and keep accurate records.

The meeting was adjourned by 9:15 pm.

Next meeting same time same place 9 June,

CU there.

Jim N5BEQ  
Secretary

### SPECIAL ANNOUNCEMENT

The Bicentennial Amateur Radio Club does NOT mail delinquency notices to its members at any time. If you as a Club member need to know when your membership expires, see the address label on any C&E that you have received thru the Club. To avoid expiration, look for the last four digits following club number 07 which mean the year and month thru which you are paid and after which you will be dropped from the roster without warning: your club membership duration is YOUR RESPONSIBILITY.

Jim N5BEQ

# EDMOND AMATEUR

## RADIO SOCIETY

147.72/147.12

FIELD DAY -- SATURDAY, 27 JUNE -- HAVER PARK PAVILION

OK fellows -- let's go -- it is our time to shine in public! Here is the schedule.

10:00 - 12:00 CDT	Set up stations at Haver Park
12:00 - 18:00 CDT	Operate stations and compile logs.
15:00 - 17:00 CDT	Demonstrate operations to local officials and media
17:30 CDT	Families start arriving for picnic
18:00 - 20:00 CDT	Picnic and rag chews.
19:30 - 21:00 CDT	Break camp, police the area, and head home.

This is to be a 100% battery operation. Bob Janda will have engine driven recharge capability in place; if we can get enough heavy wire we may be able to operate dc direct from the charger bus (at your own risk, of course).

The club will furnish charcoal, lighter fluid and soft drinks. You beer drinkers get up your own kitty.

Charles Frodsham, KØAYS, has indicated he will help with getting the word out to the radio media community. Need help getting the word to the Sun-Booster, the video folks and to our city officials. ??? Who can help with this aspect of field day??????

### MINUTES (BURP!) OF THE MAY MEETING

Boy! Some of you missed another good-un!! On Friday evening, 15 May, 17 Ears members and family totaling 30 people in all converged upon the Western Sizzler in Edmond for dinner and lots of good old fashion rag chewing. We had a great time. The management of The Sizzler arranged one long table for us (albiet one piece at a time) and I did not see anyone who looked sad or left out of things. We are going to have to try that again.

### HELP A SHUT-IN PASS THE TIME

Charter member, Allen Watson, has had quite a time with a bleeding ulcer which showed up suddenly a few weeks ago; he spent considerable time at Mercy Hospital trying to stem the flow and get things moving in a mending direction. As of mid-month he is expected home for a period of convalescence shortly. He has a card from EARS with all the 2m calls and names on it so give a shout for W5ERY and help him while away the time.

### ANTENNAS--ANTENNAS--ANTENNAS--ANTENNAS--ANTENNAS--ANTENNAS--ANTENNAS--

It must be spring and the sap is beginning to rise. For example: KB5RR has acquired a 40' tower and a TA-33 to hold it down; KA5FQH has a home-brew ready to go up but this rainy afternoon (may 9th) has him stymied for the moment; and N5DBM's new KLM beam has arrived. Hopefully, they will all be up and operating by the time you read this. However, after that many antenna parties we may not be sober enough to conduct a QSO. Who knows, we may even get DeMand's antenna up on his tower.

### DX ON 147.72/.12

As many of you know, we occasionally have repeaters in Wichita and Mooreland ducting (skipping?) into our machine. Early this past month we had former member, Dave Dierker, WB5RLR, working the machine from Tulsa using a 13 el beam. He and Ken Stepp held it quite awhile before conditions changed; and KGP got in there briefly. (Heard him again Sunday evening, 16 May.)

EARS

REMEMBER FIELD DAY SATURDAY, 27 JUNE

Call Dee WD5FHR (341-6163) to advise him of your contribution of equipment and intended operation. Remember we are going for 100% battery operation. We also need a social chairman to put the picnic together.

ON MEMBERSHIP

We have a great club and we get a lot of satisfaction out of our service activities but we must not lose sight of the fact that we need new blood to maintain a vigorous and healthy condition. That means that each of us must be constantly alert to identify new member prospects and to take the steps necessary to bring them into the club.

Your scribe recently had an opportunity to browse the C & E mailing list for the 73034 Zip Code. There are a surprising number of hams in our area who are not on our roster. Perhaps some of them do not care to join us and v.v.; but how many are not with us because they have never been asked? BRING A FRIEND TO THE NEXT MEETING -- WE WOULD LIKE TO ENJOY HIS/HER FRIENDSHIP TOO.

THE REGULAR EARS MEETING FOR MARCH WAS HELD ON MARCH 15 IN THE SCIENCE BUILDING AT CENTRAL STATE UNIVERSITY. WE VARIED THE FORMAT SLIGHTLY THIS MONTH. AFTER A ROUND OF INTRODUCTIONS WHICH INCLUDED THREE NEW NOVICES (PENY KASKIY, TANIA KASKYA, AND NICHELE KASKUJ), WE POSTPONED THE BUSINESS PORTION OF THE MEETING TO ALLOW THE MAXIMUM POSSIBLE TIME FOR OUR PROGRAM. THE PROGRAM WAS PRESENTED BY MR. NEIL MARCHBANKS OF THE NATIONAL WEATHER SERVICE. HE PRESENTED TWO FILMS, A SLIDE SHOW, AND AN ENTIRE TABLE OF BROCHURES AND LITERATURE ABOUT STORMS AND WEATHER IN GENERAL. THE PROGRAM WAS VERY INTERESTING AND HIGHLY EDUCATIONAL. THE MEETING WAS ALSO WELL-ATTENDED, WITH SEVERAL VISITORS PRESENT. PM MAGAZINE WAS THERE TO PROVIDE MEDIA COVERAGE. IF ANY OF YOU SEE THE PROGRAM ABOUT THIS PRESENTATION, TELL ME ABOUT IT.

A BELATED WORD OF THANKS TO SEVERAL PEOPLE WHO HELPED WITH ANTENNA WORK DURING EARLY MARCH: KB5QC, KASFT, WBSKG, NSBUJ, AND WD5FEI MOVED THE TRANSMIT ANTENNA TO THE 180 FOOT LEVEL ON THE SHORTER TOWER. ALSO, K5IRO, KASFT, NSBUJ, AND WD5FEI GOT THE AMPLIFIER BACK ONLINE. THANKS TO BOTH CREWS FOR YOUR TIME AND SUPPORT.

NOTICE TO ANYBODY WHO HAS A BUNCH OF SCHEMATICS AROUND: RON KASEHR STILL NEEDS A SCHEMATIC OF THE HARVEY-WELLS TRANSMITTER. HE ALSO NEEDS A SCHEMATIC OF A GALAXY V. IF YOU CAN HELP HIM, CALL HIM AT 348-8358.

FOR SALE: SWAN 350D digital readout 5 band HF xcvr, 2 position CW filter, 120 vac or 12 vdc operation, recently factory aligned; Charles Frodsham, K0AYS, 348-7682, \$450.

WANTED: Kenwood VFO 520; Ed Thayer, KA5LAF, 341-2329.

FOR SALE: Kenwood TS520 5 band HF xcvr w/manuals, switchable CW filter, 120 vac, or 12 vdc operation, mint: Clarence, KB5RR, 341-7163.

FOR SALE: Kenwood VF0820 w/ manual, mint, drives all 520 and 820 series, Clarence, KB5RR, 341-7163.

FOR SALE: Kenwood TS120S/PS30 power supply digital readout 5 band xcvr, mint, covers 75m and 40m MARS freq.; Clarence, KB5RR 341-7163.

WANTED: Looking for 1950's or early 60's AM transmitting equipment, e.g. Collins, Hallicrafters, Heath, Johnson, B&W, Technical Materile, etc. Call Charles Frodsham, K0AYS, 348-7682.

EARS

CONSTITUTION & BY-LAWS -- NOTICE OF INTENT TO AMEND

Bill Wright has put together an update of our constitution and by-laws to fill in some gaps. Here is the revised copy for your consideration. Please be present Sunday, 21 June 1981, to discuss these changes. These amendments will be voted upon on Sunday, 19 July. Reference: Article VII, Constitution of the Edmond Amateur Radio Society.

The following changes to the EARS Constitution and By-Laws are hereby recommended for approval to all members:

ARTICLE I

Replace sentence 2 with:

Membership shall be by application upon such terms as the club shall by its By-Laws provide.

Reason for change: Eliminate the need to elect prospective members.

ARTICLE II

Section 3 - Addition:

Nominations shall be made by a committee of three members appointed by the presiding officer during the December meeting. The nominating committee shall name the proposed officers during the January meeting with nominations accepted from the floor. Nominations by the committee or from the floor must have the consent of those being submitted for nomination.

Reason for change: Provide for a nominating committee.

ARTICLE III

Section 4 - Addition:

There shall be an Executive Committee which shall be the planning body of the EARS Club, shall make recommendations on the management of its' affairs, and shall consist of the elected officers of EARS, chairman of standing committees, immediate past president, and the station trustee.

The Executive Committee shall meet once per month prior to the regular scheduled monthly meeting.

Reason for change: Provide for an Executive Committee.

BY-LAWS

Item 2: Delete the following sentence.

A majority vote of the members present will approve the applicant before he or she shall be considered elected to membership.

Reason for change: Eliminate the need to elect prospective members.

Item 6: Replace with:

A regular yearly assessment of

Individual Membership	\$10.00
Family Membership	\$13.00
Student Membership	\$ 5.00

is hereby assessed in accordance with the provisions of Article V of the Constitution for the purpose of providing funds for current expenses. Student membership is a non-voting membership. Dues are effective for one year from the date of payment.

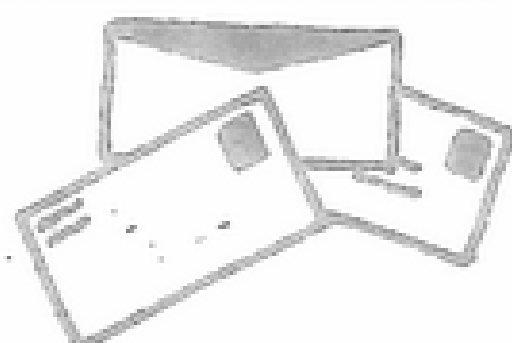
Reason for change: Provide for family membership.

PRE-REGISTRATION FOR HAM HOLIDAY/WEST GULF DIVISION CONVENTION MUST BE RECEIVED BY  
JULY 17, 1981 TO BE ELIBIBLE FOR ICOM 260. TICKETS WILL BE HELD AT REGISTRATION  
DESK. SEND S.A.S.E. IF CONFIRMATION NEEDED.

NAME \_\_\_\_\_ CALL \_\_\_\_\_  
STREET \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_  
OTHERS \_\_\_\_\_

_____	PRE-REGISTRATIONS	@ \$6.00	_____
_____	SATURDAY BANQUET	\$7.00	_____
_____	QCWA BREAKFAST TAXES AND TIPS INCLUDED	2.50	_____
	TOTAL ENCLOSED		_____

FLEA MARKET TABLES ARE FREE TO PRE-REGISTRANTS.  
SEND CHECK OR MONEY ORDER ONLY TO CORA, P.O. BOX 20113, OKLAHOMA CITY OK 73120



## letters to the editor

### LETTER TO THE EDITOR

CORA Collector & Emitter  
P. O. Box 15013  
Oklahoma City OK 73155

I wish to thank all of you with CORA for getting the word out on the auction of Buzz's shop equipment. There was an extraordinary turnout in spite of the bad weather, which shows the true dedication of Hams in search of one more piece of electronic equipment to add to their already overstocked shelves.

It was a pleasure to me personally to see so many friends and familiar faces.

TNX & 73

Betty Brooks

Special thanks to Joe Buswell for coming up and listing the equipment.

### MOST ALL ITEMS IN STOCK

M F J P R O D U C T S 1 5 0 0 O F F

#### C U S H C R A F T

A-4 3 BAND BEAM, 4 ELEMENTS \$209.00  
A-147-11 11 ELEMENT 2MTR. BEAM \$31.00  
AMS-147 MAG MT. 2 METER 5/8 WAVE \$24.00  
ARX-2B RINGO RANGER II \$36.50

#### H U S T L E R

4BTV, 4 BAND TRAP VERTICAL 10/40 MTRS. \$75.50  
5BTV, 5 BAND TRAP VERTICAL 10/80 MTRS. \$91.50  
ALL H F MOBILE RESONATORS INSTOCK  
PLUS MISC. 2 METER ANT. INSTOCK

#### T E M P O H A N D - H E L D T A L K I E S

##### APRIL AND MAY SPECIALS

S-1-TTP 450MAH. BATT, FLEX ANT. CHGR. \$242.00  
S-5, 450MAH. BATT, FLEX ANT. CHGR. \$258.00  
S-5-TTP 450MAH. BATT, FLEX ANT. CHGR. \$299.96

AZDEN P C S 3000 \$309.00

#### L U N A R E L E C T R O N I C S

2MI0-80P \$161.96 AMPLIFIER  
2M25-150P \$245.96 AMPLIFIER  
2M30-160P \$239.96 AMPLIFIER  
10 db GAIN PRE-AMPS \$29.96  
PA-28, PA-50, PA-144  
INLINE PRE-AMPS \$44.86  
PAI-50, PAI-144, PAI-220

#### T E N T E C, I N C.

OMNI "C" \$1040.00  
DELTA \$735.00  
"A R G O S Y" \$499.00  
HERCULES AMP. \$1315.00  
PLUS ACCESSORIES

### **BRODIE ELECTRONICS COMPANY**

2537 Edgewood Drive  
Moore, Oklahoma 73160  
405-794-0406

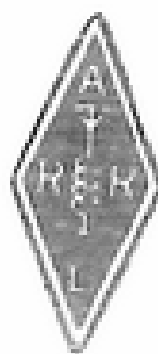


This reminder will come a month late on all counts. Seems like that is the way I have been operating lately, but here goes.

Vacation time is here. Have you checked out your mobile equipment, particularly H.F. gear? Things do have a way of deteriorating and problems showing up at inopportune times.

The Wheatstraw Amateur Radio Club is proud to announce that they are reviving the VHF FD Travelling Trophy origionally presented by K5VFR, Houston Blevins, for F.D. operation 50MHz and up, under standard ARRL F.D. rules. Entries may be sent to this writer for delivery to the judges and are due by July 28th. Why not try your luck?

Speaking of Field Day, it is my present plan to be available as much as possible for F.D. contacts and reception of F.D. traffic. Regular Oklahoma Week-end Net Schedules will be kept, plus other operating as much as possible.



APRIL NET ACTIVITIES				
Net	Sessions	QNI	QTC	WX
O.P.E.N.		report missing		
O.F.O.N.	21	264	78	
S.T.N.	26	411	83	
O.T.W.N.	26	397	269	250
O.L.Z.	30	210	88	
O.N.O.N.	30	672	97	
Q.C.W.A.	4	146	13	
N.W.O.S.N.	12	114	5	
Leonard, WA5FSN				



# Ann's Chicken Fry House

*(Specializing in Chicken  
Fried Steaks)*

*(Home of the Chicken Fry)*

Food you will enjoy . . .  
Service you will appreciate!

4106 N.W. 39th Street  
Oklahoma City, Okla.

#1 Ph. 943-8915

#2 Ph. 373-1677

422 Piedmont Rd. North  
Piedmont, Oklahoma

Consult individual club sections for specifics.

JUNE '81 HAM HAPPENINGS!						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		MORI, Great Plains			ACARC	
	1	2	3	4	5	6
WHEATSTRAW,	EARC DINNER, Trio City	76ers, Shawnee,		Altus, ATV		flea mkt.
7	8	9	10	11	12	13
	CARC, USAF MARS	OCAPA		Kay Cowboy	VHF	
14	15	16	17	18	19	20
EARS	ARES	CORA, Shawnee				
21	22	23	24	25	26	27
			HAVE YOU PRE-REGISTERED FOR <u>HAM HOLIDAY</u> ?			
28	29	30				

Can you wear

## SOFT CONTACT LENSES?

Find out if you can wear soft contact lenses. Just drop by for a free computer analysis using our System 6600 Autorefractor.

If the signs are right, we'll place soft contact lenses on your eyes and make a further evaluation. Bring your written prescription if you wish. Patient normally gets lenses **IMMEDIATELY!**

**840-1234**

Dr. Robert Goodhead  
Optometrist, Inc.  
2821 N.W. 57th St.

**Ask Doc, WA5CZN, about his fantastic contacts!**