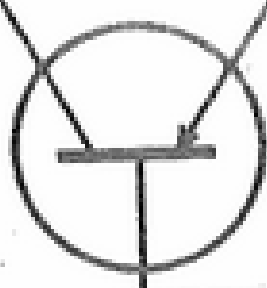


CENTRAL OKLAHOMA RADIO AMATEURS
COLLECTOR AND **EMITTER**



50¢

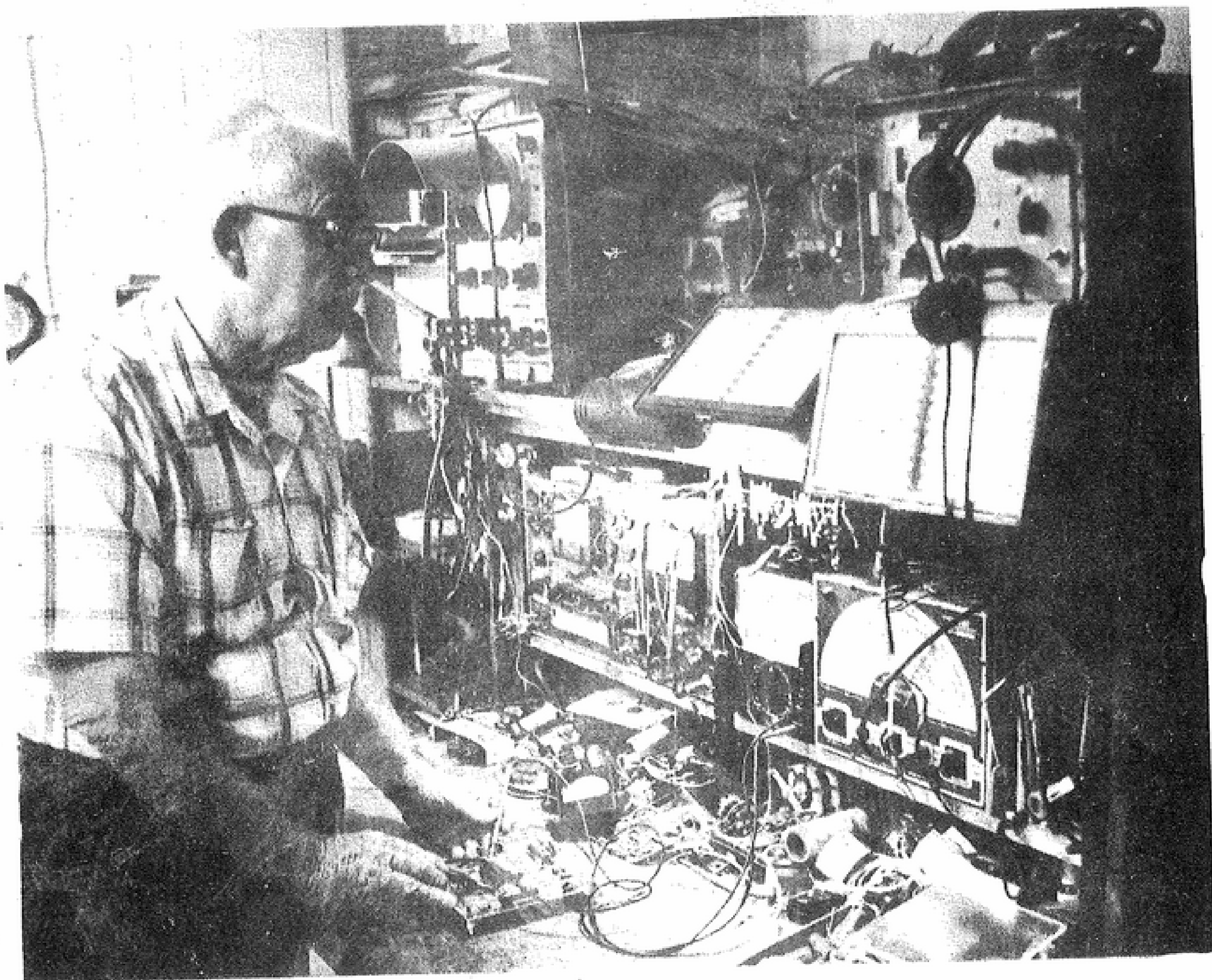
Volume 8

NOVEMBER 1982

Number 94

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Amateur radio and especially Oklahoma and the ARRL lost an outstanding member with the death of Leonard Hollar, WA5FSN last week.

There should be a big writeup here to tell all about his accomplishments, but after reading a couple of features in the two Kingfisher papers and reading the submissions from clubs contained in this issue I decided to just thank Leonard for myself. and the hundreds of amateurs he helped and called friend.

Joe, WA5ZNF

Picture reproduced from Kingfisher Sunday Chronicle

D

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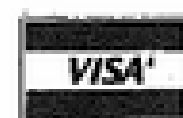
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THESE CORA MEMBER CLUBS PROMOTE AMATEUR RADIO

1 AERONAUTICAL CENTER ARC
MEETS: 8:00 pm First Friday at Flight Standards Bldg., FAA Aeronautical Center
PR AA00 Robby Runyon 373-1818
VP N5ABL Holly Holcomb 799-2539
Se WB5UHW Jim Seignious 751-6698
Tr K5RJR Larry Vorheis 789-9629
EDITOR: Jim Seignious, WB5UHW 751-6698

2 OKLAHOMA CENTRAL VHF CLUB
MEETS: 8:00 pm Third Friday, Red Cross Bldg., 10th & Hudson, Okla City
PR W5VCJ "Steve" Stevens 341-8486
VP WD5IRB Ralph Bartow 521-8330
Se K5JB Joe Buswell 732-0676
Tr W5KE Ellard Foster 789-6702
EDITOR: Joe Buswell, K5JB 732-0676

3 MID-OKLAHOMA REPEATOR, Inc.
MEETS: 8:00 pm First Tuesday, Okla City EOC, 4600 N Eastern
PR KC5HD John Clement 943-2467
VP W5HPR Don McDown 732-6749
Se KA5ERZ Connie Boland 348-0123
Tr W5K0Z Sid Gerber 737-1050
EDITOR: Susie Atkinson, KA5FED 842-8014

4 OKLAHOMA CITY AUTOPATCH ASSOCIATION
MEETS: 7:30 pm Third Tuesday, Okla City Fire Dept Training Center, N. Portland
Pr N5IH Henry Israel 722-3848
VP K2GKK D. C. Macdonald 672-4947
Se WB5NDO Kathy Whited 799-1457
Tr K5GL Guy Liebmann 787-9545
EDITOR: "Mac" Macdonald, K2GKK 672-4947

5 OKLAHOMA UNIVERSITY AMATEUR RADIO CLUB
MEETS: 7:00 pm Second Tuesday (Sep-May) 119 Wilson Center, 1334 S Jenkins
PR KE5N John Wustenberg 325-2262
S/T KA5LZN Greg Smith 325-3218

EDITOR: Greg Smith, KA5LZN 325-2418

6 ALTUS AREA AMATEUR RADIO ASSOCIATION
MEETS: 7:30 pm Second Thursday North Main Fire Station (CD)
PR WB5MJS Charles Smith 477-1098
VP S/T WA5CBF Loren Simms 477-0921
EDITOR: Loren Simms, WA5CBF 477-0921

7 BICENTENNIAL (76'ers) ARC
MEETS: 7:00 pm Second Tuesday, Air National Guard, Will Rogers Airport.
PR N5BFD Jim Hopkins 947-0043
VP WD5JNT Ted Vanlaningham 262-1675
Se N5AUH Jerry Sproul 354-2061
Tr WB5VBE Dale Moore 721-6142
EDITOR: Bruce Goff, KC5CR 751-6276

9 WHEATSTRAW AMATEUR RADIO CLUB
MEETS: 2:30 pm Second Sunday. Location varies. See club section for location.
PR WA5GLD Dick Ruhl (Kingfisher) 375-4843
VP KA5FUU Tom Johnson (El Reno) 262-5631
S/T WA5PFB Ralph Wilder (Watonga) 623-4521
EDITOR: Ted Vanlaningham (El Reno) 262-1675

12 SHAWNEE AMATEUR RADIO CLUB
MEETS: 8:00 pm Second & Fourth Tuesday Shawnee City Hall (EOC)
PR WB5ZBA Earl Couch 598-3212
VP WD5ETD Rick Wilson 273-3843
S/T KA5FBC Jim Sullivan
EDITOR:

13 KAY COUNTY AMATEUR RADIO CLUB
MEETS: 7:00 pm Third Thursday at EOC Ponca City
PR WA5UBO Marsh Pronneke 363-2526
VP WB5NQT Pat Burnham 765-7229
S/T WB5YRN Delbert Foiles 762-4479
EDITOR: Marsh Pronneke, WA5UBO 363-2526

15 SOUTH CANADIAN AMATEUR RADIO SOCIETY
MEETS: 9:30 am Second Saturday, Red Cross Bldg., North Campus, Norman OK
PR KU5B Jack Bickham 329-1311
VP K5KDR Bill Oliver 329-6333
Se AF5X Jess McKinzie 329-1543
Tr WB5UUX Charles McCown 321-1061
EDITOR: Sam Barrett, WA5RPP 321-2601

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

17 TRI-CITY AMATEUR RADIO CLUB
MEETS: 7:00 pm First Tuesday, Location varies. See club section.
PR WB5UBB John Warriner 379-3149
VP WB5VLT J. B. Bills 379-3992
S/T WB5TYW Yvonne Warriner 379-3500
EDITOR: Yvonne Warriner, WB5TYW 379-3500

18 GREAT PLAINS AMATEUR RADIO CLUB
MEETS: 7:30 pm First Tuesday, Basement Woodward Court House.
PR N5CCV Gerald Bowman 994-5381
VP WB0PGD Ron Tice 994-2138
Se WB0QGW Carla Tice 994-2138
Tr N5EOY Gerry Ford 256-5342
EDITOR: Carla Tice, WB0QGW 994-2138

19 SOUTHEAST OKLA AMATEUR RADIO ASSN.
MEETS: 7:30 pm Second Monday. Location varies. Contact a club officer.
PR WB5TTU Ron Henson 326-5418
VP WB5ULI George Weldon 326-5672
S/T WD5FUE Orville Kaley 326-3650
EDITOR: Ron Henson, WB5TTU 326-5418

20 ARDMORE AMATEUR RADIO CLUB
MEETS: 8:00 pm First Wed. Red Cross Bldg. Informal, 8:00 pm other Weds. 221 9th NW
PR W5HJ Tom Banks 226-3350
VP WB5VBK Fred Innis 223-1709
Tr W5BLW Charles Dibrell 226-0589
Se WA5YOM Tim Vandagriff 223-3582
EDITOR: John Merlyn, WD5FZD 223-9543

MANAGING EDITOR:
 Joe Harding, WA5ZNF Phone 737-1044
CIRCULATION MANAGER:
 Bob Graham, WB5NSV Phone 677-8685
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CENTRAL OKLAHOMA RADIO AMATEURS, Inc.
MEETS: 7:30 pm Fourth Tuesday (Except Dec.) Red Cross, Oklahoma City
PR WD5JNT Ted Vanlaningham 262-1675
VP K2GKK D. C. Macdonald 672-4947
Se N5BEQ Jin Buswell 236-0368
Tr K5GGL George Maschino 263-7614

OU

The OU Amateur Radio Club provided communications for the bicycle races held on Sunday, September 19th in Norman. We relayed reports of downed racers and racers that had dropped out of the race to the public address announcer and to race officials. Also the Norman Police Department loaned us on of their radios to help call medical help should someone be injured seriously but the radio was not needed. Gayland Kitch of OU REACT also was on hand and provided the command post with one of their 462 Mhz rigs. Thanks to KA5MI2, KA5MMN, KA5COI, and KA5OHU as well as Norman Police Major Dave Boyett who provided the police dept. radio for the command post.

Our next project will be to relocate our HF beam from storage in Carson Engineering Center to our tower near the new radio shack at Wilson Activity Center. We're currently about to strangle in OU red tape but after two tries to get our antenna, we're sure that the third time will be the charm. Hopefully the new beam antenna will be operational soon, and as soon as the club's HF rig is fully operational again we should have a top notch station at OU. Also the changes in the tower should raise the club 2 meter antenna about 15 feet in height.

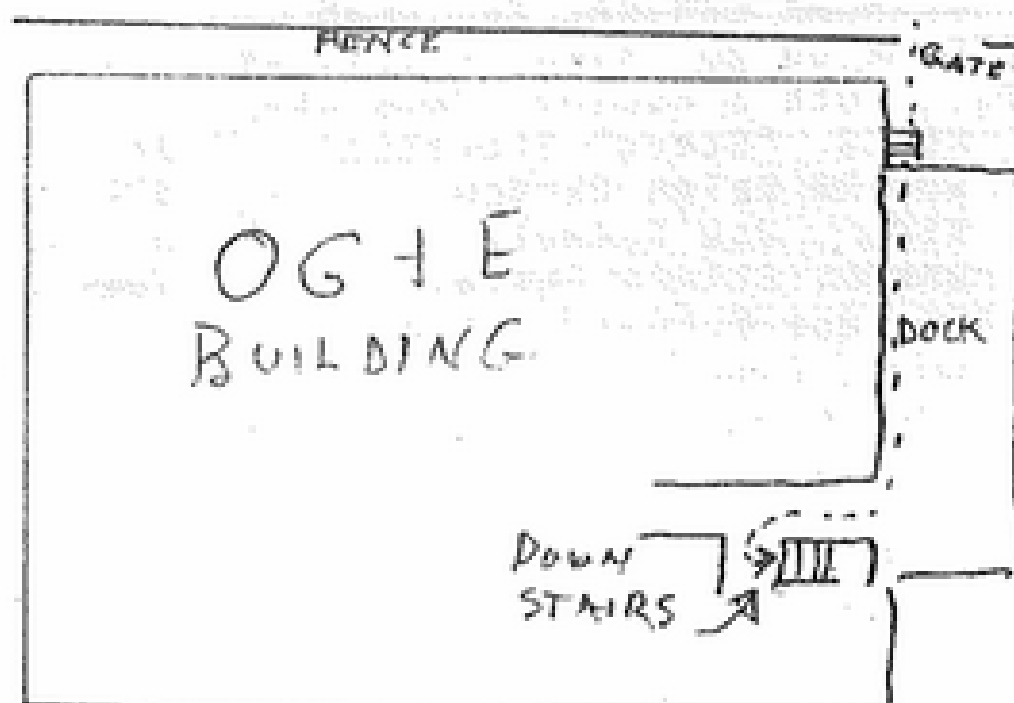
The next club meeting will be held at 7:00 pm, Tuesday, November 9th, in room 119 of the Wilson Activity Center which is located at 1334 S. Jenkins in Norman. See Ya There!

'73
Greg, KA5LZN

76'ERS NEW MEETING PLACE

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1. Meeting called to order at 7:12 by President Buswell.
2. Secretary report: By Secretary Jerry N5AUH. Report was accepted as printed in C&E by majority vote.
3. Treasurer report: By Treas. Bill Rodgers. Bill submitted a financial report. Also reported we have 2 new members since last month. Motion was made and accepted to accept report as written.
4. Announcements: Bill suggested we make an Announcement in C&E about the new dues of six dollars so everyone will know. Dick Baker announced he has secured the OG&E cafeteria for our November meeting, then we can see how we like it and decide if we want to stay or find another location.
5. Old Business: Ted WD5JNT reminded Ken K5UAB about his offer to set a coffee pot for club. Ken apologized for his slip up and pledged to handle it for next month.
6. C.O.R.A. Report: Dale W5SUBE gave report. Goal of CORA is to have a sum of \$2000 left over after each Ham Holiday for help in planning next year's event. This year we finished with \$1979 which ain't bad. New CORA officers are Ted WD5JNT President, Mac K2GKK U.P., Jim N5BEQ, secr., George K5GGL, treasurer. Also they would like for us to decide as soon as possible on what our club job will be next year at HH83. A motion was made to shelve that decision till next month. After some discussion motion was withdrawn. Motion was made by Dale W5SUBE that we take the programs next year in addition to our regular job of Pre-registration. Motion carried. Dale volunteered to head up the program committee. Bruce KC5CR volunteered to help. Dale suggested we put ad in C&E about suggestions for programs.
7. Nomination committee: Secr read minutes of committee meetings.
8. Nominations opened for President from floor.

Nominations were:

 1. Dick Baker who declined
 2. Dave Nelson who declined
 3. Jim Buswell nominated by committee
 4. Jim Hopkins nominated by committee

Election was held by the Secretary:
The winner and new President is Jim Hopkins N5BFD
9. Nominations opened for U. President from floor.

Nominations were:

 1. Ted Vanlandingham

since Ted was only nomination he was elected by acclamation.
10. Nominations opened for Secretary:

Nominations were:

 1. Jerry Sproul
 2. Bruce Goff

Election was held and the winner was Jerry Sproul N5AUH
11. Nominations for Treasurer:
 1. Dale Moore
 2. Jim Seals

Election was held and winner was Dale W5SUBE.
12. The only candidate for Program Director was Tom Childers N5GE, and he won by a landslide.
13. New Business: Christmas Party plans: Suggestions were made to go to some place like Duffs or Dodsons. Ken Burdick agreed to check into a place and report next month. Motion was made to give Ken full power to pick out place. Motion carried.
13. Motion was made to adjourn. Motion carried.

Jerry Sproul N5AUH Sec.

NOTICE DUES NOW \$6.00

A couple of months ago we decided to again split the club treasury from the repeater support fund. For this reason, we were able to reduce our annual assessment fees from ten dollars to only six. Another advantage of this is that those who do not want to support the repeater will not have to. Personally, I think it would be to our advantage not to be just another "repeater club". We really used to have something special at the 76ers, and I hope we can get some of the old enthusiasm going again. Those of you who haven't been out in awhile, why not come on out this month? Who knows, you may even meet some old friends. Remember, we don't want your money, just some activity by the members of the club (and non-members, if the case may be). If you don't like what you see, tell us about it. If I can, I'll see to it that what you don't like is changed. Surely this is better than simply keeping it to yourself and never coming back again. I suspect this is what happened to a lot of our former members. Only you can make us the greatest club in Oklahoma once again.

Those of you who heard either the recent expeditions to Peter and Paul Rocks, or the SMØAGD/KH1 and T31AE Canton Island operations may have found the pileups to be unbelievable for a country like Canton which was on only last summer of 1979. Apparently, the number of new DXers is on the upswing, as the competition is becoming formidable. Such pileups I would have thought reserved for BY or 70.

The real problem in this great number of eager US stations is not the quantity of the operators, however. The problem is quality of them. With the huge numbers of stations calling trying to work the DX, some of the stations get so impatient that they simply start calling, calling, and calling without even listening to see if the DX came back to them. This operating practice seems fruitless to me, but it certainly is a popular one. Now, if these guys wish to call continuously, I guess it is their right. The problem with it is that by doing so, they prevent others from telling who, if anyone, the DX came back to. Very tacky.

In the case of the DX-pedition, when literally thousands of DXers are trying to get through, the main problem is not the above mentioned people, it is the folks that insist on talking on the DX operators frequency while the rest of us try and hear through him. Some of the language I heard on the PYØ expedition was unbelievable. It made me ashamed to admit that I was a DXer myself. In fact, I began to question the worth of the operation. The operator had the pileup spread out over the entire U.S. phone band (giving the term "listen for the general class operators awhile" a different meaning). Now surely this isn't good operating procedure, but then KD4LI/TI2 took it upon herself to start calling CQ on the frequency, knowing full well that the PYØ was already there. She then proceeded to argue with almost every U.S. DXer on the band. Now, this isn't my idea of good operating procedure either. She certainly didn't do any damage to the PYØ operators. In fact, she really didn't do anything except keep countless U.S. DXers from working the PYØ until the next operation.

In this case, both stations were, in my humble opinion, in the wrong. But when ham radio achieves a new high in low like this one it makes me wonder what our hobby will be like in the year 2001.

Bruce KC5CR

ATTENTION 76ERS

- * WE HAVE A NEW MEETING PLACE FOR NOVEMBER
- * WE WILL BE MEETING AT THE S. BROADWAY OG & E
- * BUILDING JUST SOUTH OF THE CROSSTOWN AT BROADWAY
- SEE MAP

ATTENTION 76ERS IMPORTANT INFO

ALTUS AREA AMATEUR RADIO ASSOCIATION

Dwight Dennis, WB5KRH, the Altus City Civil Defense Director and the Oklahoma Department of Civil Defense recently sponsored a two evening training program in Radiological Monitoring. This class was taught by Mr. Cliff Conkle and assisted by Mr. John Ewing and Mr. Walter Howell on Sept. 23-24, 1978.

The seven hours of training was conducted in the basement classroom of the North Main Fire Station on Thursday nite from 7:00 to 11:00 p.m. and from 7:00 to 10:00 p.m. on Friday nite. Twenty-four attendees learned the care and operation of the radiological Defense monitoring instruments such as the CDV-700, CDV-715, CDV-717, CDV-138 and the CDV-750.

Among the 24 attendees were 6 Hams. Those amateurs attending the two nites of classes were: Dwight Dennis, WB5KRH, Chuck Smith, WB5MJS, Betty Gilliam, WB5PMG, Paul McEndree, WD5BBO, Gary Alexander, KA5MPK, and Loren Simms, WA5CBF

It seems like we are going to have a new crop of Novices thanks to the efforts of Delayne Randolph, N5EST, and Gary Alexander, KA5MPK. They are conducting code classes on Monday evenings weekly at 1900 hrs. These classes are being held at the Catholic Church on Falcon road here in Altus. The attendance, so far, has ranged from 13 to 14 in number.

Steve Sappington, N5EOZ, of Mangum, Oklahoma was one of 16 southwestern Oklahoma men selected to be included in the book Outstanding Young Men of America: 1982. This program is endorsed by the United States Jaycees and recognizes the achievements and abilities of men between the ages of 21 and 36.

The Altus Area Amateur Radio Association on Oct. 9, 1982 held its annual "bash" at Lake Altus. Fifty-two members, families, and friends showed up to consume 78 hamburgers, 20 hot dogs, and trimmings. Large quantities of soda pop, coffee, and tea.

The Hamfeast (as we call it) lasted from 1000 am to 300 pm Saturday at Pavillian #1 reserved well ahead of time. There was plenty of food, fellowship, and good times had by all. The weatherman even co-operated this year.

The gathering was officially opened and closed in a record time: about five minutes. After a short welcoming speech by Chuck Smith, WB5MJS, a plaque was presented to Deanna McEndree, WB5UMH, for all of the fine help she has put into the ice cream social plus the work involved with the Hamfeast. The opening prayer was offered by Steve Sappington, N5EOZ.

Chuck turned Chef and cooked some very good tasting hamburgers. He was assisted by Deanna and Janice, WB5MMN.

All the food everyone brought was good. Of all the treats present, the one which the writer considered excellent were the candid apples brought by Joe (W5CCV) and Irene McDonald. They brought two huge serving trays of candid apples which tasted "out of this world." To sweeten everyone up, A.L. McGinnis, WA5MCR, brought two cases of squeeze jars of honey.

Those present were: WA5CBF, WB5MMN, Chris; N5EOZ; N5AIP; WD5BBO, WB5UMH; W5VXU, Ann; KA5KML; WB5MJS, Linda; WB5BBV; WD5BQO; WA5MCS; WB5KRH; KA5KVU; WB5VWJ; WA5MCR, KA5OBN; W5UOV, KA5KKQ; WD5JAJ; KA7IWQ, WB6CWK, Diana, Ginny; KA6RTX, Mie, Bryan, Leann; WA2JXD, Julie, Adam; W5ZDI, Shirley; K9PNT, Alice; W5CCV, Irene; W5UVX; Veda; K5OVO, Jerry, Joe; Dale, Judy; Mike; N5EOZ.; and others.

To sum up, everyone should have been stuffed full when they left. Rumor has it, Chuck ate so much that he had to take a three hour nap after getting home.

The food was good, the company great, and the weather was excellent. It will be hard to top this event next year, but we are looking forward to it.

The Altus Area Amateur Radio Association had its monthly meeting, Thursday nite, Oct 14th., at the North Main Fire Station. There was not a large crowd as usual because of the Hamfeast at Lake Altus this last Saturday.

Six brave souls did show up for the meeting that

started at 1930 hrs. Those present were WA5CBF, W5VXU, WA2JXD, WA5PGV, KA6RTX, and WB5KRH.

After some discussion on RTTY, 15 meter DX, VRC-19, computers, the meeting quickly degenerated into swapping tales of war stories. The meeting broke up at 2100 hrs.

The club presently has \$264.77 in the club treasury. We spent \$118.35 total on the Hamfeast, but received \$40.88 in donations. The actual cost was \$77.47 for all the good food and times we had.

Club members with dues due are:

Bud Smith 82-09 Charles Smith 82-09
James Molledah 82-09 Joe McDonald 82-11
Don Hayes 82-05

Next club meeting is scheduled for Nov. 11, 1982. It is always the Second Thursday of the month. Hope to see you there.

Loren

N5DKZ is on RTTY: 15 meters and hunting. Rumor has it that his wife was as pleased as he when he got his set-up going. Hi.

W5VXU is getting ready for SET-82. Dwight, WB5KRH and he are planning something big in the way of training.

WB5VUM- is finally going to officially toot the horn and blow the whistle while driving the fire truck for the city of Altus. He passed his drivers test this last week.

WB5LCM and XYL proud parents- baby girl: 9lbs8 oz.

The following article was written with the help of the reminises of Sherwood Harris, WA5TXG, (interview 12-7-78); Butch Pinson, WA5WIC, (interview 12-5-78); Frank Martin, K5KCJ, (interview 3-23-82); and data from an old log book found at the Emergency Operations Center

This is the story of the first two meter FM repeater located in the southwestern corner of the state. This repeater was on 146.34-.94 MHz. It was sponsored by the Navajo Mountain Amateur Radio Club which was in existence between 1966 thru 1972. According to Frank Martin, K5KCJ, the very first repeater was pushed by W5TGL (Two Gun Louie) Kennie Kete, who was then commander of the 4th. Mobile Communications Group which was stationed at Altus.

The repeater location was at what was called the "East- 40" on land owned by the Air Force and off the base proper. The transmitting and receiving antennas were located on a 80-90 foot tall telephone pole. Vince McKeaver, K0OAC, developed the repeater. Les Brown, W2FIR/5 (now W5UVX) also worked on this machine. Frank said the repeater utilized two separate homemade col-linear antennas. Butch Pinson, WA5WIC, said because of problems with the transmitter getting into the receiver, screen wire was placed between the antennas to increase the shielding effect. Butch said they had a lot of problems with the transmitter interfering with the receiver. At one time, the system "chopped" so much the users would try to converse between chops. Butch once even tried to construct a single cavity resonator to reduce this interference.

The repeater was first used on May 26, 1971. This repeater never made it off the ground as it only lasted shortly into 1972. Butch stated "the repeater sometimes worked well". One instance, Butch was at Foss junction on I-40 and made it into the repeater to Keith Pinson, WA5ZFI, who was driving at Hinton, Oklahoma.

The old logbook at the Emergency Operations Center contained a list of operators and calls who utilized this two meter repeater. They were: Butch Pinson, WA5WIC.; Keith Pinson, WA5ZFI.; J.D. Jones, WA5SMA.; Jim Calcote, WA5OPV; Sherwood Harris, WA5TXG; Doc Hunter, W5ZUS; Rich Vanlandingham, WB6MPN, Les Brown, W2FIR/5; Bud Smith, WA5ZAR; Chick Gibbs, WA9WXX; and WA3HOJ.

This repeater was eventually moved to Mangum, Oklahoma and was operated off and on by Jim Calcote, WA5OPV. It was located at a TV relay tower. The receive antenna was at 400 feet and the transmit antenna as on the 160 foot level. Its range was good, but it could not keep going.

It would be up to another repeater group- the Southwestern Oklahoma Repeater Association- to construct and operate another repeater in southwest Oklahoma in 1975.

ICOM 720A FOR SALE

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The South Canadian Amateur Radio Society

SCARS REPEATER MOVES; YULE PARTY SET

A funny thing happened to the October business meeting of the South Canadian Amateur Radio Society.

It didn't happen.

What did happen was that the president went to New York on business and the vice president also left town on business, and the secretary choked.

Hey, guys, we're sorry. (And please don't all yell at once, "You sure are!")

So then what happened was that the Norman police department moved into its new quarters without notifying anyone in SCARS, and the fuzz turned off the power and left the 66/06 machine in the abandoned building.

So the undersigned came back to town and began wishing he hadn't. Everything seemed to be a little screwed up.

When in doubt, take unilateral action.

Acting on that premise, the president made arrangements to have the 66/06 machine removed from the old police station and taken to the Cleveland County Courthouse, where Dean Waddell and his guys were planning to install it -- with the antenna on the courthouse tower -- the week of the 24th. Unless interference troubles developed, you should be hearing the W5OU repeater again by the time you read this.

Incidentally, Dean was a great help during this confusing time, and we owe a big thank you to Sheriff Bill Porter who was quick to recognize the usefulness of the SCARS machine for weather watching and other civil defense-related work. The sheriff runs the courthouse by state law, and it was Sheriff Porter who kindly agreed to give us a new repeater home.

The club treasury will be billed for the part of the work done in removing the heavy commercial-quality antenna from the old police tower and getting it up to roughly the same height on the courthouse, moving the repeater, etc. The "et cetera" comes from another unilateral action by El Presidente, who asked Dean to give the repeater a thorough technical going-over after resetting it in the loft of the courthouse. I expect us to be billed for this.

(In setting up the repeater in the first place, Dean and John Stehr donated an enormous amount of time and effort, and Dean gave the club hours of help in arranging the new location.)

I hope this meets with members' approval. There was no time for a special meeting. If this action is not agreeable to the membership, there is always impeachment... or a new election next month.

Nominating Committee Named

Speaking of which, SCARS does elect in November for officers to take over in January. Therefore, (more dictatorship!) KU5B announces the following persons to serve on the committee directed to bring in nominees for club officers in 1983.

The nominating committee will be WA5RPP (chairman), N5DWN and AF5X.

This committee will bring a slate of nominees to the business meeting on November 12. By club laws, other nominations can of course be made from the floor. The committee will suggest one nominee for each of the following offices: president, vice president, treasurer, and secretary. The club reporter is not an elected office, and WA5RPP continues in that role.

Under club laws, officers may not succeed themselves in the same office. We have no rules or traditions that either require or forbid an officer of one year from

serving in another office the next year.

If you want to serve, let the committee know. At any rate, come and vote November 12!

Club Dues Payable Now

A number of SCARS members have already turned in their dues for 1983. You need to pay your money to any club officer and fill out one of those neat little sheets that Olde Joe Harding has to have in his files at C&E for the Postal Service people. Why not plan to bring your checkbook November 12 also, and have that out of the way?

As a reminder, SCARS lowered its dues this year. Full membership, including repeater use and C&E, is just \$12. Associate membership (for non-users of the repeater) is just \$6. Cheap!

Christmas Party Set December 3

More unilateral action.

The fifth annual (I think) Norman amateur radio Christmas party will be held at the Commons on the OU campus starting at 7 p.m. Friday, December 3.

We'll convene in the President's Dining Room upstairs at the Commons the same as the last three or four years.

Here's the menu: salad, beef stroganoff, broccoli, peach half, rolls, hot apple dumpling and coffee.

Here's the price for everything: \$7.75 per person.

We have to reserve the meals in advance, so as in the past we have to have your money in hand by November 28 at the latest. Please tell K5KDR if you plan to attend, and get your check in his hands before the end of November.

Why wait? Last year a couple of people forgot and didn't get to come. Send K5KDR your check now, while it's on your mind!

We may have a program. Too early to say. If we do, it will be short and fun.

And say, do note that this is not just a SCARS function. Every year we get pleasure from having friends from other clubs join us in this event. Come one, come all -- just let us know your plans before that deadline!

-- KU5B

WHO? Beats me, but Bob Ashby, W5HXL called and reminded me of all of the fun we had in former years in November.

WHAT? It's called LAST CHANCE BEFORE SNOWFALL

Weiner Roast
November
be too "hot"
tent it, but



And Campout.
nights may not
for those who
heated campers

will do just fine. If you can't campout bring your weiners, buns, mustard, etc., your spouse and kids or girlfriend and have some fellowship around a roaring fire.

WHEN? Come anytime after 2:00 pm on Saturday November 20 and stay until full or tired.

WHERE? Go to the Clear Bay area of Little River State Park on Lake Thunderbird (Highway 9). Try .52 or .94 to help find the exact area.

WHY? Live a little, have some fun, feed your face, eyeball to your hearts content, fish, swim (hi). See you there.

Robert E. Perry KAGAGC
Manager

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6-2

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ARDMORE AMATEUR RADIO CLUB COMMUNITY SERVICE SINCE 1948

ok-dx

The summer seems to have slowed down our club activities. Maybe the cool weather will perk up our ham appetites, oh, we still gather at Charles shack and dream about the new equipment in the advertisements but thats about it.

We did participate in "S.E.T." and if I must say all consider it a success as we were able to test coverage to several locations.

At 1400 Sunday, Oct. 17th. we began coverage of a Tornado that hit the southwest part of Ardmore, parts of Lone Grove and on into Springer. Twentyfive homes were destroyed in Ardmore, fifteen mobile homes were hit. Mobile two meter moved into Lone Grove finding damage to seven homes, four major and 3 minor, with injured. Immediately an Ambulance was called for and dispatched.

From our operating center in the Red Cross where our club station W5JP is located we found we could communicate on 52 simplex to Lonegrove, to south of Ringling; into both Healdton and Springer. Our main repeater is on purchased power, which was intermittent so it became necessary to switch from 37/97 to our battery powered repeater on 19/79.

In spite of the fact it is much lower powered we did work into the disaster area and into south of Ringling. We also found that we could operate without interference on simplex and thru our repeaters at the same time.

When local power failed we started the emergency generator and went back on the air. Traffic from Oklahoma city on 3900 was relayed to the local EOC director. Six operators worked out of the Communication center, Fred Ennis, WB5VKB; Jim Chilcoat, W5JCX; Mike Thomas, NA5U; Gene South, WA5IJA; Ernie Miller W5SNM; and Charles Dibrell, W5BLW.

Contacts were made with WB5NQU @ Daughtery, K5YTW @ Healdton, (Nice to have Lloyd Bensen in our area): WB5VKA, Ardmore and KZ5Z in Healdton.

Two area operator have built slow scan T.V. that is compareable to the Robot 400.

W5RFX, Russell Anatubby and WB5FAJ, Howard Robinson kept the soldering irons hot into the wee hours of the night several nights. I have not seen them in operation but have been told they perform excently.

TEXOMA HAMARAMA

What should we expect from Texoma Hamarama ? 1st. class postage to 2500 hams asking for suggestions would cost the organization \$500. One hour once a year does not allow much time for input, most criticism is not constructive and only antagonizes, what is the answer ?

Anyone who attended this years meeting at Texoma Lodge should be well aware of the many many problems. One look in the door of the usually crowed retailers & manufactures room should give you a hint. Do we need to look for another place ? Texoma Hamarama would just not seem the same to those who have traveled there for so many years. Why do we attend this meet any way ? To see equipment, to dance, to eat, to visit old friends ? My guess is that those who arrive in the camp grounds two weeks or more early are primarily interested in seeing old and making new friends. New management in both the lodge and state offices are dictating new policys. The lodge is trying to make a profit. Do they really need to profit that much from Oklahoma Amateur Radio Operators who give both time and money twelve months a year to help the people of Oklahoma? How many unaccounted dollars are spent by "HAMS", driving to check on reported storm clouds, that may be spawning a tornado ? How many dollars did you spend, last year, helping the weather bureau, the Red Cross or the Emergency Operation Center? CORA has 22 clubs with many members, maybe we should get the facts and then as individuals write our governor so that he also is aware of our problems. Let us also write the TEXOMA HAMARAMA ASSOCIATION. P.O.

NEXT MEETING-NOVEMBER 8, 1982

You are invited to attend the November meeting of "OK-DX" Association. We meet on the second monday of each month at the WATERHOLE restaurant, 3333 N.W. Expressway (across from Baptist Medical Center). The informal gathering starts at 6:00 PM, and ends whenever ... (usually in time for Monday Night Football) HI.

This month, bring your war-stories about the CQ World-Wide DX Contest...It will be fun to see how many folks worked new countries...or at least new band-countries.

Remember, you do not have to be a DXCC member to attend; just be interested in learning about HF DX'ing. (We have at least two honor-roll members who attend regularly.)

Elsewhere in this issue is an article about the forth-coming Heard Island DX-Pedition...I hope we can drum up some support for the International DX Foudation. John Ackley and his group have given many a DXer several new and tough country. IDXF was involved in the recent PY0 fiasco, but we don't know who decided the operating guidelines...so we'll withhold "blame" until the entire story is known.

In case you did not hear the mess, the recent DXpedition to St. Peter and Paul Rocks used the entire SSB segment of 20 meters to operate split. Needless to say, there were alot of communications disrupted by rabid DXers trying to get this rare one. Many, if not all DXers were calling on top of other QSO's in a futile effort to work the PY0. The PY0 was working "Russian Roulette" style, so if you worked him on twenty meters, it was not skill but rather pure luck that prevailed!

I am as avid a DXer as the next guy, but there is simply no excuse for devouring the entire band for a split operation. Somebody needs to explain the rationale for this kind of operation.

*****ON THE BANDS*****

CQ World-Wide is over, so we won't bore you with the stations you MISSED...Here are the facts and rumours of stations expected to be heard:

J28 - DJIBOUTI ; The Yasme team of Lloyd and Iris Colvin are expected from here about now. Word is they will work 40 and 80 as well as the usual DX frequencies.

FO0 - CLIPPERTON ISLAND ; Everyone in the World worked this one during the last DXpedition; except your editor...I was in the process of moving--you guessed it, NO ANTENNAS! Word is that a group of hams from French Polynesia has obtained licenses to operate on Clipperton. Now all they need is cooperation of the French Army for transportation! Seems that the Army is going to set up a weather station on Clipperton. More later.

TT8 - CHAD ; We discussed this one in our last article, and it had alot of attention at the last meeting. Lots of folks need TT8! TL8GE has been operating from a list from TZ-land for the past several weeks. He has shown up around 2300 UTC on 14.220Mhz, working with PY2PE and her following... Many have worked the TZ in spite of poor operating techniques and the usual QRM. TL8GE was expected to move to TT last week, but as of this writing, he has taken sick and once again delayed his departure for Chad. (Who can blame him???)

Keep listening around 14.218 to 14.220Mhz at 2300-0000 UTC and you'll know as much as I do. HI Call me if you hear him...

VK9X - CHRISTMAS ISLAND ; VK6NE is planning to stop here from November 3-10, 1982. Neal is understandably partial to the VK-ZL boys, but a good bet is 10 or 15 meters after 0000 UTC.

OD5 - LEBANON ; OD5LX has been heard several evenings around 0200 UTC on 14.025 MHZ. Your guess is as good as mine...SLIM?

Box 47382, Dallas, Tx. 75247. Give them good suggestions, criticism will not help anyone. Tell them what you will do to help and lets go back to the last full week end in Oct. with winter rates or less.-73- John WD5FZD.

BILL BLAST VISITS ZEDD AGAIN, HEADS WEST

As longtime readers may recall, it was fourteen months ago that we reported the first visit to Norman of Bill Blast, MC of the famous Blast Off DX Net, and his encounter with the legendary Q.R. Zedd. How time flies when you're having fun.

Blast left Oklahoma a broken man in August of 1981, readers may recall, when he was bested in a duel for an XZ contact by Zedd, whose bolt of rf melted the Blast DXmobile in the process. Many readers first became aware of Zedd's presence in central Oklahoma with that report.

Well, Blast was back again recently, and we are happy to report that stories of his demise have been exaggerated. He drove through Norman in a semi-trailer DX van, a converted Trailways bus for the head and a conventional C5A fuselage for the radio room behind.

"My plan," Blast told a group of Norman amateurs lucky enough to visit him in his mobile rig, "is to drive to St. Maarten and operate the CQ Worldwide with W5NUT and his pals, then hit another six or eight islands between early November and Christmas, and be back in the Pacific Northwest in time for New Year's, when as usual I will have 25 new ones on my net to start off the year right."

Asked how he planned to get his mobile rig to St. Maarten and the other islands, Blast said he would drive every mile of the way. Informed that there is ocean between Florida and most of the islands he had mentioned, Blast explained that he had recently perfected an underwater tractor drive and high-fidelity periscope that would allow him to drive through most ocean areas.

"Of course I wouldn't risk the mid-Pacific trench," Blast said. "But I ought to be able to make it to islands in the Caribe without difficulty. By the way, does Zedd have any DXing plans this autumn?"

As if on signal, the door opened and the great Q.R. Zedd strolled into the trailer. He was curiously devoid of ham gear, but his nubile, blond, 19-year-old QSL secretary, Tondelayo Schwartz, was close behind him with a two-meter rig, a KWM-380, a 450 machine and an EME antenna array cunningly stowed inside a darling pink backpack. Her Candies clattering, Tondelayo made straight for a leather couch in Blast's trailer and dropped onto it.

"Whew!" the darling girl sighed. "That stuff is sort of heavy!"

"Don't complain, Tondelayo," Zedd told her sternly. "It's not like you had had to carry it all that far."

"I know," Tondelayo said. "It's only a hoot and a holler in here from the ranch."

"Little exercise keeps you in shape," Zedd added.

"You're such a darlin' man," Tondelayo said with great feeling. "You ALWAYS think about my welfare."

"Go stand outside," Zedd told her. "Bill and I plan to have some man-talk."

"Yes, sir," Tondelayo murmured, and hurried outside again into the evening.

"You hadn't ought to send her out like that," Blast told Zedd through the smoke of his cheroot.

"It won't hurt her," Zedd replied. "It ain't raining that hard, and she's got an umbrella."

"If you were a gentleman, Q.R., you'd make an honest woman of her."

Zedd looked up, hawklike. "Honest woman? Listen! That girl is already as honest as the day is long! I've never heard of her faking a QSL or anything like that! Why, just the other day I heard her miss some CW, copying along about 75 words a minute, and she didn't blame QRM or anything, she just said she missed it. How honest can you get?"

"I don't think you caught my drift," Blast said.

"I guess not," Zedd admitted. "Let's talk DX."

"I guess you worked that Vietnam station a week or two ago?"

"Only on eight bands," Zedd said.

"How was the signal here from the latest NASA deep space probe?"

"Oh, not too bad. Of course I had an advantage, having designed the equipment in my spare time."

"Let me take you into the back van and show you my mobile station," Blast suggested.

Zedd stifled a yawn. "Thanks, Bill, but that appliance-operator stuff always bores me."

Blast's face reddened, showing that the great one had scored at last. "Listen! That so-called appliance back there is a totally homebrew setup capable of running 300 watts into the linear on any of thirty bands."

"Izzat so?" Zedd asked, stuffing shag tobacco into his meerscham. "You must have used that new chip I designed for Motorola."

"I'm driving from here to St. Maarten," Blast said, abruptly changing the subject. "I plan to hit quite a few islands."

"I hope they don't hit back," Zedd said. "Yuk yuk yuk."

"Last week I worked --"

"Yep, heard that. Took you three calls, didn't it?"

"In the last VHF contest --"

"You did real good, Bill. Beat me fair and square. Of course I was using a handi with a dead battery in it."

"Battery? You mean we were allowed to use a power source besides rubbing your shoe soles across the wool carpet?"

Zedd scratched a match and lit his pipe. The van instantly filled with acrid smoke. Blast's alarm system went off and two fire trucks appeared within moments. Blast tried to explain that it was all a mistake, and got a shot of hydrant water in the face for his trouble. Zedd, Tondelayo in his wake, vanished into the night.

"I'm going to get him," Blast snarled as he received treatment in the emergency room. "Some way. Some day. I'm going to get him. There is only room at the top for one, and as long as a few deluded souls think he is a greater DXer than I, I will know no peace."

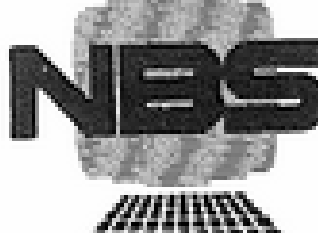
When last reported, Blast was motoring across northern Florida, and was expected to be nearing St. Maarten by press time. Zedd, meanwhile, said he planned to sit out the contest.

"Tondelayo and me plan to visit my momma," the great man revealed.

Whether the visit to Momma Zedd's place near Mena, Ark., portended possible bells of the kind Bill Blast had suggested, only time will tell.

-- KU5B

WANTED: TS120 and AC power supply. Have a Galaxy Five with AC supply to sell or trade. Virgil, W7JTG. 721-8411.



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Art Roberts W1GOM
Emergency Coordinator

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4600 N. EASTERN, OKLA. CITY
EMERGENCY OPERATING CENTER
NET: EVERY MONDAY EXCEPT MEETING NIGHT
146.34/94 REPEATOR AT 9:00 PM

ARES DIARY

- Oct 1 - W1GOM appointed EC.
- Oct 7 - American Red Cross requested assistance in Midwest City. Chemical fire caused evacuation of $\frac{1}{2}$ square mile area. Relocation in MWC Community Center and National Guard Armory. Amateurs were stationed at the fire scene, Community Center, Armory, ARC and MWC Hospital.
- Oct 8 - Operation continued until families allowed to return to their homes.
- Oct 16 - SET 1982: Oklahoma State Civil Defense Agency requested our use of their facilities to contact the CD Directors around the state. Replies started being received immediately.
- Oct 17 - SET 1982: Operation continued for a total of eight hours on the air time. 55 messages sent and 35 received.
- Some of those that helped on Oct. 16-17. K5HLZ, W5NZS, W1GOM, KD5DL, K5GDL, K5VVD and KA5CXW at W5LOW. I'm sorry I missed the other stations that participated.
- Oct 18 - ARES Meeting: The SET was discussed. Future projects mentioned include: An operation Santa Clause for children at various hospitals. Notifying area nursing homes of our capabilities and how to get in touch in an emergency. We also went over our normal operating activities.

SET 1982

W5REC	Ray	Enid
W5VXU	Mike	Altus
W5AIP	Ford	Norman
KD5CP	Jim	Collinsville
KD5KV	Bob	?
WB5YTO	Mark	Rush Springs
WA5UJF	Chuck	Enid
WB5IMO	Joe	Vinita
WA5OUV	O.C.	Logan
KC5OU	Harry	Vici
WA5VTH	Richard	El Reno
K5CXP	Al	Midwest City
W7LLP	Abe	Ada
WD5JCE	Eldon	Atoka
WB5UBB	Bob	Holdenville
WB5CPA	Clyde	Washington
WD5SZP	Bob	Bartlesville
KC5FM	Lloyd	Pryor
W0DXA	Doug	Tuttle
K5WUF	Dale	OKC
N5EDT	C.Y.	OKC
KA5CXW	Fred	OKC
W1GOM	Art	OKC
W5LXH	Ray	Shawnee
WB5ZBA	Earl	Tecumseh
KD5JR	Bill	Woodward
WD5ETB	Winston	Cement

Anyone needing information, or wishing to join ARES, please contact W1GOM, on the air or Work 947-0162 or Home 947-5347.

Everyone is welcomed to check into the ARES training net on Mondays and to attend our monthly meetings.

de wlgom



RAY MILLER, W5REC

ASSISTANT SECTION COMMUNICATION MANAGER

(EDITORS NOTE: This first paragraph was re-written after the death of Leonard. The rest is a message from Ray Miller, W5REC, who was the Assistant SCM.)

If anyone has sent anything to Leonard, W5FSN that requires his action, it will not receive attention for some time. Should its importance necessitate, please resend it to me at: 1817 E. Ash, Enid, OK 73701.

I do not have the Section Records at my disposal. Bennet Basore, W5ZTN the Section Emergency Coordinator and a host of others are helping. I really appreciate that help! Should you wish to talk with me about anything, my schedule is: 3900 @ 5 PM, 3850 @ 5:30 PM, 3933 @ around 0000Z, 3985 @ 0100Z, 3989 @ around 0215Z, 3935 @ around 9:50 PM.

A couple of good things happened in September. H.R. 5008(H.R.3239) passed and the President signed it into Public Law 97-259 on the 13th. Now, we'll see when and how the Federal Communication Commission executes it. Ray Wangler, W5EDZ our West Gulf Division Director, and his XYL Jeanine visited the affiliated clubs in Tulsa and Enid. A fine time was had by all and we appreciate Ray and Jeanine taking the time.

OKLAHOMA NET REPORT FOR SEPTEMBER, 1982:

NET	SESSIONS	QNI	QTC	WEATHER
EATWN	32	253	4	
NON	30	507	142	
NWOTN	13	152	6	
OFON	22	261	43	
OLZ	30	172	84	
OPEN	4	204	5	
OTWN	26	408	342	306
STN	26	414	88	
QCWA #63	4	150	22	

Welcome to the Eufala Area Traffic and Weather Net (EATWN). Happy Thanksgiving to each of you.

NOTES: Did anyone work H44R during the CQ-World-Wide? This was a multi-single effort by H44SH and H44DX...hopefully they did well, because they have lots of QSL cards...HI...You may QSL direct to AD1S if you need it. Watch for the QSLs from KC6WS, KX6OS and AD1S/KH0 in about two weeks...if I can believe the printer. See you at the next meeting of OK-DX! Bring a friend...or Chuck, or Henry, or Bill, or.... de AD1S.

FOR SALE: OMNI-C with sideband, CW filters, external VFO, deluxe supply. Less than 1 year old. Guaranteed, like new condition. A \$1900.00 value - will take \$950.00. Tom Thurston, KA5EHN, 799-1136

FOR SALE: TS-52S with remote VFO and 2 meter transverter. \$600.00 or will sell separately. Gene, K5FQ 672-4091

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Everyone forgets sometimes but RED on your address label may cause a red face if you want to continue getting C&E.

GREAT PLAINS A.R.C.

On October 5 the GPARC meeting was called to order with 18 members and guests present. The treasurer's and secretary's reports were read and approved.

N5CCV stated that the Coldwater picnic at KØCIO's and XYL Eleanor's was lots of fun. Everyone agreed and we are eagerly waiting for next years picnic!

KØCIO committed that the club owed WA5PLW a debt of gratitude for all the work he is doing on the repeaters at which the members gave Windle a hearty round of applause. WA5PLW reported on the current status of the repeaters. He also requested that the nets on 147.12 be held a little shorter out of consideration to WB5EDD.

Novice classes are again starting up on October 7. They will be every Tuesday and Thursday at 7 P.M. in the Civil Defense room of the Woodward County courthouse.

Our annual Christmas Party will be December 4 at K-Bob in Woodward, Ok. We will start gathering at 6:30 P.M. for a good old fashioned gabfest with dinner starting at 7:30. Dinner will be the merchant steak at \$6.42 total, gratuity included. Everyone is invited so come join us for an evening of good food and lots of fun!!!

N5CCV reported that he has been elected as the Northwest Oklahoma Repeater Society Coordinator. He invited members to join explaining what the organization is all about.

Due to an election falling on our next club meeting date the members present voted to meet next time on November 9 at the same place. All are invited.

After the meeting adjourned most regathered for our after meeting meeting at the Pizza Hut. We had lots of good food and companionship.

OTHER HAPPENINGS

WA5PLW is in the process of straightening a crooked tower with the help of WB5EDD, WBØPGD and PGD's son Carl. According to my sources they decided to try straightening it with a dozer! WBØPGD was on the tractor with WA5PLW offering guidance with "A little more, a little more, a little more...." You guessed it, there was one to many "a little mores"! I understand

Ron didn't even look at Windle, he just drove the tractor around the corner and parked it!

Gerry, formerly KD5RL has his new call, NC5C. He promises faithfully not to change calls any more!!! Congratuations Gerry.

KØCIO and WBØPGD took a load of necessities to Larry's son who is in college in Denver, Colo. While there they visited Golden, Colo. and had a snowball fight while the rest of us were down here baking! They said there was only one thing missing however. They needed a direct pipeline to Golden!

Fourteen of the GPARC group journeyed to Beaver for their hamfest. As usual everyone had a good time with lots to look at and buy. The ladies program on glass engraving was excellent and as usual the tables were loaded with the covered dishes! I do believe you would have to go some to beat the cooking of the XYL's! This was the first gathering we have got to wear our new club jackets to as a group, and if I do say so myself, all those yellow jackets sure looked sharp!!!!

GPARC and all of the amateurs on Northwest Oklahoma were saddened to learn of the passing of Leonard Holler. We will all mourn a great man.

Lance N5FEN and XYL are the proud parents of a brand new bouncing baby boy! Congratuations on the new addition to the family. The proud grandparents are KB5XI and XYL Joy. Would it be possible to have three generations of amateurs!

We pulled another one over on WBØPGD. Wednesday was his birthday so NC5C and family and KB5XI and family came out to help him celebrate. What he didn't know is that it was a decoy. The surprise party was planned for Saturday evening. WA5PLW kept him busy all day working on the tower while part of the group started gathering at the house. Even when he got here he just thought they were here to visit and I had to tell him "Ron, this is your birthday party, Wednesday was a decoy!" You should have seen his face, total surprise! When every one got here we had a group of 27. We grilled hamburgers with KØCIO and KB5XI again the chefs. They did a super job on the burgers. I want to thank everyone for all the help and hard work. Till next month - 73 Carla WBØQGW

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AERONAUTICAL CENTER AMATEUR RADIO CLUB, INC.




W5PAA

OCTOBER MINUTES ACARC

President Rob, AAØO, brought the October 1st meeting of the ACARC to order at 8:05pm with 29 members and guests present. After the self introductions Rob recognized Jim Ashmore as a new member.

Don, K5SJV reported CORA has elected new officers and requested that the ACARC decide which work committee it would like for Ham Holiday 1983. A motion from the floor was made and carried that we would take the facilities again next year.

Old Business - The ACARC's support of a local 220/440 repeater is still uncertain, however Rob suggested that a committee be appointed to study the idea. The ownership of the generators and trailers belonging to the ACARC was discussed. These items are currently in possession of the VHF Club for use by the Red Cross.

New Business - A nominating committee is being formed to suggest officers to run the club in 1983. If you have a desire to serve as an officer, please contact any of the current club officers or members of the nominating committee when those names are announced.

At 8:35pm Rob gave the floor to Art Roberts, W1GOM delivering an excellent presentation on the OKC fire departments VHF/UHF communication network. Art had come to our meeting from the OK fair grounds where he had put in many hours manning the emergency control center. Thanks for taking time to educate us Art.

At 9:05pm Rob adjourned the meeting for coffee and doughnuts.

Jim Seignious, WB5UHW
Secretary, ACARC



Club
NEWS

VOLUME
The Oklahoma Central VHF Amateur Radio Club

MINUTES OF OCTOBER MEETING

Meeting was called to order at 8:00 P.M. by President Steve, W5VCJ, with 16 members and guests present.

Plans were announced for a campout and weekend weiner roast at Little River State Park (Lake Thunderbird) November 20 and 21.

Plans for Simulated Emergency Test were announced by C.Y., N5EDT. It is scheduled for Oct 16 and 17.

By-Law revision was discussed. The officers and directors have prepared a revised set of ByLaws, simplifying them, and making them more closely related to the scope, size, and purpose of the Club. Bob, W5HXL, read the proposed revision and a motion was passed that it be voted on at the November meeting. The Secretary will publish the proposed revision in the November C&E.

Meeting adjourned at 8:28 P.M. Joe, K5JB, Sec'y

WHAT'S WITH THE LITTLE TYPEFACE?

Well you see, I thought that since we were going to print some serious stuff, the By-Laws, and all, we should have some serious looking typeface. Besides, if the By-Laws are adopted without too many changes, we might even be able to use this copy to run off some extras. Howzat for some space filler? K5JB

ARTICLE I - NAME

The name of this non-profit organization shall be OKLAHOMA CENTRAL VHF AMATEUR RADIO CLUB, hereinafter referred to as the "Club" and incorporated under the laws of the State of Oklahoma.

ARTICLE II - OBJECTS

The objects for which the club is organized are:

1. To provide a common ground for educational instruction, exchange of technical and other information relating to amateur radio and fellowship among the members.
2. To provide emergency communications, as a public service, to the American Red Cross, agencies of the government and other organizations.

ARTICLE III - MEMBERSHIP AND DUES

Any licensed amateur radio operator shall be eligible for membership and, upon payment of any required dues, shall become a member.

The amount of dues for the ensuing calendar year shall be determined by a majority of the votes cast at the last regular meeting of the year.

ARTICLE IV - GOVERNMENT

Government of the Club shall be vested in the elected officers, who shall be President, Vice-President, Secretary and Treasurer, whose duties shall be as their titles, by general usage, would indicate.

A vacancy in the office of President shall be filled by the Vice-President. Other vacancies shall be filled by a majority of the votes cast at the next regular meeting.

ARTICLE V - MEETINGS

Regular meetings shall be held at the place, date and time as determined by a majority of the votes cast at a regular meeting.

Special meetings may be called by any officer, for any purpose, provided the membership has at least five days advance notice of such a meeting and its purpose.

A quorum of at least 20% of the current membership shall be required to vote on the expenditure of Club

WHERE DID THAT SPACE COME FROM DEPT.

They say white space increases readership but this is ridiculous...Robby, AA00 sez "divide the quantity of the sums of the square roots of the forward and reflected power by the quantity of their differences, get SWR"

* NOTICE *
* for those who didn't know about *
* the Watermelon fest *
* because they couldn't find it in *
* the C&E... *
* THE CAMPOUT AT *
* LITTLE RIVER STATE PARK *
* WILL BE NOVEMBER 20 AND 21 *
* (Check with WA5JGU or W5HXL for details) *

SMALL TIP DEPT.

I discovered how to make coax and other things really secure in their attachment to tower legs, antenna booms, etc. and not be affected by the weather. Aluminum foil insulation tape, available from Sears can be cut into strips and used over filament tape to prevent weather deterioration. Idea from DB Products...K5JB

BY-LAWS

funds, or the commitment thereof, if the value, or amount, exceeds \$25.00. The President, or any two officers, may approve expenditures up to \$25.00.

Roberts Rules of Order shall be the authority of procedure at meetings, when not in conflict with the BY-LAWS.

ARTICLE VI - CLUB PROPERTY

A quorum of at least 20% of the current membership shall be required to vote on the acquisition or disposition of any Club property. Approval shall be by a majority of the votes cast at a meeting.

ARTICLE VII - CLUB STATION

The Club station shall be under the supervision of the Trustee, who shall be appointed by the President and approved by a majority of the votes cast at a meeting. The Trustee shall hold a General Class, or better license. Operation of the Club station shall conform to the F.C.C. Rules and Regulations and Club policy.

ARTICLE VIII - ELECTION OF OFFICERS

At the first regular meeting in the calendar year, the presiding officer shall conduct an election of officers to serve for the year. Nominations from the floor shall be taken first for President, followed by a vote, then nominations and vote for Vice-President, Secretary and Treasurer, in that order. Votes shall be cast by secret ballot and the candidate in each race receiving the most votes shall be elected. Those elected shall assume office immediately.

ARTICLE IX - AMENDMENTS

The BY-LAWS may be amended by first proposing such amendment at a regular meeting, in the form of a motion, approved by a majority of those present, that it be submitted to the membership for adoption.

The membership shall be given advance notice that such amendment will be voted on at the next regular meeting, at which time it shall be read and a vote taken. The votes shall be cast by secret ballot and a two-thirds majority of the votes cast shall be required for approval. If approved, the amendment shall become effective immediately, unless otherwise provided for therein.

Proposed October 15, 1982

Revised , 1982

THE PRODIGAL COMPUTER PROGRAMMER

I can't believe I am sitting in front of this keyboard and can't think of anything to type!

For the last several days I have been writing and testing terminal software (no, not a "dead" program; a program for a computer terminal). It involved typing some code at the computer keyboard, typing some text, going to the ham shack to see what appeared at the terminal, typing something back to the computer, then going back to the computer and see what it has on the screen. There has been enough text sent back and forth to fill three of these pages, not much of it worthy to print I'd say!

The old model 19 is looking pretty sad these days, watching all my antics.

I promised that old machine it would never be replaced by a computer. I even told it I loved the sound of it's chunky chunk, the smell of oil, and the ink on my fingers from maintaining its ribbon reinker. I reasoned that there was no substitute for that fine old machine which could print a picture of the last supper four feet wide and a foot and a half high, with nary a hit.

But then I found out about Epson and its hum-hum and snickity snick. I haven't introduced it to Mister Green Keys yet. I am a bit afraid to. So to postpone it a bit, I put it in the other end of the house with the computer and set up an innocent looking boob-tube with keyboard in the ham shack.

A couple of years ago you couldn't have given me a computer (well, that's probably an exaggeration) because I had enough experience with them at work. The light stuff could be handled by the HP-25, the heavy stuff could be run off at work. I had enough experience with the EBKA Familiarizer and the Motorola 6800 Evaluator to satisfy my base curiosity of microprocessors. Man, I wanted to get on the radio and talk about radios, not computers! I would listen to my buddies on 20M swap computer stories and yawn so loud my Model 19 would unravel its paper tape.

Well, that was before my boss dropped an Apple off at my office and said "See if you can't slicken up your act with this!"

The next time I went to Washington, I had a conference with Hoss, WA5ZAI, (who is holding up one end of the Pentagon these days). He salvaged the situation by fixing me up with some CW/Baudot/ASCII code reader & code sender routines...good ol' Hoss. Because of his reinforcement, I had to come up with another machine of my very own 'cause you can't play with CW/Baudot/ASCII code reader and code sender routines at work...uh huh.

Well I was never one to leave well enough alone. I always had a lot of curiosity and had to know what made things tick. Before long, Apple and I began to know each other fairly well. Thanks to my previous experience with the EBKA, the 6502 instruction set was not completely foreign and the Apple's monitor was well documented. It wasn't long before I had the Apple doing some simple tricks.

At this point I was reminded of my first experience with digital integrated circuits, like, "what the heck do you do with them on a radio?" Well, you send code, of course.

The first thing I did with the Apple was send code, of course. Then I got an accessory card that contains a Z-80 processor. What was the first thing I did? Send code, of course.

In Microsoft Basic supplied for the Apple there is a function, "BEEP". what else could it be for but to send code, of course.

Well, at this point it looks like I have a lot to learn if I am really going to make use of the capability of these things. Most users are able to effectively use the little computers because of the tremendous variety of software already available to them. I guess my attraction is still curiosity. Besides the 6502 instruction set that I am slightly familiar with, I have the Z-80 instruction set, the CP/M and Apple DOS, Applesoft Basic, Apple's Integer Basic, Microsoft Basic, Pascal, Fortran, and even, Cobol, to experiment with. That ought to keep me off the streets for a while.

What I would really like to do is hook the thing up to this typewriter. It is not practical because of the solenoids, etc., that have to be installed before any thought even goes into the electrical interface. There are electronic typewriters available that already have the controls installed, requiring only solving the hookup problem. For example, I think I can get my hands on a machine that used to be driven by a WANG computer. I might take a crack at it if I had the foggiest idea how WANG thought it ought to be done. It is an IBM machine and would use my type balls. It seems a shame to tear out all the electronics just to substitute my own. Buying a kit is out of the question. They cost nearly as much as a good printer like the Smith Corona.

From a superficial observation of computer owners obsessed with computer games I formed quite a negative opinion of the things because of the tremendous time that can be wasted. I am changing my mind after becoming obsessed with some of the programming and the "creeping elegance" of the unfinished programs. Time is not wasted that is spent in such recreation any more than time spent enjoying a good football game on television (you mean they don't have those things anymore?).

The only thing I regret is the Babel of languages that causes the operators to be split into separate groups. Ellard, W5KE, said that what he would like to see is a program to perform Smith Chart calculations. I agree, and it wouldn't be too difficult to do. The problem is how to do it so that the results would be of most benefit to others. Maybe the Microsoft Basic-80 would come closest to the language understood by most machines since it is supposed to conform to ANSI standard Basic. What I don't know is how the TRS computer dialects would handle it. I think I'll give it a try and let one of you convert it. Joe K5JB

PORTABLE OPERATION, FIRST CLASS

This fall, I didn't even pretend to go to Colorado to hunt. I went when the Aspen trees were scheduled to be in their glory, and they were! In fact, I didn't even bother to make the fourteen hour drive this year. I just packed up the airplane and flew, even with fierce headwinds making the trip a five hour one.

Radio equipment had to be pared down a little to get it in the baggage compartment, along with the boots, woollens, etc. The biggest problem has always been the husky power supply needed to run the 100 watt HF rig. This time I bit the bullet and took my 20 pound supply brought home from Dayton some time ago. My friend Bob, who generously shares his cabin with us agreed to let me store some of the supplies at the cabin so the power supply, antennas, cables, etc. are there and waiting for next time.

The K5JB/Ø station was on the air in less than half an hour of set-up time this year and many enjoyable hours were spent with Fred, W5NL, Bob, W5HXL, the gangs in Dayton, Omaha and Washington D.C. I think I am finally getting this port. thing civilized. Now to build some replacement antennas to carry in the car. K5JB

Shawnee Amateur Radio Club



W5SXA

The greatest satisfaction one has is of helping others. This is a definite part of Amateur Radio. The Shawnee Amateur Radio Club feels a special satisfaction in being a part in helping the science class of Bethel school. Our hats are off to Mrs. Gaines for her untiring efforts to see a dream come true. The Amateur station, for which she has worked so hard, will be a teaching aid for many years to come. I wish all the teachers in our school systems re-guarded their teaching responsibility so highly. Mrs. Gaines teaches 6th grade science.

A couple of years ago the club set up an Amateur station at the Pottawatomie County Fair. Mrs. Gaines came by the exhibit and the dream began. We were asked to come to the school and set up and demonstrate amateur radio for the science class. A novice class followed at the school. Mrs. Gaines and two of her science students finished the class with a novice license. She then set out to raise money for an Amateur rig. She raised \$800. and bought an Icom IC730.

As County E.C. I had to come up with an S.E.T. drill. What better way to drill the county Hams than to work together to set up a complete amateur station and then put traffic in to the state Civil Defense from that station.

The drill accomplished several good things. We were able to set up a land mark amateur station in our county. We were able to drill in working together and were able to do our part in the communication network that the State Civil Defense is trying to set up. The school system does have an underground class room network. Although the science class is not in this underground system, it does put an Amateur station in the school system. Our plans did not completely materialize, however, we did get the antenna system completed. Mrs. Gaines was out of state and we did not put the traffic in to the Civil Defense network from the school. Hopefully, we can utilize this capability at a later date.

The Shawnee Amateur Radio Club would like to thank Mrs. Gaines and her science classes for the big boost to Amateur Radio and to offer any services to the operation that we may render.

After the work at the school, Herb W5TQZ, Jim KA5FBC, and I (Earl WB5ZBA) followed Jerry N5AUP home and helped with his tower raising.

I talked with Gloria WA5FOX and Sigurd DL2HI/W5 at the meeting the other night and I believe we could all take DX lessons from Sigurd. Maybe if we oiled up our keys the DX would come easier.

I have heard a lot of talk between John WB5ONL and David N5GGZ about aircraft building lately. I expect to hear John call the Tuesday evening net "Aeronautical Mobil" any time now.

The next regular meeting will be the election of officers. Your vote can only be counted if you attend the meeting but you do not need to be there to be elected to office. The meeting is Nov. 9, 1982.

73 and be nice to one another.

Earl Couch WB5ZBA

+++++



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OPERATION WATCHDOG WRAP-UP

CORA and the local amateur community can be proud of their work at the fair this year. A total of 106 amateurs and an almost equal number of REACT members responded to the call. There were an assortment of 116 individuals ranging in age from three years to 80 that needed assistance. Also four medical calls, numerous request for maintenance help. The police were summoned several times to intervene in fights, ect. A side light in the statistics was the fact that there were only six reported auto burglaries. According to OCPD this was a marked decrease.

To sum this all up. Prior to the fair. The police and fire departments did not really know much about us or what we were capable of, now they know and are very pleased. The youth bureau of OCPD hopes to have this every year.

* HONOR ROLL *

WA9AFM	N5ARV	KR8B	N5BEQ	N5BEV
KA5BJS	KB5BS	N5BWV	N5BWY	N5CCV
K5CFM	WA5CJG	N5CTT	KA5CWT	KA5CXW
KD5DL	N5DLM	N5DPZ	WD5DYI	WD5DYJ
N5DZW	WA5EAI	N5EDT	WD5EGB	N5EGW
N5EIH	KD5EM	N5ENQ	N5EPV	WA5ERM
KA5ERZ	KA5ESA	KA5ETA	N5EWF	KA5FED
WA5FLT	K5FQ	KA6FSN	WA5GAM	K5GGL
K2GKK	W5GKX	K5GL	WA5GOI	W1GOM
KD5GP	WB5GSZ	K5HTF	WA5HTL	N5IH
WB5IMT	WB5ISO	WD5ISS	K5JL	KA5JLA
WD5JNT	KH6JTE	K9JTW	KH6JUM	KD5KU
K5LDI	W5LII	W5MEL	KA5MMN	KA5MYI
AE5N	KA5NAV	WB5NDO	KA5NUP	WN5NWV
W5NZS	AA00	W5OEC	KA5OEH	K5PER
WB5PNH	W5PTZ	WB5PWZ	WB7QIN	K4QT
KG6RH	W0RNZ	AD1S	K5SJV	WB5SQC
WA5TAR	WA5TAW	K3TJD	WB0TXR	WB5TYW
W5UAE	WB5UBB	W5UGM	WB5UHW	WB5UIY
WB5VBE	K5VRL	K5VVZ	KX5W	K5WUF
KB5XM	KB5XN	K5YAQ	WA5ZNF	Jane

Many thanks go to all who participated in Watchdog. A special thanks go to the crew that helped plan and coordinate the operation. These include: K5VRL, KA5CXW, AA00, K5YAQ, K5SJV and W1GOM. An outstanding job of net control was handled by KA5ETA. Jane, XYL of W1GOM, put in many hours being runner, coffee maker and gofer. She also put up with the OM living at the fair for ten days. Thanks!!

wlgom

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AVIATION AIRCRAFT.

EXPERIENCE IN GENERAL AVIATION
AVIONICS PREFERRED - - BUT NOT
REQUIRED

NEXT MEETING: 16 November 1982

The November meeting of Oklahoma City Autopatch Association will be Tuesday 16 November at 1930. Our regular site at the Fire Department Training Center on North Portland Ave. will be used. The entrance is at the rear of the building. Mr. Ken Crawford of the National Weather Service will present a special program. This is NOT about severe weather.

The VHF systems should be back up to snuff by the time you read this. We have been plagued periodically by water in the feedline above 650 feet for almost a year. Larry (WB5NYX) has spent many hours on the tower searching for the entry point(s). He found several places where vibration of the tower had literally worn holes in the feedline. These were repaired and sealed. The water leaks had contaminated the connector at the 650 ft. level and a new connector was installed. Thanks a lot, Larry. Let's hope that was the last of the leaks!

The Texoma Hamarama was favored by absolutely beautiful weather this year. It appeared that attendance was somewhat low this year. Dealer participation was way down from past years. The flea market was also small, but it seemed to me that quite a lot of stuff changed hands. I got lucky and found the specific items I was hunting.

The Hamarama organizers had some difficulties this year, but they are aware of those trouble spots and should correct them for next year. A large portion of the problem seemed to be due to a lack of continuity. The same type of thing could easily happen to CORA and Ham Holiday. There is a definite limit to what a few people can accomplish by themselves. The big question is, "How long can they (or will they) continue to do it all?" More help is always needed and always welcome in big projects such as Ham Holiday. This help has to come from you!

Although OCAPA is specifically set up to support its repeater systems, our members enjoy many other parts of ham radio, such as DX, computers, and many others. One of the most challenging areas, and one that is seeing a slight upswing is mobile HF operation. VHF and UHF channelized FM installation and operation is even simpler than that of the Citizens Radio Service. It's a lot of fun, but where is the challenge? The toughest part is to convince your spouse (and yourself) as you drill a hole somewhere on the car's surface. (It only hurts a little)

Going HF mobile demands thought, research, study, work, testing, changing, testing, etc., to put out an effective signal. It was frustrating (often) but rewarding to get it all going right. Modern rigs which operate directly from 12 VDC simplify installation tremendously. Antennas and matching them to 50 Ohm coax are simple, once you find out how. Best of all, there is no "fillibuster timer" to cut you off in mid-sentence. Try it, you'll like it!

I close this month with a very sad note. WA5FSN, Leonard Hollar, ARRL Section Communication Manager for the Oklahoma Section, became a Silent Key on 21 October. Leonard was a true gentleman whom I was proud to have as a friend. He served the hams of Oklahoma with honesty and devotion to the highest ideals and traditions of amateur radio. Only his passing from us ended his deep commitment to improving our skills, knowledge, and service to the community. Leonard will be greatly missed and fondly remembered.

My best regards until next month,

Mac, K2GKK/5

FOR SALE: Two almost new Cetron 572B tubes for SB-200, Clipperton, etc. Bought new for spares, tested, then I sold linear. \$60 firm. Mac, K2GKK, 672-4947.

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Salem

SOME ICOM 2AT NOTES OF NOTE-CLUB EXCHANGE

Joe K5JB delivered some exchange publications just in time for this issue of C & E. He told me they were from our peerless leader Joe WA5ZNF and was passing them around. I do not know if this was a hint, but I will admit that my material needs to pick up a little, but because of time constraints, not this month. For some time now, I have been wanting to put together an analysis of the new Communications Act Amendments. These are very significant changes and the language drafted into the legislative history is very complimentary of amateur radio. In fact, I got a copy of the Congressional Record for the House of Representatives shortly after the passage of the act. All the amendments and their legislative history consume about 30 pages of the CR, probably one of the better uses made in recent history. Anyway, maybe in a month or so.

I find a few items of interest in some of the exchange papers. For example, the names of some club papers are entertaining right off the bat. While I don't mean to suggest that Collector and Emitter as a name for a Newsletter is not just downright clever (I think it is especially true in view of our multiclub format), some of the other names reflect on geographical locations, club initials, or technical bent. For example, the Pittsburgh Repeater Organization publishes the PRO-crastinator. (This is a not inappropriate name for my ramblings as I sit here at 6:00 in the A.M. chunking away). Our friends in Enid publish the A.R.C. Light. It usually generates some heat and light. The Pikes Peak Radio Amateur Association publishes ø Beat as in "right on." Sniff. Clever, fellows. Must be that thin mountain air and all that euphoria stuff. The Anchorage ARC, however, is the publication of the Anchorage Amateur Radio Club and that simple title truly does indicate that people in cold weather might not have much of a sense of humor especially when trying to stay warm. Since the days are so long in Anchorage, I am not sure if weekly or monthly publication would be appropriate.

There seem to be an active association of amateur radio operators in Colorado as the Longmont Colorado Amateur Radio Club publishes a newsletter called Splatter. Another clever name. That's two in the Mountain country. Another good name is used up in Colorado by the Rocky Mountain Radio League, Inc. with their newsletter called QRZ, although KU5B tells me that that is a proper name. I think that Colorado is getting dangerously close to the edge.

Another radio oriented name is that of the TRW Systems Group Amateur Radio Club and their monthly publication called Cross Talk. Good name fellows, though I wasn't sure if Joe had slipped in a religious tract on me when I first saw the publication. Two things tipped me off right away. The first was the call letters of the Club Station W6TRW. (I wonder if these people got their call letters out of Indianapolis, there had to be a payoff for that one someplace. It would occur to me that these call letters for that club was more than just the potluck that every one else enjoys. Your right, I'm jealous).

The Tulsa Repeater Organization publishes the TRO S S S S S SIGNAL (Got to have at least six S's there). This is a rather pleasant little newsletter that comes from the other end of the Turnpike. Good Graphics and good quality paper. Lots of membership news and war stories. Nothing technical in any of the issues I scanned although these might not be a representative sample.

The San Fernando Valley Amateur Radio Club, Inc., publishes the W6SD Carrier. (How did San Diego's Radio Amateurs let that call get away from them?) While I know that a Carrier is medium for transmitting information, I am sure that the use of any carrier in these days of SSB Suppressed Carrier creates some interference. Maybe that should be changed to Carrier Oscillator. Or for a more even editorial discussion, perhaps they should call it Balanced Oscillator. Come on guys, let's get with the program.

The Detroit Amateur Radio Bulletin publishes the Dara Bulletin. This is just asking for trouble because for years and years, I thought DARA was the Dayton Amateur Radio Association. Fortunately, our friends in the motor city spell out their full name on the front cover. I also don't understand where the name of the PHD News, the publication of the PHD Amateur Radio Association, Inc., in Liberty, Missouri. I don't really have time to read all the way through the magazine to find out if that is a special name or was selected at random.

Most of the club bulletins concentrate heavily on local news and leave the technical stuff to other publications such as 73 and Ham Radio. Some of them, however, publish some of the simplest and best explanations of certain types of phenemenom that I have seen. The local "expert" will take the time to write something, but usually doesn't have a lot of time. One example of this is a series of articles on antennas and radio propagation that have appeared in the Raleigh Amateur Radio Society Bulletin and written by W4YZX. In the limited space of one page I have seen him boil down the rules of propagation and simple explanations of beam antennas. Don't know if he makes this stuff up or reads it out of books, but it sure is interesting.

One club mixes in political philosophy on economics and politics with their club news (No, it is not the publication of the John Birch Radio Club). I have been known to do the same, so I am not sure that I will criticize. I generally acknowledge political realities and economic limitations, but try to leave that stuff to James Kilpatrick and William F. Buckley.

The Tampa Bay Repeater Association publishes a nicely done newsletter called QSP. I suppose every club has its idiocyncracies, but for some reason, they insist on using the word Gasparilla. I don't have time to go to the dictionary and sort that one out.

I guess what all this was leading up to was that I found a couple of articles in these magazines that update some information that I have written regarding the IC-2AT that I thought I would pass on. One is a mechanical modification made to a BP-4 (my interest was peaked because I have a BP-4) to allow the use of size AA nicad batteries. I credit the February 1982 issue of QRZ and Pat WDøFEX (It also occurs to me that all those guys who publish newsletters in ø land are doomed if they do not have a backspace key to catch the slash through the zero).

Pat found that on size AA nicads, that the plus terminal comes in two sizes. One has a longer plastic cover around the end of the terminal than the other. The BP-4 is made to take the smaller size. The batteries with the larger size fit fine in the holder except that the larger plus terminals would not take a charge in the battery holder. (Don't know what this means, need to go look at my BP-4). Anyway, the solution (for those of you who don't know the problem) is to take an exacto knife or other similiar tool and bevel the edges of the battery case where the battery's plus terminal fit in it. After completion of the modification, you should be able to fit both size terminals in the battery case.

The second modification involves apparent repeated

failure of Q8, a Buffer Amplifier in the transmitter. Apparently, static electricity throws this baby for a loop. I have heard of failure of this transistor from K5JB who jockeyed the values after replacing it with a 2N2222. This transistor acts as a buffer amp and doubler. One suggestion going around is to change the base-collector resistor and add a resistor from base to ground. DON'T DO THIS. The radio can be stopped cold. Also changing the values as recommended by this "fix" will indeed fix your radio because lowering the gain lowers the ability of the transistor to act as a doubler, thus interfering with the radio ability to come up on frequency. This is a definite don't do.

The solution (or at least helpful hint) is to jumper a crystal can to one of the nearby IF transformers. The problem seems to occur from static electricity zapping the transistor. Remove the back of the rig (after removing the battery pack) by taking out the flat head Philips screws on the battery contact. Also remove the two small Philips screws holding the back of the case to the front, and lift the back up and out at the bottom, sliding it down. Using the diagrams supplied with the radio locate L17 and X1 toward the bottom of the radio. Now solder a short piece of wire to L17's metal can. Now, carefully, solder this wire's other end to the crystal. Be very careful not to heat it enough to allow the solder on the evacuation hole to melt, if it does, the vacuum inside will pull the solder inside and ruin the crystal. Work fast, use a well tinned iron and avoid overheating like the dickens.

I am not sure why this removes the static discharge that bothers Q8, but another change was suggested by the Dallas office of Icom if more protection is needed. A 1N4148 diode may be connected with the cathode (banded end) to the base of Q8, and the anode to ground. The diode has reverse resistance in the meg-ohm range (don't use a junk box trash diode, buy it new in the flea market). When the diode is in place, the static charge is hopefully shunted to ground.

The jumper to the crystal should be installed anytime you open the case for whatever purpose. Once in place, it should be enough to prevent the static electricity problem. If you lose Q8, replace the transistor, install the jumper and try again. If you lose Q8 again, add the diode. I have not made this modification yet, so I assume that I am living on borrowed time. My 2AT failed the other day to put out power and I had been noticing for some time that it had some sensitivity to vibration. After it had gone into the failure mode, I suspected this transistor as the problem (this was before I read about the fix), so I dug into the radio and began troubleshooting the lack of output. The problem was much simpler than I thought when I found a cold solder joint in the antenna circuit. After I had replaced the connector on the antenna circuit and added a high quality BNC connector, I had soldered the antenna lead especially well. Apparently the mechanical stress of putting a cable on and off of the radio so that I could use the amplifier in the trunk cold worked the connector's other connection and lifted the wire from the PC Board. A couple of seconds of heat from the ole soldering iron solved the problem.

This should be a lesson that not all problems with the radios are complicated to fix. I get phone calls from people who occasionally ask me to fix their radios. Besides the fact that the amateur should have some skill in at least knowing how to take the covers off their radios, nobody gets any help from me unless they have made some attempt to fix it themselves. Besides, I have enough things around my house that need fixing or projects that need projection. There are three printed circuit prototypes for a repeater controller on my desk right now that are partially built up boards. The only one that I have completed is the touchtone decoder. My Bearcat 250 has been on the fritz for six months and I haven't had the time to look at it until just recently (very bad intermittent, can't locate the problem entirely yet). I have a

VHF HT-220 that has no receiver audio and hasn't has for about six months. My desk also has a partially built up Micor Audio Squeech circuit and PC card, a partially constructed Micor VHF receiver and a recently completed UHF Micor Receiver which still needs some finishing touches. A wattmeter just failed and my UHF HT-100 project has been on the blocks for months. Its little wonder I respond to a request for help with "Have you tried to fix it yourself?" Some projects are not in this category. For example, digging into the big complicated solid state transceiver is not really recommended without the proper test equipment and documentation. I have taken some of these on as a challenge, but you have to give up at some point and say, the factory needs to fix this. You must also be careful not to break something else while inside.

Sometimes the solution like the 2AT is quite simple. Sometimes, like the static problem, it requires a little more knowhow. Remember something else. You don't need to reinvent the wheel every time. I look for solutions by reading magazine articles on equipment that I own. I generally weigh modifications against my needs and decide if it is worth incorporation. Also, a good source of information is the International User's Group for Icom and Kenwood published about 10 times a year by N8RT. Although Bob runs the newsletters as a commercial venture, he solicits information from users and factory alike. It is a good method of keeping up to date although I wouldn't make many of the modifications that they recommend because I don't want to butcher my equipment. Sometime reading an article on modifications helps with the trouble shooting efforts later. Remember, this is a technically oriented hobby. Don't come to me with a Bash book asking me to fix your radio. Look at it first yourself. Oh yeah. A word of warning. Don't do that to K5JB either. I have seen him get violent on occasions. I know very few people who are not willing to help a fellow amateur with a technical problem, but only after you have given it your best shot. I have helped numerous novices with minor problems after they couldn't figure it out. Later, after upgrading, these people are helpful almost willing to help others. Just pass it along.

Micheal Salem N5MS

LEONARD HOLLAR WA5FSN-SILENT KEY

I was truly saddened to hear of the death of one of our most loyal and hardworking amateur radio operators. I have known Leonard for years and first met him at the revival of the University of Oklahoma Amateur Radio Club. Since that time, I have truly counted him as a friend. His unselfish giving of time and effort in the cause of amateur radio is well known. Goodness knows we are an independent and disorganized lot. Leonard's work as SEC and later as SCM has been instrumental in building emergency preparedness and enthusiasm for amateur radio. Leonard wanted to just get things done. He never seemed to quibble over the petty things, yet he was careful to make sure that everybody's views were included. His tireless efforts should have been more recognized before his death, but somehow, I don't think that it would have made any difference to him. He was an amateur's amateur, a radio operator for all seasons. And more importantly, he was a friend. I will miss him.

Micheal Salem N5MS



CORA COMMENTS

At first I was awed at the responsibility of being the president of such a large and important organization as C.O.R.A. Then when I looked back at the past presidents I could remember I saw:

George ADIS, past president: Very successful: 2 Grand Awards at "HAM HOLIDAY 82". Right after the convention he turns up on several tropical islands with some girl and getting on the radio bragging about it.

Chuck K5NK presided for 2 years, was able to oversee the move from Lincoln Plaza to the spacious MYRIAD where we could give our cookies to the ladies. Ham Holiday 81 was also the official West Gulf Division Convention. Chuck took care of the reservations and banquet plans for the ARRL PRESIDENT, and WEST GULF Director, HARRY DANNALS and RAY WANGLER. It all turned out very well. Chucky has been going to Old Mexico fishing every year since.

I never attended any of the meetings Mark WD5DYI conducted, but I do remember ham holiday 79". That was the first ham fest I had ever attended. I could see that a lot of work goes into coordinating everything that goes on, and he did a wonderful job. Next thing I notice MARK moves from his cheap apartment to a new home in the Village.

You darn right I can handle it. By this time next year, a bonus will have been decided on for me. In the meantime I am looking forward to an even bigger and better "HAM HOLIDAY 83". With the help of the CORA directors and the rest of the amateur community and the XYLs we can look forward to a bigger and better HAM HOLIDAY 83.

OPERATION WATCHDOG was a success both for the parents and for the public relations amateur radio received. CORA voted at the Aug. meeting to support an effort by amateur radio to give what public service support it could. Operation Watchdog was deemed quite a success. All of the credit must go to WIGOM Art Roberts and his xyl. Art brought the request to the board from the police dept. well impressed with our operation from the parking lots 2 years ago. We were all under the same impression. 3 weeks was just not enough time for us to prepare and do the type of job that was expected, but we also felt it was a good cause and the public relations would be beneficial to amateur radio. Art is now a TV star. All three TV stations picked up on the story and we did get much publicity and even on prime time. Thanks Art, and to all the others who pitched in and did what they could.

wd5jnt

The 26 October meeting of CORA was attended by representatives of: Aeronautical Center, VHF, MORI, Autopatch, SCARS, Bicentennial and Wheatstraw clubs.

Old and new business all concerned Ham Holiday '83. Since clubs were asked to be ready to choose their committee assignments, that was disposed of in short order, here they are:

FACILITIES	Aeronautical Center ARC
PROGRAMS	76'ers
LADIES	MORI
PRIZES/DEALERS	Autopatch
PUBLICITY	Art Roberts volunteered
DOOR REGISTRATION	Great Plains ARC
PREREGISTRATION	76'ers
ARRL BOOTH	Ardmore ARC will be asked on this one

Next years date was set as July 29, 30, 31 1983 and it was agreed to keep the Computerfest feature and apply to ARRL for a State Convention in conjunction with Ham Holiday.

The actual location for next year has not been set but the committee was given several suggestions for an alternative to the Myriad, especially in view of the parking problem we had this year. They will look around and have a final recommendation ready for the November meeting.

ALL CLUBS NOTICE -- Be sure and send a representative or three next month since the budget will be finalized then as well as nailing down the site. Don, K5SJV, is the chairman of the facility committee so if you have any ideas get in touch with him.

There was one final discussion before adjournment. A computer group, which was organized by hams and has at least 351 of its members as hams would like to join CORA and share radio/computer knowledge and experience with the present clubs. They were advised to make a formal application and CORA would attempt to accommodate them.

Joe, WA5ZNF

FLASH

CLUB EDITORS-CONTRIBUTORS NOTE :

Due to THANKSGIVING we edit one week earlier on Monday November 15. Mark your calendar. Joe, WA5ZNF

Are you seeing RED -- on your label, that is? If so better check your club membership dues or we will have to let the computer skip your name when mailing labels are printed. RED causes a bull to charge, red on your label means cash -- to your club for membership dues or the computer will skip you when it prints labels.

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HELP * JOIN * VOLUNTEER
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ALL ARRL MEMBERS + + +

As your director, traveling throughout the division visiting with the various clubs and meeting many ARRL members, I am receiving information which is of concern to me in that members are saying that they are not going to renew their membership in the league because they can't afford the cost of QST. This statement indicates to me that we, the directors of the American Radio Relay League and you, the active club members who are members of ARRL, are not getting the message across to the other amateur radio operators in your community that the subscription to QST is only a very small percentage of the benefits and value that is received by membership in ARRL.

The QSP publication is fundamentally paid for through our many advertisers in the publication. We are very limited as to the amount of space we can allocate to advertising, but at the same time we try to utilize the funds from advertising to defray the majority of the cost of QST. This is necessary because the league membership dues are used principally to support and benefit the members themselves. We fail to recognize the many services that are furnished through our membership dues.

Let's review just a few. We have Perry Williams, working each week in Washington to present our story on amateur radio on a continuing basis to the Federal Communications Commission, and to the various Senators and Representatives in Washington. We have legal assistance through our legal counsel which is in Washington on our behalf.

Other services include assistance at various conventions with door prizes, attendance at conventions with staff from headquarters giving technical presentations to the membership on the latest information about amateur radio. This travel and time is carried by your dues to offer members in the field direct contact with the staff from headquarters.

We have near 120 staff members in Newington working each day for the benefit of amateur radio to serve you, the members in the field. What other publication can you subscribe to at any subscription fee that offers you this service over and above just a mere publication once a month. Legislation is always pending before the FCC which can effect amateur radio. We are continually placed before the public through legal action of various types against amateur radio. All of these things are expensive and require our support through the membership of the amateur radio population across the United States.

73

Ray, W5EDZ

Questionnaire

The Federal Communications Commission is proposing that a code free amateur radio license for use on VHF-UHF frequencies be authorized in the future for the radio amateurs of this country. This proposal is from the FCC. It is not something that the American Radio Relay League, or the members of the board of directors have brought up, or even discussed prior to the information being received from the Federal Communications Commission.

In order for the board of directors to have a reaction from the membership at large, I ask that you take a few minutes to complete the questionnaire which is furnished to you through the courtesy of your local club. As your director in the West Gulf Division, I need an indication of your desires and your reaction to this code free license being proposed by the FCC.

Please take a minute to complete the following questions. This first group of questions are based on the premise that the Federal Communications Commission will in fact initiate a code free license, and if so,

where and what conditions would you support this license.

1. What segment of our VHF-UHF frequencies do you suggest should be allocated for a code free license?

- | | |
|----------------|-------------|
| a. 50 MHz () | 50 MHz () |
| b. 144 MHz () | 144 MHz (X) |
| c. 220 MHz () | 220 MHz () |
| d. 440 MHz () | 440 MHz () |
| e. 900 MHz () | 900 MHz (X) |
- Example → place an X for the frequencies you suggest.

2. Do you feel that young people 12 to 20 years of age are or can become interested in communications using computers on an amateur frequency? Yes No
(circle your choice)

3. What age group would you expect to have the most interest in this class of license? a. 12-21 yrs _____
b. 21-35 yrs _____ c. 35 yrs + _____
(check one or more)

4. Should the code free license carry a special unique call assignment? Yes No (circle one)

The following questions address the numbers in our ranks and the need for increasing these numbers to maintain a strong body of unified people with a common interest to present to the Federal Communications Commission and other Federal Agencies in Washington.

A. Do you feel that the ARRL with a total membership of between 150,000 to 160,000 members can effectively influence the FCC in the passing of regulations and directives effecting our frequencies and our operations? Yes No

B. Are you aware that the majority of your membership dues each year are expended for defending and maintaining the frequency privileges which we now enjoy, and a very small percentage of your membership dues are applied to the publication of QST? Yes No

C. Are you, the person filling out this questionnaire, a member of the American Radio Relay League? Yes No

D. At what age did you first obtain your amateur radio license? _____ years.

E. Have you been active in amateur radio since you obtained your license? Yes No

F. Are you now active in some phase of amateur radio? Yes No

G. If it comes to a point of final decision between the members with the American Radio Relay League and the Federal Communications Commission, can we rely on you to write a letter expressing your personal feelings and comments on a code free license addressed to the Federal Communications Commission, with a copy to the American Radio Relay League? Yes No

Other means for increasing our numbers and maintaining quality of members.

1. Do you feel that a change in code requirements from 5-13-20 to 5-10-20 WPM would bring more member to our ranks? Yes No

2. With HR 5008-S929 in effect, this will make examinations in local community more available. This should bring more members to our ranks with no other changes. Yes No

3. Would you favor a family license extension type membership. This would involve the father or mother holding a general or higher class license, and other family members could obtain a one or two year permit to operate in conjunction with the license holder in the family. This could develop the necessary interest to bring other members of the family to get their license. Yes No

Any additional comments that you would wish to make concerning this code free license would be appreciated on the back or additional paper, and please return them to your club so that they can be gathered together and forwarded to me for consideration at the next board meeting, which will be in April of 1983.

73's

Ray W5EDZ



by
WD5JNT Ted VanLaningham

Well, I didn't get to make the Wheatstraw Caravan, but I understand that nine members made the long trip to the Beaver Hamfest and back.

The club lost a longtime member and a dedicated disciple of amateur radio. Leonard Hollar, WA5FSN, had a short bout with cancer and won't be with us anymore. He will be missed by many.

Our next meeting will be in El Reno at the same old place, the Gold Room above the Citizens National Bank. Tune in our Wheatstraw ARC net on .01/.61 at 8:30 for exact directions if needed.

Ya'll come now, you hear!

Ted, WD5JNT

FREE SELF-PACED COURSES

S1100--Creative suffering
S1101--Overcoming peace of mind
S1102--You and your birthmark
S1103--Guilt without sex
S1104--The primary shrug
S1105--Ego gratification Through violence
S1106--Moulding your child's behavior through guilt and fear
S1107--Dealing with Post-Realization depression
S1108--Whine your way to alienation
S1109--How to overcome self-doubt through pretence and ostentation
BC-1--How to make \$100 in real estate
BC-2--Money can make you rich
BC-3--Packaging and selling your child
BC-4--Career opportunities in El Salvadore
BC-5--How to profit from your own body
BC-6--The underachievers guide to very small business opportunities
BC-7--Tax shelters for the indigent
BC-8--Looters Guide to American cities
EC404--How you can convert your room into a garage
EC406--Burglarproof your home with concrete
EC409--1,000 other uses for your vacuum cleaner
EC412--How to convert a wheelchair into a Dune Buggy
H202--Creative tooth decay
H204--Exorcism and acne
H205--The joys of hypochondria
H210--High fiber sex
H212--Suicide and your health
H220--Biofeedback and how to stop it
H303--Skate yourself to regularity
H405--Understanding nudity
H408--Tapdance your way to social ridicule
H406--Optional body functions
C101--Self-actualization through macrame
C800--Needlecraft for junkies
C805--Cuticlecrafts
C810--Gifts for the senile
C820--Bonsai your pet
EC405--Cultivating viruses in your refrigerator
EC407--Sinus draining at home
EC408--Basic kitchen taxidermy
EC410--The repair and maintenance of your virginity
CD101--How to create a course of your own (See note at end of the enrollment form)

FORM MUST BE FILLED OUT COMPLETELY
IN ORDER TO PROCESS YOUR COURSE ENROLLMENT
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AN INTERNATIONAL ANTARCTIC ADVENTURE...

In January 1983 an expedition of international significance will sail from Perth, Australia bound for the bottom of the World. Its destination will be the bleak and galeswept territory of Heard Island.

Located south of the Antarctic convergence, Heard Island is Australia's most isolated territory, being over 4,000 kilometers southwest of Perth and 1,500 kilometers from the Antarctic mainland.

Dominated by the 3,000 meter ice-sheathed heights of "Big Ben", a still-smoldering volcano, Heard Island has remained virtually untouched for over two decades.

The expedition will demonstrate that a small dedicated party with minimal resources can reach the Antarctic with safety in a small sailing vessel.

Once ashore the party will carry out an ambitious program of adventure and research against a backdrop of gales and blizzards, amongst teaming Antarctic wildlife.

Due to the size limitations of the yacht, the difficulties of landing on the island and the nature of the expedition's objectives, only essential survival equipment will be taken.

Through the success of this venture it is hoped that achievements of yesterdays explorers will not remain a thing of the past. The challenges will be formidable, despite some advantages of today's technology.

The Heard Island Expedition has evolved from the aspirations of a multi-disciplinary team, brought together by a common desire to visit this isolated region.

Base Camp will be established at Atlas Cove, site of the 1947-1955 Australian National Antarctic Research Expedition station, now in ruins.

From an advance camp at Spit Bay, a group of mountaineers supported by scientists and film crew will attempt the ascent of Big Ben.

While the mountaineers battle with Big Ben, our DX RADIO OPERATORS will be working continuously from Atlas Cove, making contact with an estimated 50,000 amateur radio operators throughout the world.

From Iceland to the Soviet Union, Japan to Saudi Arabia, the voice of Heard Island will come to life, allowing operators from every continent to communicate with VKØHI, "the most wanted contact in the world."

The Heard Island Expedition needs your help and encouragement. Each member of the expedition is an expert in their chosen field and is giving up all income and comforts for the duration of the expedition. Each member has contributed \$3,000 to the Expedition Fund and together with generous grants from participating organizations the vessel's charter fee has been covered. Much remains to be done, however, and your assistance is needed.

In the United States, you may make a contribution directly to the International DX Foundation or the Northern California DX Association. Contributions to the IDXF are Tax-Deductible! OK-DX is gathering contributions which will be forwarded in the name of OKLAHOMA DXers to the International DX Foundation.

If you would like to contribute to this worthy cause, please make your tax-deductible check payable to the International DX Foundation, and forward it to AD1S/ OK-DX Fund, P.O. Box 32735, Oklahoma City, OK 73123.

Your donation will be sent to IDXF along with the contributions of fellow Oklahoma DXers as a joint contribution.

The preceding article is reprinted from the Australian version of the Heard Island DXpedition Announcement, and adapted. de AD1S.

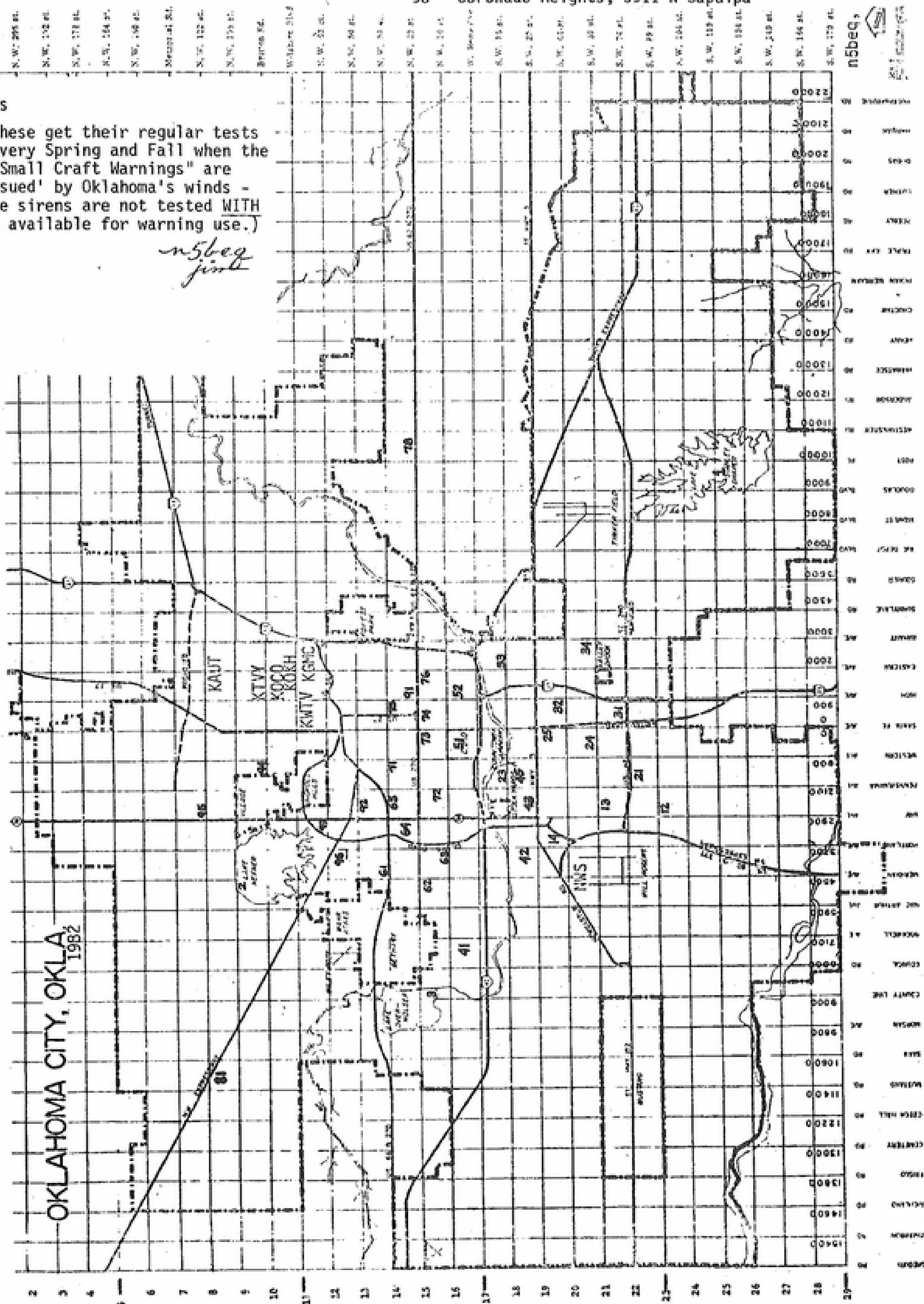
- 12 Water Tank, S W 89 & Lynn
- 13 Fire Station #25, 2642 S W 59
- 14 John Adams School, S W 37 & Goff
- 21 Southern Hills School, 7700 S Kentucky
- 23 Rancho Village School, 1401 S Johnson
- 24 McKinley School, S W 53 & Shartel
- 25 Fire Station, 3416 S Robinson
- 31 Hayes School, 6900 S Byers
- 32 Hathaway Park, S E 38 & Lindsey
- 34 Bodine School, 5301 S Bryant Avenue
- 41 Lythe Park, N W 7 & Green Vale
- 42 Canadian River, 2200 S Portland Avenue
- 43 Jackson School, S W 26 & Villa
- 45 Westwood School, 1701 Exchange Avenue
- 51 County Courthouse, 320 Robert S Kerr Ave
- 52 Woodson School, 600 N High
- 53 Crooked Oak School, S E 15 & Eastern

- 61 4529 N W 36
- 62 Harlow Park, N W 19 & Harlow
- 63 Fire Station, 3801 N W 10
- 64 Madison School, N W 30 & Independence
- 65 Sequoyah School, 2400 N W 36
- 71 Ballet Center, 1236 N W 36
- 72 Hawthorne School, 2300 N W 15
- 73 Wilson School, 2215 N Walker
- 74 Jim Thorpe Building, 2101 Lincoln Blvd.
- 75 Fire Station #18, 700 N E 36
- 76 Fire Station #12, 2121 N Eastern
- 78 Hicks Addition, N E 23 & Liberty
- 81 Surrey Hills Elementary School
- 91 Longfellow School, 1201 N E 28
- 92 Fire Station #17, 2716 N W 50
- 93 Burbank School, N W 65 & Independence
- 94 Fire Station #22, 1105 Britton Road
- 95 Fire Station #15, 2817 N W 122
- 96 Coronado Heights, 5911 N Sapulpa

Oklahoma City Lakes

- 1 Draper (these get their regular tests every Spring and Fall when the "Small Craft Warnings" are 'issued' by Oklahoma's winds - Therefore, the lake sirens are not tested WITH the others but are available for warning use.)
- 2 Hefner
- 3 Overholser

*n5beq
just*



Leukemia and magnetic or electric fields

While updating a study of 438,000 deaths among working men in the state of Washington during 1950 and 1979, Samuel Milham Jr. noticed a higher than expected incidence of leukemia among those whose jobs required them to work around high electrical or magnetic fields. What first caught his attention were statistics associated with aluminum workers. This group experienced roughly twice the number of deaths from leukemia as would have been expected. Looking at only acute forms of leukemia, the rate was elevated 150 percent above the norm.

The prevailing wisdom, says Milham, is that any leukemia excess in this group is probably due "to inhaling coal-tar-pitch volatiles that come off as part of the (aluminum) reduction process." But, points out the epidemiologist with Washington's Department of Social and Health Services, "coke-oven workers are exposed to the same thing-at much higher levels- and they don't show any leukemia excess."

Since strong magnetic fields are induced by high (75,000 ampere) direct currents used in the aluminum-reduction process, Milham's attention turned to electric- and magnetic-field exposures. He broke out data for 10 other occupational groups in which workers might be expected to encounter high fields: electronic technicians, radio and telegraph operators, electricians, power and telephone linemen, radio and television repairmen, motion-picture projectionists, electrical engineers, streetcar/subway motormen and welders/flame cutters. As Milham reports in the July 22 NEW ENGLAND JOURNAL OF MEDICINE, only welders and flame cutters show no leukemia excess. Together these groups exhibit a proportionate mortality ratio (ratio of observed deaths to expected deaths, multiplied by 100) of 137 for all leukemias and a PMR of 163 for acute forms. Highest PMRs occur among power-station operators (259 for all leukemias, 282 for acute forms) and television and radio repairmen (291 for acute leukemias.)

"I'm hoping to follow up union or factory groups that are exposed to (high fields) and see whether those with highest exposures are the ones with the mortality excess," Milham says. Right now, he is examining death records for men in this apparent high-risk group to see whether all forms of leukemia are represented, or whether there appears to be selective preference.

SO YOU THINK YOU'VE GOT TROUBLES (Part II)

Nothing seems sacred anymore. Almost everything has been proven harmful or deadly in one way or another. Ever since cigarettes were proven harmful to one's health, the list has grown to include saccharine, coffee, asbestos, typewriter ribbon dust, fluorescent light, Xerox copies, some plastics, depleted ozone, radium dial watches, microwaves, ad infinitum, ad nauseam.

Now, courtesy of Science News, Vol. 122, No. 8, p. 123, comes the following. So sit back with a hot cup of coffee or your favorite diet cola, light 'em if you got 'em, read and heed:

Stew, KD5DL

"Doctor, do you believe this operation is necessary?"
"Absolutely, my friend. I owe three payments on my mortgage."

A small shop had been forced into bankruptcy and as the owner was locking the door for the last time, he said, "I can't understand it. Here we are broke and only yesterday I heard the President say business was never better."

"Maybe," suggested his partner, "the President has a better location than ours."

A would-be customer wrote to a mail-order house as follows:

"Please send me one of the gasoline engines you show on page 87. If it's any good, I'll send you a check."

In time, he received this reply:

"Please send check. If it's any good, we'll send the engine."

Screen door: something the grandkids get a bang out of.

"Did you hear that the astronauts found some bones on the moon?"

"Oh dear! I guess the cow didn't make it after all."

HOW'S YOUR LATIN?

PRO TANTO	In favor of Lone Ranger's pal
RES JUDICATA	Sam Judicata's brother
AD VALOREM	Add Val or Em to the party
EX PARTE	She got mad and went home
IN LOCO PARENTIS	His partners were nuts
AD HOC	A cuspidor
LIS PINDENS	Mabel Penden's sister
CURIA	Patent medicine
EN BANC	For a rainy day
DE JURE	What sends you up the river
IPSE DIXIT	New dance craze
MANDAMUS	Naughty word
PENDENTE LITE	A chandelier
QUID PRO QUO	An excellent chewing tobacco
PRO RATA	A professional rat
RES GESTA	Raymond is joking
STARE DECISIS	A hard look
ULTRA VIRES	Cause of the common cold
PER SE	An englishman with a lisp
SUPRA	The evening meal
EJUSDEM GENERIS	He's just too damn dangerous
ET AL	Finished all his supper
DE NOVO	Latest GM mini-car
MISFEASANCE	New gal in the steno pool

ARNS

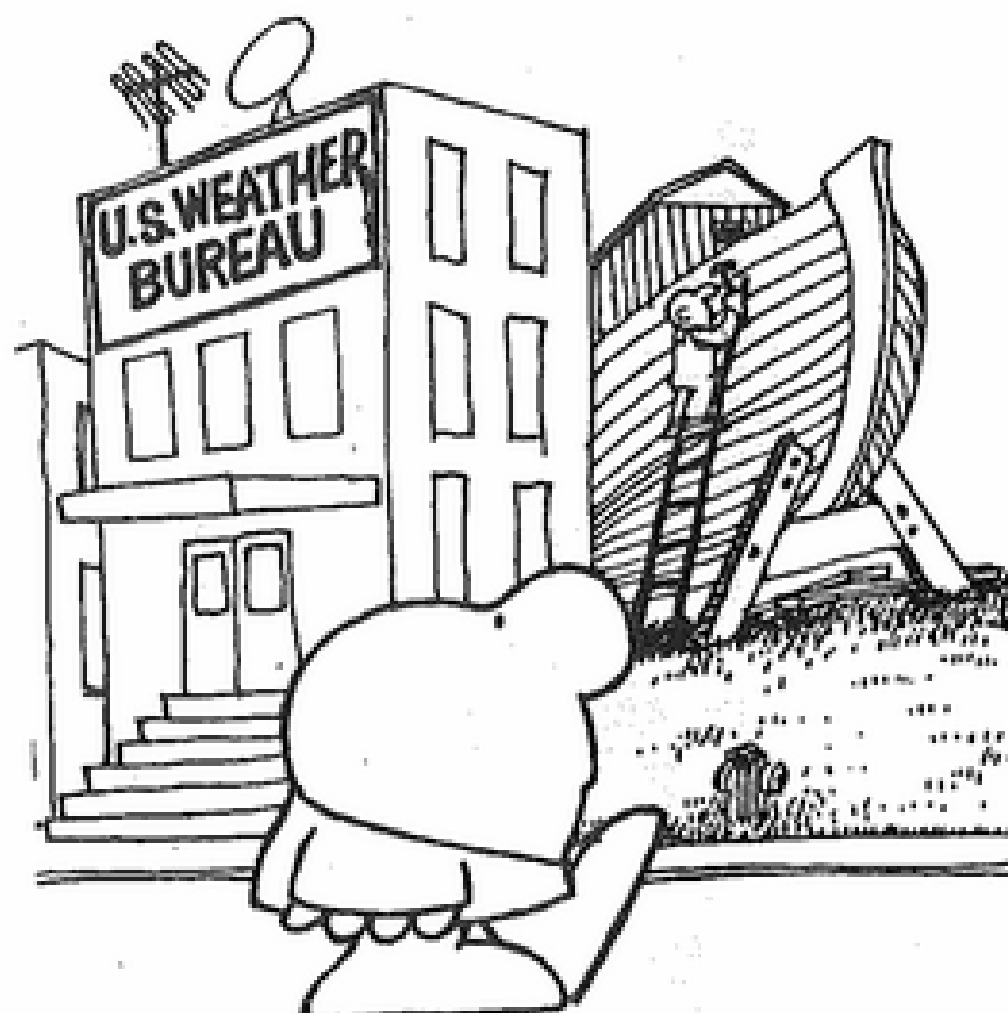
Don't ever doubt
your wife's judgement!

LOOK WHO SHE MARRIED



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11-2



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CENTRAL OKLAHOMA RADIO AMATEURS, INCORPORATED

AMENDED CONSTITUTION

ARTICLE 1 - NAME: The name of this organization shall be the Central Oklahoma Radio Amateurs, Incorporated, a non-profit organization hereafter referred to as CORA.

ARTICLE 2 - PURPOSE: The purpose of CORA is to coordinate group activities in the public interest between the Amateur Radio societies in central Oklahoma. These activities consist of a statewide meeting of Amateur Radio operators to be held annually in the Oklahoma City metropolitan area; better use of communication skills in support of The American Red Cross, Civil Defense and the American Radio Relay League; and the seeking of solutions to problems facing Amateur Radio licensees throughout the state.

ARTICLE 3 - MEMBERSHIP: Membership in CORA shall be as follows:

a. SUPPORTING - Each of the several constituted Amateur Radio societies in the central Oklahoma area, endorsing the purposes stated in Article 2 above and providing financial or other support to this organization shall be a SUPPORTING member of CORA.

b. ASSOCIATE - By virtue of an individual's membership in a supporting member central Oklahoma Amateur radio society, he shall be an ASSOCIATE member of CORA.

c. DIRECTORS OF CORA - A Board of Directors shall be established as follows:

1. Each SUPPORTING member of CORA shall duly appoint or elect three Directors to serve on the Board of Directors of CORA for a term of one year beginning in September of each year. Each Director shall have one vote.

2. The immediate past President of CORA shall serve as an advisory member of the Board of Directors for a period of one year. He shall have a vote.

ARTICLE 4 - OFFICERS AND THEIR DUTIES: The officers of CORA shall be the President, Vice-President, the Secretary and the Treasurer. The Directors of CORA at the annual September meeting shall nominate and elect the above officers to serve for a period of one year. Nominees for the above offices are to be only from the members of the CORA Board of Directors. They shall be elected by a majority vote and shall hold office for a period of one year. There is no restriction on the re-election of any individual to an office he has held in the previous year so long as he remains a Director of CORA.

a. The President shall call and preside at all meetings and represent the organization in all official matters. He shall appoint all committees that may be necessary in the administration of the organization's business.

b. The Vice-President shall take over the duties of the President in the President's absence. He shall have all the authority of the President when acting in the presidential capacity. He shall assist the President in performing all activities of the organization.

c. The Secretary shall keep a written record of the minutes of each meeting of CORA and originate correspondence as directed by the President.

d. The Treasurer shall receive and disburse all funds entrusted to CORA and keep an accurate record of such, shall be personally responsible for all funds entrusted to him and shall give an accounting of the disposition of all funds at each meeting of the organization.

ARTICLE 5 - FINANCIAL MATTERS:

a. CORA will receive financial support from each supporting Amateur radio society as approved by each individual society. Funds for a specific activity shall be requested by the President from financial supporting societies upon approval of the Director membership.

b. Upon final completion of a specific project or activity by CORA, the financial supporting societies will be repaid their financial support if possible. Any liability for loss shall not exceed the amount allocated for that activity.

c. A complete accounting of the financial matters of any CORA activity or project will be made available to the financial supporting societies when funds are returned.

d. The CORA fiscal year shall be January 1 to December 31.

e. In the event of dissolution of CORA, all wind-up expense, payment of outstanding obligations and distribution of excess assets shall be made as provided by law. In no event shall distribution be made to individuals.

ARTICLE 6 - EXPENDITURE OF FUNDS: The President shall authorize any expenditure up to an amount of \$25.00. Expenditures of funds above \$25.00 require the majority concurrence of CORA's Officers and Board of Directors in attendance.

ARTICLE 7 - VOTING: All matters of CORA shall be decided by a majority of the Director Members present at any meeting.

ARTICLE 8 - MEETINGS: Meetings of CORA shall be called by the President as may be necessary to conduct activities meeting the several objectives stated in Article 2 above, usually the fourth Tuesday of each month. Advance notice of meetings including time, date and location, shall be given all Director members.

ARTICLE 9 - CHANGE OF CONSTITUTION: This constitution may be amended by a majority vote of the Director members present at any regular meeting provided that Director members have received thirty-days-advance notice of the proposed change.

Approved and adopted 28 May 1976,
As Amended 23 Oct 79, 26 May 80 and 26 Aug 80.

H A M H A P P E N I N G S . REFER TO CLUB SECTION FOR SPECIFICS

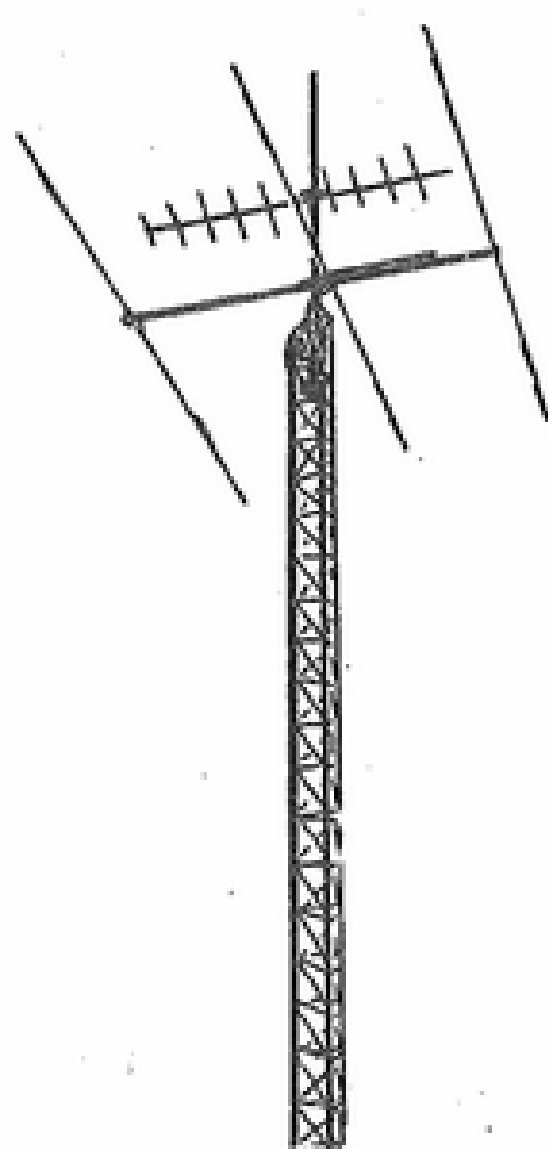
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
		N O R I G R E A T P L A I N S T R I - C I T Y	A R D M O R E	E D M O N D C L U B M E E T S	A E R O N A U T I C A L C E N T E R	
	1	2	3	4	5	6
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7	8	9	10	11	12	13
W H E A T S T R A W	E D I T C o l l e c t o r & E m i t t e r	A U T O P A T C H		K A Y	V H F	
14	15 A R E S	16	17	18	19	20
				THANKSGIVING		
21	22	23	24	25	26	27
		C O R A				
28	29	30 th S H A W N E E				

NOVEMBER

★ B I R D ★ D R A K E ★ D E N T R O N ★ I C O M ★ Y A E S U ★ D A I W A ★ A E A ★

★ T E L E X ★ H Y - G A I N ★ K L M ★ C U S H C R A F T ★ M O S L E Y

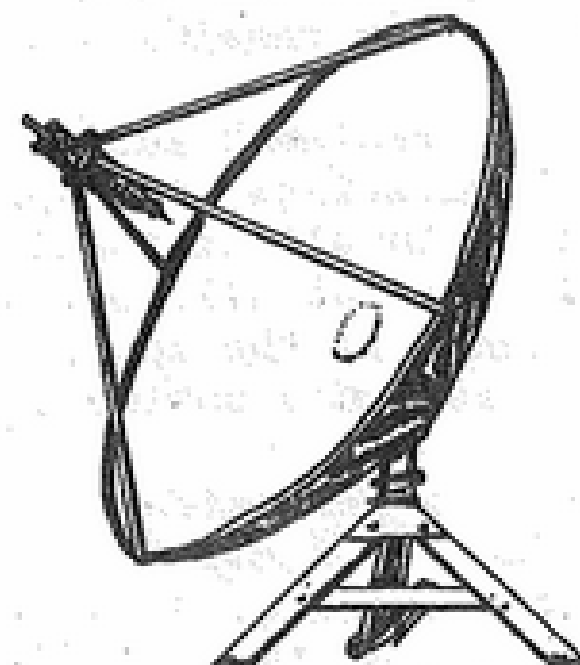
T E N - T E C ★ C U B I C ★ S W A N ★ H U S T L E R ★ L A R S E N



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TUESDAY 10 - 5
WEDNESDAY 10 - 5
THURSDAY 10 - 5
FRIDAY 10 - 7
SATURDAY 10 - 4
SUNDAY CLOSED
MONDAY CLOSED

★ P A N A S O N I C ★ M F J ★ R O H N ★ M O R S E M A T I C ★ I S O P O L E ★ C E S ★