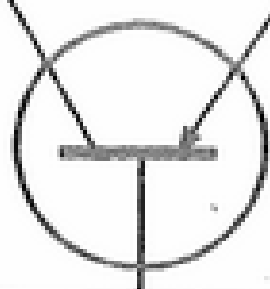


CENTRAL OKLAHOMA RADIO AMATEURS COLLECTOR AND EMITTER



50¢

Volume 7 SEPTEMBER 1981 Number 80

Born at the turn of the century in Tennessee, come to Indian Territory near Konawa in 1905 where in 1918 he graduated from Konawa High School and enlisted in the United States Navy where he learned to copy code on a Navy transport, the U S S President on which he made 7 trips to England, Scotland, and France during World War I. His first rig after being discharged from the Navy was a spark transmitter, and a Navy type loose coupler receiver with galena detector. Changed to tube type transmitter and receiver, both homebrewed, on receiving his first license in 1931 with call W 5 ADC. In 1932 "Reedy" bought a National SW3

JAMES
REEDY
BOOKER
—
W 5 A D C
—
STILL
GOING
STRONG
AFTER
50
YEARS



receiver from Bob Henry and then began to work the world. Served a hitch in the Naval Reserves prior to World War II, then after Pearl Harbor sealed up his gear and enlisted in the Navy again as Radioman 2c. He served as communications instructor at Naval Air Stations at Norman and Shawnee where he advanced to Chief Radioman and was shipped to sea aboard the U S S Sandpiper, an aircraft tender where he served a year. Returning home to Holdenville when the war ended and resumed his printing and office supply business. "Reedy" has been active in Army MARS since 1954, is a confirmed "CW Hound" and can be heard on the CW bands most every day.

In recognition of the 50 years in amateur radio the TCARC invites all his friends to an afternoon in Holdenville September 13 from 2:00 to 4:00 P M for a cup of coffee or ice tea and a special presentation at 3:00 P M.

You to "Reedy" and wife are extended a very special invitation to attend.



The TCARC has been fairly active this summer with a hamburger fry and ice cream get together in July. Also planned for August is another ice cream party and business meeting the 18th at WB5TYW/WB5UBB's QTH. The July meet was held at WB5OFC's home. Also the club met July 31 at WB5VLT's to build a float that was entered in the Western Week Parade here in Holdenville, the club had a tower mounted in the back of J B's pickup with 2 meter station in operation, also Marsha; a code student of the club was operating a cw station with code broadcast over a loud speaker. No prize was won but a lot of fun getting it ready.

The business for July included the change of meeting nights to the first Tuesday of each month to start at 7:00 P M, place to be announced at a later date. Also a club dues was voted, the first ever for our club, it is \$12. individual; \$13. for family. Also planned was a special meeting for September was talked over, more later down the column.

WB5TFX and xyl recently traveled to Dallas for a meeting with Uncle Charley for an upgrade.

WB5TFX, WB5TFY, WB5CGN, WB5VPW, KA5LAX, KA5LAY WB5UBB, WB5TYW and Jim & Marsha Salazer attended the super-duper Ham Holiday and swap meet in July at the Myriad in OKC. J B's wife Mary also attended and carried home a lounge chair won playing Bingo.

Yvonne YW

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Hello World!

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If you want it all in HF...

- All 9 HF Bands with 100KHz (min) each side.
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- Digitally synthesized, tuning resolution to 10 Hz.
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- Two VFO'S, simplex or duplex operation and RIT.
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- RTTY function & special filter, DC level TTL compatible.
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- Matched microphone, metered ALC for great TX audio.
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- WWV Reception — 2.5, 5, 10, 15, 20 MHz.
- ★ General coverage receiver 0.1 to 30 MHz includes AM, CW, SSB, RTTY Filters for your BCL, SWL and other listening pleasure. Transmitting is not possible in the General Coverage mode.

Power Requirements: 10.5 VDC \pm 15% @ 20A
(IC-PS-15 is available for normal duty cycle, PS-20 for 100% Duty or use your own supply).

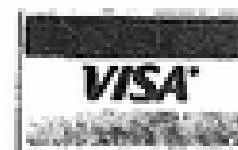
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MONDAY CLOSED

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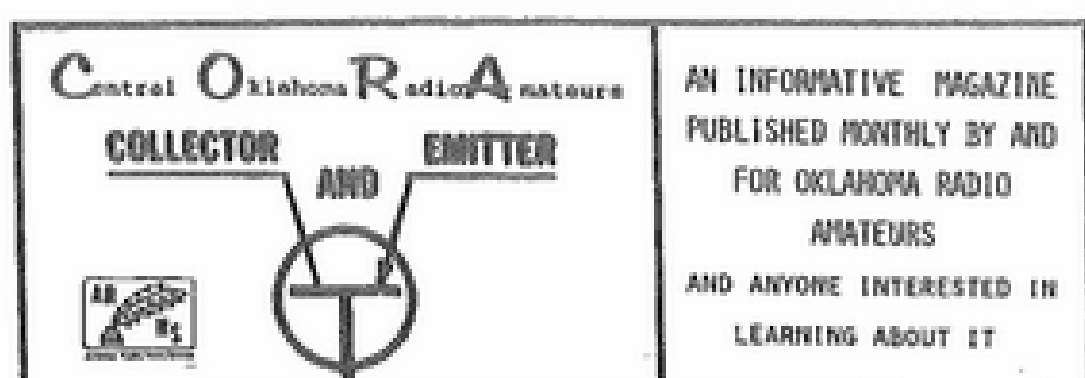
Chuck Guschke, N5 SW



MacArthur Square Shopping Center

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Oklahoma City, OK 73122



Central Oklahoma Radio Amateurs, Inc. (CORA) is a non-profit association of radio amateurs founded for the promotion of amateur radio communication and experimentation for the advancement of the radio art and of the public welfare and operates to enhance the cooperation of member clubs in sponsoring activities of mutual interest to the clubs and all radio amateurs.

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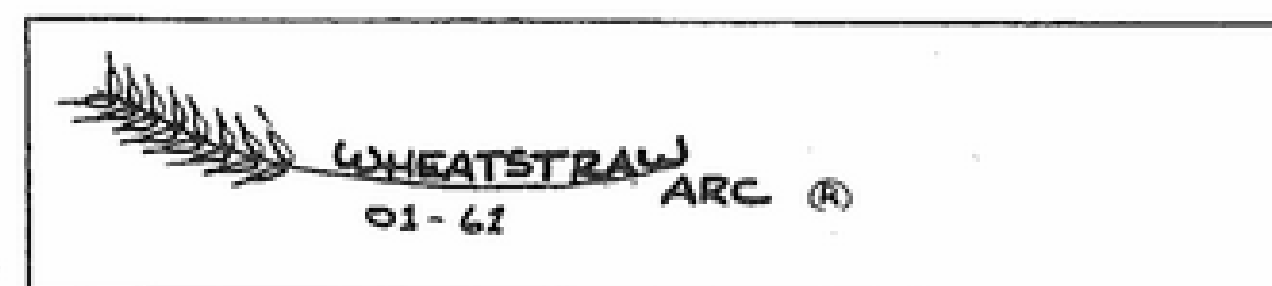
Managing Editor: Joe Harding, WA5ZNF 737-1044
Circulation Mgr. Bob Graham, WB5NSV 677-8685

PARTICIPATING CORA CLUBS

- | | |
|---|---|
| 1. AERONAUTICAL CENTER ARC
MEETS: 8:00 pm First Friday, Flight Standards bldg., FAA Aero Center.
PR: W5CJG Bob Pace 376-1569
VP: W5CDE Bill Oliver 329-6333
Se: W5NSV Bob Graham 677-8685
Tr: W5AAT Larry Dugg 785-4180
EDITOR: Bob Graham, W5NSV 677-8685 | 11. EDMOND AMATEUR RADIO SOCIETY
MEETS: 2:00 pm Third Sunday, Room 205, Science bldg., Central State Univ.
PR: W5SRR Clarence Dillmeyer 341-7863
VP: W5DSC Don Brown 737-6141
Se: W5SQC Roger Harmon 348-1230
Tr: W5SHK Ken Stepp 341-4878
EDITOR: Bob Janda, K5AFR 341-2046 |
| 2. OKLAHOMA CENTRAL VHF CLUB
MEETS: 8:00 pm Third Friday, Red Cross bldg., 10th & Hudson, OKC.
PR: W5IIB Ralph Bartow 521-8330
VP: W5FWD Bill Holland 354-5018
Se: W5JB Joe Buswell 732-0676
Tr: W5KE Elliott Foster 789-6702
EDITOR: Joe Buswell, K5JB 732-0676 | 12. SHAWNEE AMATEUR RADIO CLUB
MEETS: 8:00 pm Second & Fourth Tuesday, Shawnee City Hall (EOC)
PR: W5LFT Bob Almond 598-5148
VP: W5FET Walter Feltz 598-1984
S/T: W5FBC Jim Sullivan 273-3043
EDITOR: Jay Tingle, W5GUP 273-3843 |
| 3. MID-OKLAHOMA REPEATER, Inc.
MEETS: 8:00 pm First Tuesday, Oklahoma City EOC, 4600 N. Eastern.
PR: W5CJG Fred Taylor 528-1537
VP: W5PDH Frank Arnold 737-1582
Se: W5FED Susie Atkinson 842-8014
Tr: W5CJG Sid Gerber 737-1050
EDITOR: Susie Atkinson, K5FED 842-0077 | 13. KAY COUNTY AMATEUR RADIO CLUB
MEETS: 7:30 pm Third Thursday, Security Bank Basement, Ponca City.
PR: W5UBG Marsh Pronneke 363-2526
VP: W5SQT Pat Burnham 765-7229
Tr: W5CJG E. Clark 765-3150
EDITOR: Marsh Pronneke, W5UBG |
| 4. OKLAHOMA CITY AUTOPATCH ASSOCIATION
MEETS: 7:30 pm Third Tuesday, Oklahoma City Fire Dept., Training Center, N. Portland.
PR: W5KHC Chuck Wilhite 721-4926
VP: W5HIM Henry Israel 722-3848
Se: W5SFT Clara Storm 495-6228
Tr: W5SIS Zach Zachary 732-2888
EDITOR: Henry Israel, W5HIM 722-3848 | 15. SOUTH CANADIAN AMATEUR RADIO SOCIETY
MEETS: 9:30 am Third Saturday, Red Cross bldg., North Campus, Norman
PR: W5SEK Wade Anderson 794-5144
VP: W5SCD Charles Warner 364-9561
Se: W5SRP Sam Barrett 321-6297
Tr: W5HMT H. O. Townsend 329-4426
EDITOR: Sam Barrett, W5SRP 321-2601 |
| 5. OKLAHOMA UNIVERSITY AMATEUR RADIO CLUB
MEETS: 8:00 pm (Sep-May) Second Tuesday, Carson Engineering Center.
PR: W5SQR Lee Hardy 325-4545
VP: W5SCB Peter Richeson 329-3217
Se: W5SQR 329-3217
EDITOR: Chris Royce, K5SQU 364-3848 | 16. EDMOND AMATEUR RADIO CLUB
MEETS: 7:45 pm First Monday, See club section for location.
PR: W5SQT Stan Van Nort 943-4368
VP: W5SIS Wendell Cochran 341-4874
S/T: W5SQR Bob Shaw 341-4874
EDITOR: Stan Van Nort, W5SQT |
| 6. ALTUS AREA AMATEUR RADIO ASSOCIATION
MEETS: 7:30 pm Second Thursday, North Main Fire Station (EOC)
PR: W5SQR Charles Smith 477-1098
VP: W5SQR 477-0194
S/T: W5SQR Dennis Bonewitz 477-0194
EDITOR: Dennis Bonewitz, K5SQR 477-0194 | 17. TRI-CITY AMATEUR RADIO CLUB
MEETS: 7:00 pm First Tuesday, Location varies. See club section.
PR: W5SQR John Warriner 379-3149
VP: W5SQT J. D. Billis 379-3992
S/T: W5SQR Nancy Haydon 379-6448
EDITOR: Yvonne Warriner, W5SQR 379-3149 |
| 7. BICENTENNIAL ARC (The 76'ers)
MEETS: 7:00 pm Second Tuesday, Air National Guard, Will Rogers Airport.
PR: W5SQR Bill Skipper 495-6946
VP: W5SQR Jerry Sprout 354-2061
Se: W5SQR Jim Buswell 236-0368
Tr: W5SQR Joe Couch (Guthrie) 282-4153
EDITOR: Coy Day, W5SQR 691-1194 | 18. GREAT PLAINS AMATEUR RADIO CLUB
MEETS: 7:30 pm First Tuesday, Basement Woodward Court House.
PR: W5SQR Bill Wyatt 256-3248
VP: W5SQR Bill Reid 994-2336
Se: W5SQR Gerald Bowman 944-5381
Tr: W5SQR Donna Reid 994-2336
EDITOR: Carla Tice, W5SQR 994-2138 |
| 8. WHEATSTRAW AMATEUR RADIO CLUB
MEETS: 2:30 pm First Sunday, Location varies - see club section/calendar.
PR: W5SQR Ray Barnes 274-3334
VP: W5SQR Dick Ruhl 375-4843
S/T: W5SQR Ralph Wilder 623-5421
EDITOR: Ted Vanlangenham, W5SQR 364-1675 | 19. SOUTHEAST OKLAHOMA AMATEUR RADIO ASSN
MEETS:
PR: W5SQR Ken Henson 326-5418
VP: W5SQR George Weldon 326-5672
S/T: W5SQR Orville Kaley 326-3650
EDITOR: |
| 10. CHOCTAW AMATEUR RADIO CLUB
MEETS: 7:00 pm Second Monday, Choctaw City Hall.
PR: W5SQR Bob Allen 391-2187
VP: W5SQR Frank Carter 279-3975
Se: W5SQR Syrena Standlee 390-8797
Tr: W5SQR Richard Edwards 279-3975
EDITOR: Syrena Standlee, W5SQR 279-3975 | CENTRAL OKLAHOMA RADIO AMATEURS, Inc.
CORA meets the Fourth Tuesday, 7:30 pm, Red Cross bldg., 10th & Hudson |

CORA OFFICERS

President	Chuck Wilhite	K5NKC	721-4926
Vice President	Bob Graham	WB5NSV	677-8685
Secretary	Kay Northcutt	WD5DYJ	842-1086
Treasurer	George Maschino	K5GGL	263-7614



We had a small demonstration on how a computer can generate morse code. We only have a Technician class computer so it could not receive more than 5 words per minute. Hopefully George K5GGL can teach it to copy faster, upgrade to a higher class and give a better program in the near future.

Dick WD5GLD our Vice President brought his Satellite receiving station, which he has labor- (Continued on page 4)

CALL SIGN AUTO TAG APPLICATIONS - NOTE!

WHEN THE STATE OF OKLAHOMA PRINTED THE AMATEUR CALL SIGN AUTO TAG APPLICATIONS, THE SPACE FOR YOUR 1982 DECAL NUMBER WAS INADVERTENTLY OMITTED. YOUR APPLICATION FOR CALL SIGN TAGS WILL BE RETURNED TO YOU FOR THIS DECAL NUMBER IF YOU DON'T PRINT IT ON YOUR APPLICATION.

PRINT YOUR 1982 DECAL NUMBER UNDER YOUR REGULAR 1982 TAG NUMBER BEFORE MAILING THE TOP HALF OF YOUR TAG APPLICATION.

DE K5SJV

Memo from:

JESS H. SPRADLIN, JR., Director, Motor Vehicle Division
Oklahoma Tax Commission
405 521-2519
Oklahoma City, Okla. 73116

*On the application
we need the regular
tag number plus the 82
decal number.*

*Thank you
Peggy*

OF YOUR 1982 DECAL FOR LICENSE PLATE.
be sent until we receive this from you.

MAIL TO: OKLAHOMA TAX COMMISSION
Motor Vehicle Department
2501 Lincoln Boulevard
Oklahoma City, Okla. 73116

I am the owner of the vehicle described

E14AHP92446

Vehicle Identification Number

ular License Plate No. is **XH9347**

nth of **JULY** '82 DECAL NO. **2X347406**
SJV

assigned to me will be used on
icle without first notifying the Oklahoma Tax Commission

FOR SALE: Henry Tempo S-4, 450 talkie. Has 16 key pad and Motorola belt clip, charger, box and manuals. Ready to go for \$320.00. Call Henry N5IH, 7223848

FOR SALE: 2KW linear amplifier. Henry Tempo 2001. runs a pair of 8874's and will deliver a full KW OUTPUT !! Contact Henry N5IH 7223848, priced to sell at \$500.

FOR SALE: SS200A Swan transceiver with 610X crystal oscillator. A-1 working condition. Price \$375.00 + PS 20 matching power supply, 13.8 vdc, price \$100.00. Will sell transceiver separately. (405) 995-4761. Harry, KC5OU.

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DOC--N7ATO

4028 N.W. 10TH
Oklahoma City

942-7738

The August meeting of OCAPA was held at the Fire Training Center on N. Portland, on August 18th. There were several important subjects discussed including Ham Holiday. All agreed that it was a super effort by everyone in charge and there was only one person that did not like the location.-keep pitching Bill--- Also discussed was the situation of non-member persons habitually using the machines. This has been a problem for a long time, and I am sure that it is a problem shared by other groups as well. It was generally agreed that the machines should be "OPEN" so that people passing thru and also folks just moving into the area can use the repeaters and make a decision on which club to belong to. Everyone should give this situation very serious thought and come to the Sept. ^{meeting} prepared to give their views on the subject. There will be a certain amount of time allotted for discussion.

Frank, N5FM, gave us a report on the emergency trailer and said we only lack a few items on having it complete. The items still needed are; 1 travel-trailer-size propane bottle, one UHF yagi, 110-volt terminal strips, and lots of coax and fittings. If you can help by donating any of these items please contact Frank. It was also relayed to us that the trailer will have its own home built special for it. It will be inside a fenced area with only the persons authorized having a key. These same people will be responsible for the safe keeping of the equipment, so please don't ask Frank to take it out for a Sunday spin.

Have you noticed that 81-21 is as strong as 22-82? -- Thanks Reuben and Larry.

It may be that the NEW patch and controls will be in soon. Before the next meeting !!!!!

For those that did not attend the meeting it was a very solemn time for our president. This you see, was the last meeting he will be able to officiate. At least as president. Sue was even there to make certain that he did not allow his name to be thrown into nomination. Chuck ran the meeting smoothly, in spite of his depressed state, and asked for nominations from the floor. There were no nominees willing to accept, so the nominated slate was voted in without one single secret ballot. --toobad too, for Lloyd had a new ball-point he wanted to use. ---

The new officers of Oklahoma City Autopatch Assn. are as follows: President- Henry N5IH, Vice President- George AD1S, Secretary - Judy KA5BJS, and Treasurer - Guy K5GL. Lets all get behind these folks and see if any of them are worth the job. Let these people know what YOU want from the club, for it is YOUR club!!!

On behalf of the new board I would like to say THANK YOU all for the trust you have in us. Please let us know how you feel about things, and how you want the club run. Without your input it is only the board's club, but with it, it is YOUR club. Let us hear.

MORE WHEATSTRAW

ed countless hours and spent lots of Grandpa's money to construct. This project started out as a way for Grandpa to watch television from his remotly located cabin where there is no television signals to recieve. It has turned out to be quite succesful, his Grandpa likes it so well he doesn't think it will ever get to his cabin. As soon as he can get it away from Dick he is going to set it up at his house in Kingfisher where he can watch it more.

It was the first time I had ever seen an actual system in operation. The pictures were very good and I didn't count the stations but there were many and I understand all you have to do is reaim the antenna to another satellite and recieve that many more. Dick certainly did his homework and his craftsmanship was excellent.

The refreshments wew good and very rich like usual. We thank the Kingfisher ladies for the refreshments and there hospitality.

Our next meeting will be at Watonga Sept. 13, 1981 at 2:30.

Don't forget to tune in to the weekly Wheatstaw Radio Club net, each Wednesday night at 9:00. Ralph WA5PFK is net control for this month. Everyone is welcome to join in and add your dimes worth to the dicussion. Ted WD5JNT

***** OKDX *****

The August meeting was held at Sweiss resturant at N.W. 39th and May Ave. on Aug. 10 . There was one of the largest turnouts ever! More than 20 people. The meeting itself was super, but the food and service was something else. It was a real shame that two folks had to leave before they even got their food. After more than an hour I think I would have left even if I didn't need to. The next meeting place is yet to be anounced, so listen on the frequency, 147.900, for the information as to where the next meeting will be held. For everyone that was able to stay, the meeting was one of the best EVER. Gil W5NUT, gave a very exciting account of his annual trips to PJ7 land. It was an extremely interesting talk and all were excited for Gil's next trip this fall. So, be sure and listen and work him.

There was also a lot of information exchanged about current countries on the air. There was also lots of talk on some of the places coming up soon. I won't bother to list them here since they have already been talked about. Also George read the latest bulletin on the OKDX frequency when he received it. If you do not subscribe to a bulletin the next best thing is to listen on 147.900 simplex and take a few notes. There is a great deal of wealth exchanged there, and if you don't listen and miss the "NEW ONE" you wanted, you have no one to blame but yourself !!

I trust by now everyone has worked the 7Q that has been very active. There has also been lots of activity from T5 and T7. If you need any of the VP8's they have ALL been on the air the last two weeks. I am going to end this report for this month, but before I do I would like to thank everyone that has been coming out to the meetings, and also putting up with sorry typing and spelling. It appears that from here on Mr. George Adkins, AD1S will be doing the honors. SO, we can look for bigger and better reporting from this point on.

Be sure to listen to 147.900 and the next meeting place will be listed. If you have any ideas on a place to meet please give me a call, or pass the word along. For now, best of DX and 73. Henry N5IH

***** TOWER FUND *****

As everyone knows by now, there is a big drive on to raise money for the Oklahoma City Antenna Defense Fund. This is an extremely important project for ALL amateurs. As of this time we are still, at least, \$5,000 short of funds. This legal battle must be won if we are to maintain our rights as citizens, and also, amateurs. I once again plead to all of you to give to the fund. Not tomorrow, but NOW, today!!! If every amateur in Oklahoma City would give only \$10 we could have enough to see this thing thru any court needed. We must all give and do it now. We have several contributions of \$100. Is it that they care that much more than the others? I can not help but believe that is the case since I know that most could not "afford" it. THEY CARE !!!!! Don't let a few carry YOUR load. We must all stick together and earn back our rights that the city has taken away from us.

One thing that bothers me is the fact that more donations have come out of California than here at home. Doesn't it seem a little strange that people in Calif. care more about our rights than a lot of so called amateurs right here in our own midst? It certainly does seem that way to me.

If it seems I am trying to shame you into giving, I am. If you can not be shamed into giving then I have no choice but to believe you do not care if you have any rights or not, and therefore deserve NONE.

Along with your cash contribution mailed to the P. O. Box, you can also help by purchasing a Gold Seal book from Paul Asplin WA5HTL. The fund will get half of the proceeds and you will be able to obtain more than \$5 worth of useable coupons from it. If Paul does not see you soon, contact him and buy a book.

Another way you can help is by donating sellable "HAM" gear. Then all the proceeds will go to the fund. You can leave the gear at "KRYDER'S" or you may contact me, N5IH, directly, and I will make arrangements to pick it up from you.

I will make my last plea again. Please donate money, and also "sellable" gear, and then buy a coupon book from Paul. There is not a local cause that is as deserving as this, so PLEASE dig into your pocket and mail your check, made out to, OKLAHOMA CITY ANTENNA DEFENSE FUND, to P.O. BOX 32735, Oklahoma City, Oklahoma, 73123.

If you would rather, give your check to one of three people, either George, AD1S, Henry, N5IH, or Chuck N5SW.

Edmond Amateur Radio Society, Inc.

147.72/147.12

The July meeting was called to order at approximately 1900 Zulu by our illustrious leader, the Honorable Clarence Dollmeyer. The Treasurer's report was given by our Treasurer, Rodger Harmon, and reflected a balance of \$310.00 as of July 19, 1981, at 1914 Zulu.

A repeater report was made by our Trustee, Martin Vinson, WD5FEI, advising we need to make some improvements. After much discussion, a motion was made and seconded that Martin purchase 368 feet of Heliac cable for the Club repeater at a cost of \$200.00. The vote was unanimously in favor.

Martin Vinson, while updating our repeater, will also be changing frequency. It seems there are operators in the state who delight in causing intermod, interference, etc.; they are using many Clydesdales when a few Shetlands do the job on two meters.

Bill Demand, K5SKA, suggested that members who were able could make a donation to the repeater fund to bring our Treasury balance back up, and made the first donation of \$10.00. Hopefully, other members will give this serious thought.

One of our members, John Watkins, WD5ENU, is on assignment in Jakarta, Indonesia. He advised me recently, while home on leave from the oil patch, he would be trying to make the trip back to Edmond with 250 watts (all he can run) and a six element monobander on 15 meters. Bill Wright, KC5GN made the long pull across the whale pasture to HK land (Korea) on business, and will try to contact us on 15 meters.

Our Program Chariman, Jim Buswell, N5BEQ, provided an excellent film on aluminum. An outstanding program, Jim; and, as usual, very informative.

Allen Watson, W5ERY, made the meeting after a long convalescence from major surgery (mixer circuits checked and repaired - Hi Hi); great to have you back Allen, and glad ur rig is working okay.

Our President invested considerable time and expense from his busy schedule to personally hand write 38 QSL cards advising the membership of command decisions which had to be made at this meeting. Needless to say, a considerable number to the membership was A.W.O.L. This is tantamount to a summary Court Marshall. We realize that with summer vacations, etc., it is sometimes difficult to attend a meeting once a month,

therefore, in view of the grievous mental anguish which those members in attendance have suffered and, in all probability, will continue to suffer, a small donation to the repeater fund will be gratefully accepted. HI HI. Your thoughts are needed and your vote counts only when you are in attendance.

Field day was a great success. All hands who actively participated were setting up antenna's by 0945 hours. Shortly after 12 noon, the converted Boeing 707 APU came to life and provided 14 volts at 140 amps. Yours truly spent some time converting a GMC truck regulator and various parts to make this unit serviceable at this voltage. This was supposed to be an all battery DC operation, however, Ron Hathcock's (KA5EHR) Heath Kit required 120 AC, so this unit was fired up and four HF rigs were then on the line. Bob Shaw and Howard Wise were on CW, while Club President Clarence Dollmeyer, Ken Stepp, Dee Mize, Bill Wright, Bill McMullin, and Many others also helped to make field day a fun day for our club. Bill Demand and Martin Vinson were also on hand operating and providing technical assistance. Yours truly climbed a 35 foot tree three times trying to get a long wire to load, but decided it wasn't long enough. At 1800 hours we dismantled all units and proceeded

to enjoy a repast of various goodies. Then all hands went home to catch the 10 PM news on Channel 5 and see themselves on TV.. while this was great, the two lady reporters were greater..real keepers...and we hope we see them again..HI HI..there just aren't that many keepers around anymore.

Ken Stepp, N5DBM, has a new six element Tribander, and is enjoying new sounds.

Clarence Dollmeyer, KB5RR, and Ron Hathcock, KA5EHR, are also in the process of putting up new antennae's (Tribanders).

HAMFEST, 1981.....Most of our members attended the 1981 Hamfest and drooled over the many goodies. The Edmond ARS manned the A.R.R. booth and much appreciation goes to all those who donated their time to this duty. I failed to make a list so don't dare list anyone for fear of missing someone. Again, many tnx to all who were on the line. The Flea Market was gone through no less than three times and Ron KA5EHR and Urs Truly had to make two trips to the car to load up various items purchased. A great time was had by all who attended.

Back to our repeater....Martin (WD5FEI) and Bob McCoy (K5BUJ) are diligently working on new repeater system, which will have many new features. In the meantime, our phone patch is out and will be fore some time. One feature will probably be a split frequency, reducing the possibility of intermod.

3-4 we close, I remind all hands the EAS monthly meeting is August 16, 1981, the 3rd Sunday. Let's all try to make it!!

73'4 - KA5AFN - Bob

PRES SEZ

August '81

First, thanks to Bob Janda, KA5AFN, for taking over the column. I know how tough it can be Bob, so here is some help in the monthly filling of our allotted space.

Next order of business is some kind words for all the support given to our Ham Holiday efforts. [redacted] receipts were \$562.50, including four ARRL Memberships, which earned the club \$8.00 in commissions. The HONOR ROLL for this event is:

Tom Cassady, KF5E	Oscar Staudt, WB5GCX
Allen Watson, W5ERY	Dee Mize, WD5FHR
Frank McCollum, N5FM	Charles Frodsham, KØAYS
Bob Janda, KA5AFN	Ron Hathcock, KA5EHR
David Dowdy, KA5AFA	Ken Stepp, N5DBM
Martin Vinson, WD5FEI	Bill McMullin, WD5EXY

Thanks fellas, you done good! Whenever one sets out to call out all the names of the people how helped on a given duty you run the risk of leaving someone out -- hope that hasn't happened here -- I wasn't there all the time so I can't be sure.

EARS is having a banner year. Participation in club activities is holding up well; meeting attendance is good; our program chairman, Jim Buswell, N5BEQ, has come up with some good meetings; we have a new member here and there; and renewals are in pretty good shape. We do have a couple soft spots tho and your assistance is greatly needed. Two members have not indicated any inclination to renew:

Ben Allen, K5IRO (8102) Art Roberts, W1GOM (8102)

If you see either of these two gentlemen, please encourage them to reinstate thier memberships.

The novice class is not going quite as well as we had hoped. Attendance has dropped off sharply among both students and club members. Hope it isn't the teacher! Prexy Bill Wright, KC5GN, had to suddenly depart for HL land to assist the locals install new land line exchanges -- so guess who inepted that detail. Sure could use a few hands out there on Monday evenings at 1900 hrs.

One more bouquet and then I'll quit. Our Field Day publicity was handled by Charles Frodsham, KØAYS, and he deserves a pat on the back by one and all. Five newspaper insertions, including a feature article on the Edmond News page of the OKC Times, plus at least two radio spots and an appearance on Channel 5's 10 o'clock news is one fine piece of work!

THANKS CHARLIE!!!!!! DE KB5RR CL

The South Canadian Amateur Radio Society

EXCUSE DEPT.....

Why didn't SCARS have an article in the last issue of C & E? If you have been wondering, you may choose any or all of the following reasons.

- 1) The new 9 digit Zip Code was scheduled to go into use and I didn't know the number.
- 2) The United States Postal Service (service ???) was threatening to strike so I delayed mailing the article.
- 3) I put off writing anything until it was too late to make the deadline.

If you picked excuse #3, you are correct, and you've just won a lifetime supply of blank DX QSL cards courtesy of Dr Dave Gardner.

A FLEA IN THE HAND (etc.)

For me, the best part of any Hamfest is the flea market. Each year I look forward, hardly being able to sleep the night before, to rushing in among the tables to buy up all kinds of goodies. I like junk for junk's sake, so I am a good candidate for any and all fleas. I find the following rules helpful when hunting fleas:

- 1) Always make a good list of things that you will be on the lookout to find. Once this list has been made and reviewed thoroughly, place it in your pocket and don't look at it again (you will remember what you need if you see it anyway).
- 2) Another point that goes hand-in-hand with the one above is that a purchase should not be based totally on your need for the item. There are some things that a person just likes for its appearance.
- 3) Be sure to survey all available shelf space in shack, garage, and other storage places. It is very important to bring home junk that will fit in your cubbyhole (I just don't feel at home in my shack unless it is full to overflowing with junk).
- 4) Sometimes, as in my case, it is helpful to find as much stuff as possible that will fit in your pocket or other inconspicuous place. Remembering this point will help greatly when returning home to face the question: "What did you buy at the hamfest?" One cautionary note: while it is perfectly acceptable to conceal a two meter transceiver under a junkbox assortment of capacitors and coils, one is just asking for trouble when trying to sneak home a linear amplifier (complete with power supply) with the whole thing secreted in the waistband of your underwear.
- 5) One last, but quite significant, piece of advice is to remember whose flea market table the stuff came from. This information will come in handy much of the time.
 - a) You can always go back to the seller to ask what the gizmo is in case you forget what you have bought (provided he can remember what it is from when he bought it last year).
 - b) You can ask the guy who sold it to you how to fix the gizmo when it breaks (provided it wasn't

broken when you bought it and the reason it was sold in the first place was that it was not repairable.

- c) Finally, when the ham you bought it from comes around and finds it on your flea market table next year, you can remember to price it to him at more than you paid (you wouldn't want him to know he "took" you and now you are having to take the loss).

I can't wait for the next flea market. I just found two more empty spaces on my top garage shelf.

MISSING PERSONS.....

In June, SCARS sent out a letter to all area amateurs (Moore-Norman area). The letters were addressed to the address listed in the 1981 Callbook. Letters to the following people came back undeliverable. If any of these people are still in this area, SCARS would like the corrected address:

WD5AGT	WB5GBI	K5QDX
KA5CPY	K5HQU	WB5QMB
KA5CPZ	WB5HXO	WB5QNP
WA5CSI	WD5IAJ	W5RSC
WD5CUY	WD5IPE	W5SRO
KA5CVP	KA5ISG	WB5TRR
KA5EHN	WB5NSK	WA5UMC
WD5FVI	WB5OXI	W5VUK
	W5OLI	WB5WCL
	WB5PQC	
	WB5QCD	

SCARS HAPPENINGS.....

Prize winners at Ham Holiday included:

WB5UUX
N5BEW
xyl of K5KDR

Also:

- KC5SX, Henry is the proud owner of a new station.
- WB5SKB, Don, not to be outdone has also totally re-equipped his station.
- KC5CU, Chuck, now drives a Corvette.
- K5KDR, Bill, bought a new car and then went out and bought a new 2 meter rig to fit the car.
- W5MCN, Leland, took a trip to Michigan

Note: The following report was delayed one month (see Excuse Dept. elsewhere in this issue).

Q.R. ZEDD ALMOST MEETS HIS MATCH

Oklahoma's premiere DXer, the famed Q.R. Zedd, nearly met his match recently when the world-renowned Bill Blast, MC of the daily Blast Off DX Net, briefly visited the state. A handful of the Deserving watched and listened in awe as the two DX giants squared off verbally, and then in megatons of rf, at a Norman area motel.

Blast, accompanied by his XYL and three microphone caddies in his 92-foot, 14-wheel house trailer, was stopping for the night during his round-the-world trip. He spent the evening with Zedd and nine other Norman amateurs. The Norman group regrets that more DX hounds were not aware of Blast's brief visit; this report is intended to fill everyone in on what transpired.

While Blast's entourage enjoyed a meal at the motel, Blast himself remained in his trailer, casually working a little DX from his three Collins stations, the converted Voice of America walk-in linear, and his homebrew popup six over six array cranked up to its minimum height of 120 feet. And what a sight it was! There was Blast, in a maroon brocade dinner jacket and Levi's with matching Adidas running shoes, puffing his oom-paul, working an 8Q7 on 20-meter SSB while simultaneously communicating with UALPAL on 40 CW. When the door of the trailer opened and our own beloved Zedd strolled in, his TR-7 affixed to his chest with Velcro tape and his boom mike firmly fixed to his forehead with a rubber suction cup. Blast, recognizing Zedd, signed quickly, and Zedd sent a rapid "73" to the lucky operator he

continued next page

had been visiting with in Albania. The friendly rivals shook hands.

"Zedd," Blast said, exhaling clouds of latakia smoke, "it's great to see you again. "I see you're using one of the bargain American brands in transceivers now. Have you managed to work anybody with it?"

Zedd sat down and stowed a generous scoop of Silver Creek in between his cheek and gum. "Not really, Bill," he said modestly. "Since I worked number 371 on 160 last night, there doesn't seem to be any challenge left for me."

"I know what you mean," Blast smiled grimly. "Now that I've finished my WAS, life seems dull."

"WAS?" Zedd looked blank. "On what band?"

"On all bands, of course."

"I would have thought you would have Worked All States decades ago!"

"Not Worked All States," Blast said. "It's the Worked All Stations."

Zedd scarcely blinked. "Oh, of course. Are you certificate holder No. 2 or 3?"

"I believe I'm number one with the two-meter FM simplex endorsement."

There was a brief pause while Zedd digested this (along with the Silver Creek), and glanced at the long, glittering row of Collinses and processors on the multi-deck rf command post of the trailer. "I see you're still running the old army surplus gear," he observed.

"Yes, it serves fine for casual mobile operation," Blast said. "I wish you could see the station at the home QTH. I've got nine Signal Ones, each with its own big Alpha, set up with computer-assisted band-scanning. What are you running these days?"

"Oh, not much," Zedd said. "Five KWM-380s, four calling birds and three French hens into your normal collection of rhombics, ten-over-tens and a little long wire I use sometimes for amusement. Would you like to see the long wire? It starts down here near Pauls Valley and terminates near Wichita; my rented right-of-way passes less than a mile from where we're sitting."

Blast yawned delicately. "No, actually not, Q.R. Longwires bore me. Ever since I operated with that Paris-to-Rangoon sloper in WW II, I just haven't had all that much interest."

"My long wire is fantastically sensitive," Zedd replied, his face growing pink around the edges. "Just the other night I heard a station in DU-land Q-5 and S-8; I called him and it turned out he was running a half-milliwatt into a flashlight bulb dummy load. I warned him about unintentional QRM."

"Yes, that would be old Arnold," Blast said. "I worked him a few times with this mobile beam on top, here. But with Collins gear you have to be so careful. I keep getting QRM from a dentist in Tokyo; he has a bad filling and his hearing aid keeps keying it up; very nasty, broad signal, especially when he's brushing. I've written the JARL about it."

"If you had a decent filling filter," Zedd retorted, there wouldn't be any problem. Datong makes a nice one, if you aren't capable of home-brewing your own. It also has a notch on it that cuts out all those deafening signals from dying transistor batteries and beer cans when people open them."

Blast leaned back thoughtfully and refilled his pipe. "Zedd, I believe it is the nature of true DXers to be somewhat competitive. Perhaps you would be interested in a small wager?"

Zedd shut off his TR-7, fire in his eye. "I might be, yes."

"You and I have both worked everything on this planet on all bands, all modes, all levels of power, and under water. We were both in that pileup for the Saturn probe, but we'll have to wait until October to see which one it answers first, the propagation lag being what it is. Suppose we just settle our own rivalry once and for all."

"How?" Zedd demanded. "Name it, sucker."

"The next time something reasonably rare comes on, we'll both call him. Whoever gets through first is the acknowledged champ."

"How do you define 'rare'?" Zedd asked.

Blast thought about it. "Well, let's say a BY, or an XV, or an XZ. That will limit it rather sharply."

"And whoever works one of those an' gets back a QSL confirmation is the champ?" Zedd asked.

"Satisfactory?"

"Done."

The two great men clasped hands.

There was hardly time for the handful of thrilled bystanders to savor this moment, for hardly had the pact been made when both the mammoth computerized search monitor in the trailer and Zedd's portable, belt scanner began beeping and flashing LEDs. Both men paled and leaped to their respective rigs. It was Blast who first found the frequency and turned up the audio gain.

"QRZ?" the speaker blatted weakly. "This is XZ5A."

It is characteristic of great DXers that they do not falter under pressure. Blast instantly reached for the control of his antenna rotator and jacked up the gain on the nearest linear. The west side of Norman had an instant brownout.

"No fair!" Zedd cried as the beam came around.

"I'm six blocks from my home station!"

"I'm two thousand miles from mine, sucker," Blast snarled, and keyed the mike.

Alas, the power drain was too much for OG&E. The lights went totally out. It was terribly silent in the trailer, the only sound being the faint popping of a few overworked chips.

"It will come back on," Blast said calmly.

"I may have time!" Zedd cried, and ran for the exit.

No one will ever know precisely how long the power was off. But history will record that it was long enough for Zedd to motorcycle to his home northwest of the motel parking lot where Blast waited, thumb on the mike. Zedd took a calculated gamble on the long path; his 18 KW alternator howling, he tuned for max and hit the mike button.

At virtually the same instant, the power returned to Blast's trailer and he, too, keyed up.

The two antennas were pointed directly at one another.

Witnesses say the fireball that exploded at a height of about 1,800 feet near the Sooner Fashion Mall was terrible in its intensity. Twenty, 40 and 75 meters were blacked out for several minutes. When the smoke cleared, nothing was left of Blast's trailer except a puddle of molten aluminum and a few thousand rare QSL cards. As for our own Zedd, we are happy to report that he survived with his love for DXing undiminished. We hear he has just purchased Ellis County to provide sufficient space for his new Yagi. Blast survived. But friends say he is a broken man.

--WB5TZZ

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UNIVERSITY OF OKLAHOMA

Amateur Radio Club 146.28/.88

OSCAR (continued from the May issue)

Due to a lack of summer activity and news there was no OU contribution to the summer C&E issues (and very little this month). This delayed the continuation of Dr. Walker's article concerning the OSCAR experiments conducted by the FATE group at OU. The last part of the article, which is printed below, is the second computer program (i.e., Figure 2). If you are interested in using the OSCAR satellites (only OSCAR 8 is useable now) and missed the main part of the article you may want to look for it in the May issue of the C&E.

Figure 2. BASIC computer program used to translate OSCAR telemetry data into English.

```

5  DIM A(6)
10 FOR CH = 1 TO 6
20 PRINT "CHANNEL ";CH
30 PRINT "LAST TWO NUMBERS : ";
40 INPUT A(CH)
50 PRINT
60 NEXT CH
70 PRINT "TOTAL SOLAR ARRAY CURRENT: ";
80 PRINT 7.15 * (101 - A(1));" MILLIAMPS"
90 PRINT "BATT. CHARGE-DISCHARGE CURR.: ";
100 PRINT 57 * (A(2) - 50);" MILLIAMPS"
110 PRINT "BATTERY VOLTAGE : ";
120 PRINT (0.1 * A(3) + 8.25);" VOLTS"
130 PRINT "BASEPLATE TEMPERATURE: ";
140 PRINT (95.8 - 1.48 * A(4));" DEGREES C
150 PRINT "BATTERY TEMPERATURE: ";
160 PRINT (95.8 - 1.48 * A(5));" DEGREES C
170 PRINT "435 MHZ TX POWER OUT: ";
180 PRINT 23 * A(6);" MILLIWATTS"
190 PRINT
200 END

```

TEMPORARY REFUGE

The OU React Team has generously allowed us space in their station room for a temporary Amateur station. The station should be operational by the time this is printed. The latest plan is to install the Heathkit transceiver, a transmatch, and a long dipole-like (dipoloid?) antenna. We will take precautions to prevent unsupervised non-Amateurs from using the equipment. OU ARC members and others interested in using the equipment should contact Peter, KASCOI (329-3217), for information and a room key. The Club is hoping to find a "permanent" home by fall. The club is very grateful for the past and present hospitality of the OU React Team.

LOCAL EDITOR'S LAMENT

I have recently added word processing software to my computer at OU. I thought that this would give me the time to produce a scholarly piece for the C&E. It did not. I thought that after reading WB5TZZ's poetry and prose (re: Mary) in the July issue that I had been inspired to create clever criticism. I had not. I thought that after reading the legal and technical contributions of the prolific NSMS that I would give up. I did not. All I can add is that "some day" ...

-Chris Royce KB5QU

BEGINNER RIG: Mint Heath HR-20 Receiver/HX-20 transmitter, 90 watt input, 5 band base or mobile, manuals. Includes 120vac x 12vdc power supply, desk mike, straight key, and antenna tuner. Contact Ron Moore, 478-0049.

kay

COUNTY ARC

This will be the first showing for our club in quite awhile. The old club editor lost his typewriter or typist. When we had our elections for this year, I got the job of editor so I got my 1st artical all written up & then found out edit date was the day before! Now I have tonight to get this written & typed so I can get it in the mail for edit date, so I will hurry.

Some of us are looking forward to Ham Holiday this weekend in the city. This past sunday the Ponca City J.C.'s had their raft race, for which our club provided the communications. This year we only had to have one raft rescued, for it lost all it's air 1/3 of the way down the river. This year there was plenty of water so no one had to carry there rafts down the river like last year. Seems like every one had a good time & thanks to the members that helped me with it. W5ZWM, WB5SAG, N5ANV, WB5YRN, WB5JYC.

Last month we had field day that I was not able to attend for my employer thought I should be in Austin, Texas during that time for some schooling, but will recap what I know.

Their was 3 stations set up as well as RTTY & slow scan T.V. that some members of W5YJ club, stillwater. The covered dish meal was what brought everyone out that evening.

At our July meeting last Thursday night, there must of been alot going on else where for we only had 4 members present besides myself & the secretary, so was quite a short meeting. At the May meeting we had the excitment of the year, Elections and they came out as below:

Secretary, Treasurer - Cosby Clark -WB5JYC
Vice President - Pat Burnham - WB5NQT
President - Marsh Pronneke - WA5UBO

Sometime during the meeting I could have sworn I heard a train go by Hi Hi.

We have had a few members move away lately. Steve Scott WB6NBK went to Texas for 2 years but plans to return after that. Tony Congram WD5EAA seems to have been moved to Texas also but don't know for how long, but hope both hurry back to Ponca City.

Till Next Month

73' Marsh CONTINUED.



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DATELINE OKLAHOMA CITY - JULY 24, 25, 26

Yes indeed, it was Ham Holiday 81 in Oklahoma. A gathering of hams or should I say infestation of Hams in OKC. What everyone had been waiting for-lots of programs, dealer displays, and the flea-market! This is where you will find everyone at one time or another, for I've never found a ham that could pass up a good bargain on a boat anchor or some small electronic do dad. I don't think there was as much goodies this year, compared to last year that I remember. For last year I walked away with 3 bargains or at least I thought they were. I did stumble on to an Azden 2000 xceiver for a fair price & just couldn't turn it down. I've had my eyes open for the last 6 months for one & even drove to the Broken Arrow swap fest in the pouring rain to try to pick up on one & when I got to the East side of Tulsa it was cancelled so turned around & drove back in the rain to my dismay!

While at Ham Holiday saw 7 other brave soles from up North here walking around in a daze looking at the goodies. I was carefully in approaching them while they were looking, for I know how hard it is to keep from drooling while you look at some of this equipment these days.

Drooling also brings to mind the concession stand that was nearby the flea market. The lines seem to grow rapidly so thought I should get in line, once in line I thought they didn't seem to move very fast any more. That gave you plenty of time to check out the menu & recover after seeing the prices. Once you had your order you wanted to make sure not to spill any so you wouldn't have to stand in line again after you had seen what you got for your money.

Shortly ater I had woofed down that hot dog and was nursing that coke down, saw a fellow go by that his call sure rang a bell from sometime back. I caught up with him in front of a parts display & sure enough it was JIM-WB5YWO from Stillwater. In they myths of our conversation, stumbled by Mike Salem N5MS after a few words with him and a demo of his slimline Motorola drinkatakie, somehow that coke I had been nursing didn't seem like such a bad deal after all!

The problem was keeping Mikes attention, for the dealer set up beside us was getting his attention, you might say the merchandice was up front & displayed quite well!

As the day withered on so did my feet from all the working, seem as though everyone had a good time & thats what its all about.

Close To Home

This September our club has been asked to help with the City wide S.E.T. It will be held sometime the first two weeks of September. W5ZWM will receive a call on the land line when it starts, in turn we will put our call out roster to use to get things under way. So let's show our sypport & get involved, someday it may be the real thing!

73'

Marsh

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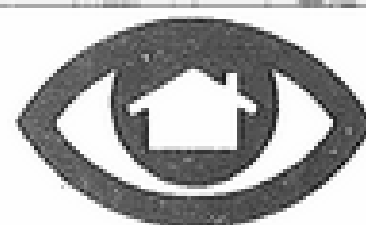
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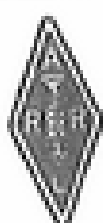
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LEONARD HOLLAR, WA5FSN
SECTION COMMUNICATIONS MANAGER

Ham Holiday 81/West Gulf Convention is over. In retrospect, I need your comments. To prepare a critique for use in future planning, not only for Ham Holiday, but, for future use in Convention planning. Therefore I would appreciate hearing from you. I personally thought this years meeting was a good one. We were especially fortunate in having both our League President, Mr. Dannels and League General Manager, Mr. Baldwin in attendance as well as others of the Long Range Planning Committee.

I have been remiss about getting a column ready for C & E, lately, seems like a lot of things got in the way. One thing has been brought to my attention that I feel should be passed on: Quoting from Part 97.67b "Amateur Stations shall use the minimum amount of Transmitter Power necessary to carry out desired communications." This was written before the advent of Repeaters. never the-less, the above applies to Repeater operation, as well as HF operations. particularly where it applies to bringing up more than one machine (and I am guilty too). But the main problem seems to lie in long-winded Filibustering by some to the exclusion of all others who may need to use the machine, but are unable to.

There have been rumors of stations transmitting on the output frequency so strong that the repeater was covered. another report has it that one of the filibusters spent much time maligning some of the other operators in the area. Is this being gentlemanly and living up to the Amateurs Code of Ethics?? Citations have been known to be issued for excess power per 97.67b. Also the filibusters can be stopped by 'peer pressure! Better to do it ourselves than have a 'Pink' slip show up in the mail box.

It is our intention to spend as much time as possible, Revitalizing the various Section Nets. We are asking for more participation in all Nets. We have some Net Control slots open as well as other Leadership jobs that are open. Are you interested? We can find a place for you.

We hope to have a new Section Emergency Coordinator in office before long. In any case, It is imperative that we all keep pulling together and keep the ARES organization together, particularly since it is only a short time until the Annual Simulated Emergency Test. October 17-18 are the days recommended for this drill. It is time to begin making your plans.

Oklahoma Net Reports for July 1981				
Net	Sessions	QNI	QTC	WX
O.F.O.N.	19	183	43	
Sooner	27	344	80	
O.T.W.N.	27	406	309	268
O.L.Z.	31	174	48	
O.N.O.N.	31	945	76	
Q.C.W.A.	4	142	15	

From the above, it is easy to see which of the Daily Nets need help. We have had some new Stations coming in lately and hope they will continue, and that their number will grow.

73's.

Leonard Hollar WA5FSN

SORRY ABOUT THAT -

The ad for Missouri Communications Systems, Inc. (who had a big display of ham goodies at HAM HOLIDAY) as run in the July issue had the wrong street address. You can contact them at 2848 NW Vivion Road, Kansas City MO 64150. Phone number is (816) 741-8118.

CHOCTAW ARC



Well it seems I have a lot of catchen up to do for this month. I was out of commission for a while due to the arrival of our twins. But things are finally settling down to a normal (?) routin.

First off is Field Day. It was a lot of fun. I think everyone enjoyed themselves. We had a cook out for all the family's at Miskelly State Park where we had set up operation. Im not sure how many were there because I kept loosing count so I just gave up. Bob WD5EVP said the thing he enjoyed most was climbing the tree to enstall the 6 meter antenna. We made 1,538 contacts which was better than last year. Maybe next year we can do even better than that.

We had a watermellon fest on August 8th at Miskelly State Park. There was 18 adults and 10 children on hand to help eat all the watermellon that was there. Even though two of them were not big enough to have any, I took some home with me and I ate it that night. I love watermellon. We had a nice cool spot to sit a visit with everyone.

We had a real good meeting this month. There was 19 members present. We are making plans for the Batfish Exp. with the Muskogee club for the seconed weekend in November. There will be more details in the October issue of the C&E.

Lad W5PX has been giving a talk each month about the atmospher and its relationship to time and deep space. Each month has to do with a different subject. They are very interesting so you all come out and listen. The after meeting took place at Braum's. Can't think of a better place to be on a warm night.

We are going to have a dinner meeting next month on September the 14th at 7:00 P.M. at Moma Lea's in Harrah. Everyone is invited to attend. Be sure have a lot of fun at these dinners.

You won't be hearing from me till the October issue. I will give you the the low down on the dinner and the plans for Batfish operations.

Next business meeting will be October 12 at 7:00 P.M. See you there.

Syrena
W5BMR

I just wanted to say a few words about ham Holiday. It was the best one I have ever been to. I really enjoyed myself. I'm sure next year will be even better. I sure wish I could of meet everyone, but there is always next year. I also had the privilege during ham Holiday of seeing the 34-94 repeater in operation. Joe K5JB took few others and me to see it. I really enjoyed it. It was a very fascinatng experience. I now have a little better understanding of how one works. I am truly interested in repeaters and plan to do some more reading and studying of them. I would like to see a repeater in operation with a phone patch someday. My thanks to Joe for taking the time to show nad explain how the 34-94 works. I also want to thank all the people who work on the repeaters and keep them going. For I know it is not an easy job if you have not seen a repeater in operation and get a chance to, please do. I think you will enjoy it.

73
Donna
KA5GEP

CLUB OFFICIALS PLEASE NOTE ! !

Whether or not yours is an ARRL affiliated club you can list your repeaters in the new ARRL REPEATER DIRECTORY if you have the information to Leagu Headquarters by 1 Nov. 1981. You will need form CD 240 to insure complete and correct listing. Send an s.a.s.e with your request for forms for each frequency to: ARRL, 225 Main, Newington CT 06111. TODAY.

FREQUENCY	LOCATION	AREA	CALL	FREQUENCY	LOCATION	AREA	CALL
52.68-52.525	OKC	C	K5JL	147.75-7.15	Tuttle	SW Cent.	KB5XN
144.61-5.21	Broken Arrow	NE	WA6HNO	7.75-7.15	Grove	NE	K5PJR
4.77-5.37	Eufala	E. Central	WB5OBV	78/18	Tulsa	NE	WB5EVU
4.87-5.47	Tulsa	NE	AB5M	"	Ada	C	WB5PKJ
4.89-5.49	Yukon	C	WA5EYV	"	Seiling	NW	KA5CJG
6.01/61	Hugo	S	WB5TTU	81/21	OKC	C	K5JL
01/61	Calumet	C	K5GDE	84/24	El Reno	C	KB5RJ
01/61	Beaver	NW	WR5ATW	87/27	Stillwater	N. Cent.	WR5ASW
04/64	Granite	SW	W5CHE	"	Tulsa	NE	WR5ASX
04/64	Cavanal Mtn.	E	WR5AII	90/30	Concharti Mtn	NE	WR5AWA
07/67	OKC	C	K5ELL	"	Byron	NW	WD5GJN
10/70	OKC	C	WR5ASI	93/33	Edmond	C	WB5ISN
10/70	Tulsa	NE	K5LAD	"	Muskogee	E. Cent.	WA5UMS
10/70	Ardmore	S	W5RFX	96/36	Big Cabin	NE	WA5ICW
13/73	Woodward	NW	W5HGH	"	Laverne	NW	WD5CSW
"	Stillwater	N. Cent.	WR5AFS	"	Byars	S	WA5IQH
"	Duncan	S	WR5ATV	99/39	Tulsa	NE	WB5NJU
16/76	OKC	C	KC5CW/R	"	Moore	C	K3TGY
"	Bartlesville	NE	WR5ADO	222.28-3.88	Waurika	SW	WA6HGK
"	Elk City	W. Cent.	WB5FBU	2.30-3.90	Tulsa	NE	WB5BET
19/79	Altus	SW	WR5ANX	2.34/3.94	Muskogee	E. Cent.	WB5AOH
"	Ardmore	S	W5BLW	"	Grove	NE	K5PJR
"	Miami	NE	WR5AHY	2.46/4.06	Pryor	NE	KC5FM
22/82	OKC	C	K5JL	2.50/4.10	OKC	C	N5BEQ
"	Tulsa	NE	WA5LVT	3.34/4.94	Tulsa	NE	K5LAD
25/85	OKC	C	WR5AVM	"	Enid	N. Cent.	WR5ABW
"	Muskogee	E. Cent.	W5EJK	2.70/4.30	Yukon	C	KC5IR
28/88	Norman	C	N5MS	437.25-425.25	OKC	C	W5LIL
"	Tulsa	NE	WA5LVT	439.25-427.25	Grove	NE	K5PJR
"	Lawton	SW	WR5AJV	439.425-427.425	Tulsa	NE	WA5LVT
31/91	Shawnee	C	W5SXA	442.85-447.85	OKC	C	
"	Kingfisher	C	pend.	443.825-8.825	OKC	C	WD5AII
34/94	OKC	C	K5VRL	448.0-443.0	Yukon	C	KC5IR
"	Tulsa	NE	WA5LVT	448.9-443.9	OKC	C	N5SW
"	Enid	N. Cent.	WR5ABW	448.65-443.65	Del City	C	K6DBR
"	Durant	S. Cent.	pend.	449.1-444.1	Tulsa	NE	WR5AHN
37/97	Ardmore	S	N5AO	"	OKC	C	WA5TRS
"	Ponca City	N. Cent.	W5HZZ	"	Altus	SW	WR4ANX
"	Claremore	NE	N5TM	449.2/444.2	Tulsa	NE	WA5BPS
40/7.00	OKC	C	WB5TKG	"	Edmond	C	WR5AWJ
6.625-6.025	Norman	C	WA5RPP	449.3/444.3	OKC	C	K5JL
.655/6.055	Bartlesville	NE	K5ULZ	"	Tulsa	NE	K5LAD
147.60-7.00	Tulsa	NE	WA5YPT	449.4/444.4	Muskogee	E. Cent.	WB5AOH
7.63-7.03	Edmond	C	WR5AWJ	"	Enid	N. Cent.	W5HTK
66/06	Pryor	NE	KC5FM	449.6/444.6	Tulsa	NE	N5ANY
"	Norman	C	W5OU	449.7/444.7	OKC	C	WD5FAM
69/09	Oologah	NE	WA5LVT	"	Ponca City	N. Cent.	W5TXF
"	Choctaw	C	K5EGQ	449.85/444.85	OKC	C	WA5CZN
72/12	Edmond	C	WD5FEI	449.8/444.8	El Reno	C	pend.
"	Guymon	NW	WD5EII	449.85/444.85	Claremore	NE	N5TM
147.72/12	Mooreland	NW	KA5CJG	449.975/444.975	Moore	C	K3TGY
75/15	Enid	N. Cent.	WR5ABW				

(concluded next column)

submitted
8/19/81,**N5BEQ**WATERMELON FOR THE DUCKIES

Saturday, August 8, 1981, was the big day for the annual Rush Springs Watermelon Festival.

An energetic group of amateur radio operators provided communications for the 1981 Rush Springs Watermelon Festival on August 8th.

At the request of Mark Brown, WB5YTO, of Rush Springs, metro area hams assisted to maintain traffic flow and stand by for possible emergency communications.

Assisted locally by Mac Vincent, WA5RAS, Rush Springs, Mark Brown obtained help from the following: WB5IMT, Dave Nelson; AE5N, Don Duck; K5SJV, Don Rooker; N5CTT, Sue McGlynn; N5BEV, Bryan DeHart; W5DDE, Bill Monroe; N5DCK, Bob Sikes; KA5LEO, Rachel Sikes; WN5NWX, Reggie Whited; WB5NDO, Kathy Whited; WD5GLO, Louis Nix; N5BEQ, Jim Buswell; WD5ETB, Winston Northcutt.

The operation began at 10:00 a.m. and ended at 10:00 p.m. Most of the group were ARES members.

ARES NEEDS YOU

The Amateur Radio Emergency Service (ARES) of Oklahoma County conducts a 2 meter net on the first, second, fourth and fifth (if needed) Monday of each month. The net begins at 9:00 p.m. on 146.34/.94. Your support would be appreciated.

On the third Monday of each month, ARES meets at the Red Cross building, downtown OKC.

For further information on ARES activities, contact Don Rooker, K5SJV, Oklahoma County Emergency Coordinator.

IDEAL RADIO LOCATION. SILENT KEY WB5NXXO BILL PETERSON'S ESTATE. 3BD, 2BA, HARDWOOD FLOORS, WOODBURNER, CEN AIR & HEAT, FENCED, NEW PAINT IN & OUT, EQUIPPED W/ HY-GAIN MODEL 18-HT "HY-TOWER" 10-80 METER VERTICAL ANTENNA UNDERGROUND WIRING, ETC. 545 NW 36 ST TERR. \$76,500. CONTACT BILL PETERSON JR 525-0885 OR 232-8137.

AMATEUR RADIO EMERGENCY SERVICE (ARES)
PLEASE SAVE THESE PAGES FOR EMERGENCIES!!

ALERT MESSAGE: (TO BE RELAYED TO ALL
MEMBERS)

"THE AMATEUR RADIO EMERGENCY SERVICE
NET IS BEING ACTIVATED ON THE 34/94
REPEATER. LISTEN ON 34/94 FOR FURTHER
INFORMATION."

ANYONE WANTING THE NET ACTIVATED SHOULD
START AT THE TOP OF LEVEL ONE, AND STEP
DOWN THE LIST ONE AT A TIME UNTIL CONTACT
IS MADE WITH SOMEONE. STATE THE NATURE
AND LOCATION OF THE EMERGENCY.

PLEASE CHECK THIS ROSTER VERY CAREFULLY!
FOR CORRECTIONS, ADDITIONS, OR DELETIONS,
CONTACT THE EC OR ANY ASSISTANT EC.

REMEMBER: THE OKLAHOMA COUNTY EMERGENCY
TRAINING NET MEETS ON THE 34/94 REPEATER
EVERY MONDAY--EXCEPT MEETING NIGHTS--AT
9:00 P.M. EVERYONE IS WELCOME AND WANTED.
ALSO, PLEASE JOIN US AT OUR MEETINGS ON
THE 3RD MONDAY OF EACH MONTH. COME IN THE
WEST BACK DOOR OF THE RED CROSS BUILDING
AT 323 N.W. 10TH, AT 7:00 P.M.

CALLING TREE LAYOUT

LEVEL ONE - EC AND ASSISTANTS

- SECTION 1 - SOUTHWEST
- SECTION 2 - NORTHWEST
- SECTION 3 - SOUTHEAST
- SECTION 4 - NORTHEAST
- SECTION 5 - EDMOND
- SECTION 6 - CHOCTAW
- SECTION 7 - OTHER OUTLYING SECTIONS

ANY GOVERNMENT OFFICIAL OR RADIO AMATEUR
OR RED CROSS OFFICIAL CALLS LEVEL ONE.
LEVEL ONE THEN DECIDES WHICH SECTIONS TO
CALL UP AND TELLS CALLERS. CALLERS THEN
PHONE SECTIONS AS DIRECTED BY LEVEL ONE.
LEVEL ONE ACTIVATES NET ON 34/94 REPEATER
AND/OR 3900 AND/OR 7285.

LEVEL ONE - EC and ASSISTANTS:

K5SJV Don Rooker (County EC) 7014 N.W.
61, Bethany 73008 H:721-2119
W: 789-5000, X424

W5HXL Bob Ashby (Advisor) 2837 N.W. 19,
OKC 73107 H:942-5375

WD5IRB Ralph Bartow (Red Cross) 810 N.W.
32, OKC 73118 H: 521-8330

N5BEQ Jim Buswell (ARES Recording Secy.)
1304 W. Park Pl. 73106 H:236-0368

WB5TKG C. Y. Chandler (County CD) 1833
N.W. 7, 73106 H: 232-9005

AE5N Don Duck (Nat'l Weather Service)
3913 S.W. 24, OKC 73108
H: 681-0133 W:682-4622

WA5JGU Charlie Green (Advisor)
3028 N.W. 33, 73112 H:943-5631

W5WZM Mac McClurg (Choctaw EC) 309 Tim
Holt Dr., Harrah 73045 H:454-2381

WB5ZKZ Jack Muse (Trainer-Red Cross Dir.)
10100 S. Shartel Dr., 73139
H: 691-0152 W:232-7121 N:232-7126

WD5DYI Mark Northcutt (Press-C & E)
1509 W. Barclay, 73120 H:755-4672
W: 478-1212, X225

KA5CXW Fred Taylor (City E.O.C.) 915 N.W.
31 St., 73118 H:528-1537 W:734-2034

WB5PWZ Bob White (State CD) 8324 S. Linn,
OKC 73159 H:681-9222 W:521-2137

N5DBM Ken Stepp (Edmond EC) 1109 Apollo
Cir., Edmond 73034 H:341-4874

CALLING COMMITTEE:

N5CTT Sue McGlynn (Chairman) 8741 Roxbury
Dr., 73132 H:722-3407 W:789-5000 234

KA5ERZ Connie Boland, 3008 Rankin Terr.,
Edmond 73034 H:348-0123

KA5FBG Linda Brandt, 132 N. Westchester
Ave., Norman 73069 H:321-5081

N5AWI Lesta Love, 4517 S.E. 27, Del City
73115 H: 677-1078

KJ5C Alwanda Clark, 5825 N.W. 47,
OKC 73122, H:789-3893

SECTION 1: (SOUTHWEST)

WB5TMW Dick Baker, 2400 S. MacArthur
Lot 203, 73128 H:685-2867
W: 278-2082

WD5FKF Reuben Castleberry, 10204 S.
Shartel Dr., 73139, H:691-1070

WB5NKC Arley Garvin

WB5NKD Patricia Garvin, 3409 S.W. 20,
73108 H:681-0534

WA5TDW Jim Lawson, 1336 S.W. 82, 73159
H: 681-1150

WB5TDW Joe Ramage, 4401 S. Agnew, 73119
H: 685-4814 W:231-6052

SECTION 2: (NORTHWEST)

WA5HTL Paul Asplin, 6902 N.W. 57,
Bethany 73008 H:521-2861
W:521-2861

KB5KT Dave Baugh, 3913 N. Shannon,
Bethany 73008 H:787-4183 W:239-2466

WB5RRZ John Beatty, 8404 N.W. 101, OKC
73132, H:721-5395

KA5JUU Martin Brody, 1508 Barclay Rd.
OKC 73120 H:751-3116 W:751-6781

KC5HD John Clement, 4024 N.W. 56 Terr.
OKC 73112 H:942-0186 W:943-2467

KA5IDQ Max Cochran, 3201 N.W. 42, OKC
73112 H:942-3825 W:272-9876 X224

K5SKA Bill DeMand, 2317 N.W. 121, OKC
73120, H:751-5137 W:341-2980 X406

K5WUF Dale Diehl, 3912 N.W. 59, OKC
73112 H: 943-5438

W5OEC Ed Duclos, 8209 W. Golden Oak Rd
73127 H:495-2797 W:232-2362

KA5HRH John Peddersen, 12023 Ashford Dr.
Yukon 73099 H: 373-1537 W:789-5000

N5AKQ William Foster, 208 Tanglewood,
Yukon 73099 H:354-0654 W:789-3450

KC5CR Bruce Goff, 2413 N.W. 113, OKC
73120, H: 751-6276

N5SW Chuck Guschke, 5320 N.W. 114, OKC
73132, H: 722-3190 W:789-1951

WB5RUP Alvin Hall, 2508 N.W. 58 Pl., OKC
73112, H:843-6890 W:848-7571

N5AZO John Harazda, 1905 Janeen, Yukon
73099, H:354-5865 W:427-8371 X279

W5NZS Larry C. Hazelwood 700 N.W. 48,
OKC 73118, H:848-6400 W:842-4403

WB5CTS Steve Hutcherson, 6424 N. Peniel
#41, OKC 73132 H:721-8064 W:721-8064

N5IH Henry Israel, 10301 Basswood
Canyon Rd. OKC 73132 H:722-3848

KA5AQY Buddy Kidd, 10824 Greystone, OKC
73120, H:751-5094 W:521-2671

WD5HRW Oscar Lofstrom, 5109 N.W. 19th
Terr., OKC 73127 H:947-3685

N5FM Frank McCollom, 2421 N.W. 118,
OKC 73120 H:751-3577 W:947-6603

WA5PDH Mike McElroy, 5509 N.W. 66, OKC
73132 H:722-2466 W:325-8991

WD5EXY Bill McMullin, 2011 Huntington
Ave., OKC 73116 H:842-7537
W: 781-3411

KB5XH Haven W. Mankin, 425 N.W. 38,
OKC 73118 H:524-0004 W:632-1661

W5DDE Bill Monroe, 5817 N.W. 32, OKC
73122 H:943-4759 W:235-6411

KA5GTM Dennis Musser, 319 N.W. 26,
H:524-4760 W:525-8282

SECTIONS 3 AND 4 COMBINED -
NORTHEAST AND SOUTHEAST

N5ARV June Allen W:734-4391
WD5EVP Bob Allen W:528-2381
7309 S. Douglas Ave., OKC
73139 H: 632-1708
W5PDH Frank Arnold, 608 Holloway
Dr. MWC 73110, H:737-2582
W: 787-2702
KA5HDL Gerald Brophy, 4013 Vickie
Drive, Del City 73115
H: 672-9185
K5JB Joe Buswell, 3312 N. Idylwild,
MWC 73110 H:732-0676 W:329-8920
KA5DFV Alvin Farrel, 4324 S.E. 16, Del
City 73115 H:677-6587
WB5SVN Jack Iman, 1025 S.E. 42, MWC
73129 H:677-8537 W:686-2403
W5NBH Tiny Irwin, 4345 S.E. 12, Del
City 73115 H:677-1309
WD5IHF Chuck Jay, 6217 S.E. 9, MWC
73110, H:732-6275
W5GNV Gary Knapple, 308 W. Jarman Dr.
MWC 73110 H: 737-2962
W5FX Calvin Ladd, 109 E. Myrtle Dr.
MWC 73110 H: 732-2473
N5ABF Jerry Love, 4517 S.E. 27, Del
City 73115 H:677-1078 W:478-1212
KA5ERL Billy Mills, 3625 Teal, Del City
73115 H: 672-3974
N5DCK Bob Sikes, 5339 Vandenberg,
Tinker AFB 73145 H:737-5728
W: 734-2223
N5CPN Lee Swanson, 5117 Chennault,
Tinker AFB, 73145 H: 737-7776
W: 734-6131
W5FLO Norm Wilson, 601 E. Arbor Dr.,
MWC 73110 H: 737-0258 W:231-4607
WB5QPI Zack Zachry, 3050 Rolling Lane
MWC 73110, H: 732-7255 W:521-3651

SECTIONS 5, 6, 7, ETC.

EDMOND:

KA5ESA Bill Boland, 3008 Rankin Terr.,
Edmond 73034 H:348-0123 W:
KB5RR Clarence Dollmeyer, 2229 Humming-
bird Lane, Edmond 73034 H:341-7163,
W:848-6631
N5BUJ Bob McCoy, Jr., 421 Holly Hill Rd.,
Edmond 73034 H:348-2032 W:751-4550
WD5IDB Howard Wise, 124 W. Wayne, Edmond
73034 H: 341-2510 Shack:341-4573
WD5DYJ Kay Northcutt, 1509 Barclay Rd.
OKC 73120 H:755-4672 W:525-4660
WB6QLL Foy Pulliam, 8006 N.W. 80, OKC
73132 H: 722-2076 W:686-4239
W00HD R.L. Ray, 13 E. Janice #102,
Yukon 73099 H:731-5378 W: 427-6511
KE5M Ron Recer, 10912 N. McKinley, OKC
73114 H:731-5378 W:427-6511
W1GOM Art Roberts, 2941 N.W.44, OKC
73112 H:947-5347 W:525-8991
WB7OAA David L. Roper, 7312 Hummingbird
Circle, OKC 73132 H: 722-2151
WA5TAR Sidney Rose, 2812 N.W. 27, OKC
73107, H:946-5719 W:424-5551
WD5ISS Don Saunders, 3008 Center St.
OKC 73120 H:751-0404 W:843-9653
WD5IDE Harry Schoenhals, 4411 N. Central
Bethany 73008 H: 789-6433
WD5IWZ Lynn Shearer, 10508 N. Greystone
OKC 73120 H:751-9500 W:341-8551
N5PS Pat Sherrill, 3721 N.W. 27, OKC
H: 943-3219
W5PZW Tom Sirilo, 1114 Teakwood, Yukon
73099, H:354-3790 W:943-2406
K5Yaq Clarence Sittel, 2633 N.W. 45,
OKC 73112, H: 947-4015 W:521-2619
KB5BS Bill Skipper, 520 Skylark Drive,
OKC 73127 H:495-0051 W:947-3361
WD5KFT Clara Storm, 6718 N.W. 30 Terr.
Bethany 73008 H:495-6228
K5VRL Jim Williams, 6400 N.W. 30 Terr.,
Bethany 73008 H:789-0769
WB5CNM Randy Williams, 7417 N.W. 31,
Bethany 73008 H:789-7810 W:848-8551

CHOCTAW:

K5VVD Larry Brewer, 14685 S.E. 23, Choc-
taw 73020 H:390-8126 W:734-9271
AB5H Frank Carter, Rt. 2, Box 338,
Choctaw 73020 H:391-3394 W:947-4442
K5EGQ D. L. Colburn, 340 Ridge Rd. Choctaw
H: 390-8440
N5BEV Bryan DeHart, 1013 Sandy Lane,
Choctaw 73020 H:390-9319 W:528-6467

SECTIONS 5, 6, 7, ETC. CONT'D.

CHOCTAW (Cont'd)

KA5ALO Richard Edwards, RR2, Box 14-G
Choctaw 73020 H:390-8297 W:734-2450
WB5PNH Tony Holzman, Box 326, Rt. 2, C11
Choctaw 73020 H: 391-3398

PIEDMONT:

N5AUE Terry Shoemake, Box 93, 200
Harrison, Piedmont 73078
H: 373-2474 W:946-2150

NEWCASTLE:

W5MPA Jim Fletcher, R#1, Box 319,
Newcastle 73065 H: 387-4356

NORMAN:

WB2HXX Jud Ahern, 1815 Lakehurst Dr.
Norman 73071 H:364-0129
W:325-3253
N5GE Tom Childers, 16017 Nelson Rd.
Norman 73071 H:321-8491
W:942-8827

TUTTLE:

WB5INT David Nelson, Rt. 3, Box 155,
Tuttle 73089 H: 381-3057 W:232-6488
KB5XN Jim Seals, Rt. 1, Box 139-S,
Tuttle 73089 H: 381-2005

TECUMSEH:

K5LZF Bob Almand, 711 N. 1st St.,
Tecumseh 74873 H:598-5148
WB5ZBA Earl D. Couch, 209 Kimberly,
Tecumseh 74873 H: 598-3212

CALUMET:

WA5FLT Joe Garland, Box 204, Calumet
73014 H: 893-2660 W:781-4394

KINGFISHER:

WD5GLD Richard Ruhl, Rt. 2., Box 71,
Kingfisher 73750 H: 375-4843
W: 375-5761

GUTHRIE:

WD5BMP Joe Couch, Rt. 5, Box 258,
Guthrie 73044 H:282-4353

EL RENO:

WA5UDK Eddie Lu Anderson, 816 S.
Ellison, El Reno 73036
H: 262-5253
WA5VTH Richard Anderson (El Reno CD)
816 S. Ellison, El Reno 73036
H: 262-5253

BLACKWELL:

N5ANV Vernon Treiber, P.O. Box 28,
322 W. College, Blackwell 74631
H: 363-0935

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405 946-5418 AFTER 5:00 P.M.

12-1

GREAT PLAINS A.R.C.

We had 16 members and guests present for our August meeting. There was discussion on setting up a booth at the county fairs. It was suggested that we set up in and around the emergency vehicle. Anyone interested in helping or has some ideas to contribute, please contact one of our club officers.

We will be starting our upgrade classes on October 6. We will start with the novices and work through the advance ticket. Anyone interested in attending can contact any of our club officers. Their names and numbers are in the front of C.O.R.A.

WBØQGW compiled the contacts for field day. We had a total of 680 contacts. We worked all 50 states, North America, South America, Europe, Asia, New Zealand, West Indies and several maritime stations. Everyone had a lot of fun.

The guys and gals that went to the Ham Holidays did lots of visiting, attended meetings, brought home lots of goodies, and had loads of fun. I am told KØCIC, KA5AAE, KB5XI and KB5XI's XYL were on a casual stroll late Saturday night. KB5XI was even serfing the rest. I gather they had loads of fun. Ask them about it! I'll just say it's a good thing Joy KB5XI's XYL was along to keep them all out of trouble. Then about 1:30 A.M. the same four called WBØPGD and his XYL, WBØQGW. I can tell you folks it sure made us wish all the more we could have been there with them! Maybe next year.

On July 18 WB5OVQ assisted in an auto accident on highway 270. KB5XI Gordon took the call from John and reported it to the highway patrol and ambulance. N5CMW Bill acted as back up and confirmed the ambulance and highway patrol were on the way.

On July 27 and 28 WB5EGZ, WB5DFH, WØDSM, N5CCV and WB5OVQ assisted Father Jack Benedict. He is a missionary priest from Bolivia. He was in a camper and was having engine trouble. This is what "hams" are all about. Keep up the good work guys!

Heard - In - Passing

KØCIC Larry lost his tower and antennas. A hay truck hooked a guy wire and down it all came! WBØPGD Ron helped him put up a temporary pole and 2 meter antenna while he is waiting on the new ones to arrive.

WB5EDD Oren has a new mechanic! WA5PLW Wendle brought in a yellow tractor (MM) and parked it between two Caterpillar rigs in Oren's garage and declared it was a caterpillar. WBØPGD Ron and KØCIC Larry came along and tried to help out! PGD even hung a caterpillar sign on the radiator cap. I don't know folks, but what Oren doesn't have "cat" stickers plastered all over that yellow tractor before Wendle gets it out!

N5CCV finally got a mike on his HF rig!

Lightening struck at KB5XI Gordon's. He lost a lot of equipment. KB5OU Harry also lost some equipment due to lightening. Anyone that's been hit can understand the feeling.

Our new novices KA5LTW Arnold and his XYL KA5LTT Nona are set up with a FT101EE and antenna, 40 and 80 meter Vee. Get them on the air!

Has WD5DFH just about given up amateur radio for radio control airplanes? He has 6 and one of them is a copter. His XYL WD5DFG Donna has one also. Seven airplanes in all. You should see them hanging on the wall of his ham shack!

The last I heard KA5AAE Jim has worked 36 states on 6 meter. This is in a relatively short time. Congratulations!

Congratulations also goes to Gary Gerber KBØHH. He got his extra class.

In the last C.O.R.A. Joe WA5ZNP asked for a story on our radar. I immediately called our president N5CMW Bill and cried HELP! On weather watch N5CMW and WB5EGZ man the radar and do an excellent job. The following is N5CMW's report.

Words From The Forgotten Corner Of The State

Weather Radar

The following is an example of how a storm watch might be conducted.

2:21 AM

Watch conditions: Tornado watch for Ellis, Woods, Harper, and Woodward counties.

Present conditions: Continuous lightening in the west, wind in the east, temp. 81°, and humidity 87%.

2:34 AM

Local police dispatcher calls Doug "WB5EGZ" area CD director, to advise of approaching storm.

2:35 AM

Doug calls out the troops. (Why me!)

2:45 AM

Radar on, damn what a cloud! Report to local police a cell is located 15 miles northwest of Canadian, Texas. Tops close to 65,000 ft., direction of travel not known at this time.

2:47 AM

Report made to Bill WD5DFH area EC. It was decided we will call a storm watch net.

2:50 AM

Net called with check-ins from several towns in northwest Oklahoma.

3:00 AM

Storm location as indicated by radar now 12 miles NNE Canadian, Texas direction of travel ENE at 25 mph. Radar advises net control no need to send out spotters at this time.

3:15 AM

Storm location as indicated by radar 18 to 20 miles west of Shattuck. Ross WB5MZZ reports rain and severe lightening at Shattuck.

3:20 AM

Net control requests mobil spotters to go to the Shattuck area.

3:24 AM

Larry KØCIC from Coldwater, Kansas checks in and requests weather for his area.

3:26 AM

Radar indicates a line of storm cells has developed from Higgins, Texas to Garden City, Kansas with strong cells north of Higgins, Clearlake and Garden City.

3:45 AM

Spotters in the Shattuck area report possible tornado or high winds and request mobil for damage survey. Looks like it's going to be a long night.

As you can see from this outline of a possible storm watch the radar is used to locate storms and furnish information as to where to send spotters. It is not meant to replace spotters, only to help with locating spotters.

CONTINUED NEXT PAGE

Although slow to start we are now furnishing information to 7 Oklahoma counties, 3 Kansas counties and radio stations in Woodward, Alva, and Elk City. We do not guarantee the information and locations provided by radar to be 100% accurate, however, there have been many cases when spotters have reported that we were within 2 miles actual location. It is our feeling that a radar should not replace spotters but be used to place spotters.

Ok, enough button popping, now a little history.

The radar unit was purchased from state surplus about 4 to 5 years ago by the city of Woodward, with some prompting from Roy Morris past CD director. After lots of late hours and head scratching the unit was installed at the Woodward airport. The radar antenna is mounted on top of this tower at 80 feet and the operators station is 30 feet below the antenna. You get in good shape climbing lots of stairs. This radar is an APS-42A training unit from a C-130 aircraft, which has been converted to 120 volts.

We must thank the city of Woodward for their time, money and permission to enable us to undertake a project, that to our knowledge has never been duplicated any where in the country. Roy Morris convinced a very open minded city manager that it could work and hopefully we are not letting them down.

We would also like to thank the following people for many hours of time given to this project.

Jack Luthi - past City Manager
Bennie Davis - Public Work Director
Bob Westenhaver - private business
Doug Maupin - CD Director
Jim Kline - Kline Signs
Melvin Gaston - past Fire Chief
Gary England - KWTB

Radar operator and training personnel from the national weather service.

73's GPARC

PROJECT o H o

OKLAHOMA HOSPITALITY
OKLAHOMA HAMS HELPING OTHERS

THE CONCEPT:

A STATE-WIDE GROUP OF AMATEUR RADIO OPERATORS DEDICATED TO PROMOTING GENERAL GOOD-WILL AND STATE PRIDE THROUGH CONTACT WITH VISITING HAMS, OR HAMS PASSING THROUGH THE STATE OF OKLA. A SORT OF AMATEUR RADIO STATE CHAMBER OF COMMERCE, PROVIDING INFORMATION OF INTEREST TO VISITORS SUCH AS ROAD INFORMATION, POINTS OF INTEREST, ASSISTANCE, ETC. OR JUST GENERAL FRIENDLY VISITING WITH A FELLOW HAM ON A LONELY OR LONG ROAD, SELLING OKLAHOMANS AS THE WORLD'S FRIENDLIEST HAMS.

THE ORGANIZATION:

PROJECT o H o IS A PERSONAL COMMITMENT BY INDIVIDUAL HAMS. IT IS NOT A CLUB. THERE ARE NO DUES. THERE ARE NO OFFICERS. THEY DO NOT MEET AT A SPECIFIC TIME ON A SPECIFIC FREQUENCY OR SPECIFIC REPEATER. o H o STATIONS ARE EVERYWHERE, AT ALL TIMES EACH o H o OPERATOR IS FAMILIAR WITH ALL THE INFORMATION ABOUT HIS SURROUNDING AREA AND IS READY AND WILLING TO ANSWER THE CALL OF CQ o H o WITH A FRIENDLY "THIS IS o H o STATION (CALL SIGN) WELCOME TO OKLAHOMA, MY NAME IS AND I AM LOCATED AT (TOWN), OKLA. MAY I HELP YOU?"

SPREAD THE WORD - TELL ALL YOUR OUT-OF-STATE FRIENDS, WHILE TRAVELING IN OKLAHOMA, TO JUST HOLLER "CQ o H o" ON ANY BAND, ON ANY REPEATER, ON ANY SIMPLEX FREQUENCY--- THEN -- HELP TO PROVE THAT A HAM RADIO OPERATOR NEVER WALKS ALONE IN OKLAHOMA.

REMEMBER: A "CQ o H o" IS A VISITOR! TREAT HIM LIKE ONE, AND WATCH THE IDEA GROW, NATION-WIDE FROM OKLAHOMA. 73, WD5ETB



BICENTENNIAL AMATEUR RADIO CLUB

"To Promote Radio Communications"

Sponsored by Oklahoma Air National Guard
Will Rogers World Airport

The August meeting of the Bicentennial Amateur Radio Club was called to order with the first quorum in three months thanks to an advertised ice-cream-social with formal call and head-count at 7:04 pm on the 11th. There were 35 members and 12 guests present.

The minutes of the two previous called meetings were approved as published in the August Collector and Emitter (C&E).

The Report of the Treasury was approved as presented by the Treasurer, Joe WD5BMP. Current membership stood at 80.

In accordance with the constitutional requirement for one-third of the members to be present to formalize any meeting to conduct business affecting the club, whether called or scheduled, Prez Bill, KB5BS declared the meeting official and open for business.

It was moved, seconded and unanimously passed to offer five years' membership to Bob Pace WA5CJG in appreciation for his valuable assistance with the club's new control system for the repeater.

New CORA volunteer representatives were Joe WD5BMP, Ken K5UAB and maybe Bill KB5BS. The assumption was made that John KH6JTE and/or Jim WA5TDW would retain their active/alternate status. These are the people to convey your input to for CORA, which meets the fourth Tuesday of every month. Elections will be held the monthly meeting in September.

AMENDMENT*AMENDMENT*AMENDMENT*AMENDMENT*AMEND-

It was moved, seconded, amended and passed that in order to reduce the quorum for an official meeting to take place that the constitution be amended to read that "The attendance at any regularly scheduled meeting will be sufficient quantity to conduct business for the club." As this means a change to the Constitution, notice is hereby given to all current or prospective club members that after 30 days from this publication, two-thirds of the club's membership will have to agree by vote in a regularly scheduled meeting in order for this amendment to become part of the Constitution. The meeting in question here will occur on 8 September 1981, 7:00 pm.

AMENDMENT AMENDMENT AMENDMENT AMENDMENT AMENDMENT

It was moved, seconded and passed that beginning with the conclusion of this meeting and until future change otherwise, total club dues requirements are \$10.00 per year (Ten Dollars, American).

The meeting was adjourned at 7:50 pm to the aftermeeting in the garage/shop area for homemade ice cream, cakes and cookies.

The next meeting is scheduled 8 Sep 81 at 7:00 pm same place, so far.

Jim N5BEQ
Secretary

AGE SAGE : HOW TO TELL WHEN YOU'RE GROWING OLDER or IS THERE REALLY LIFE AFTER 40 ? : WHEN YOUR BACK GOES OUT MORE THAN YOU DO.

jim n5beq

PUZZLE CORNER

TNX Sam Weise - W6LXR

Last months answers:

APPOINTMENT

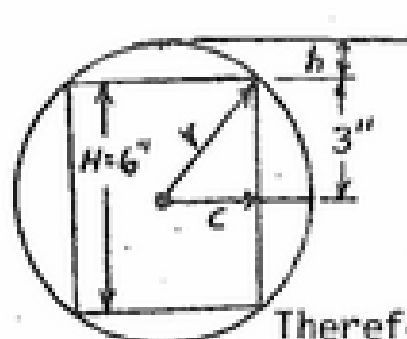
One simple algebraic solution would be:

$$T_1 = \frac{D}{V_1}, T_2 = \frac{D}{V_2}, \text{ since } T_2 = T_1 + 2,$$

$$D = -2V_1V_2, \text{ which equals } \frac{-2 \cdot 30 \cdot 20}{20-30} = 120 \text{ miles.}$$

SPHERE

The answer is constant regardless of the diameter of the sphere for the given length of hole. One solution is:



$$\begin{aligned} \text{Vol. of sphere} &= \frac{4\pi r^3}{3} \\ \text{Vol. of cylinder} &= \pi C^2 H; \text{ and } C^2 = r^2 - 3^2 \\ &= 6\pi(r^2 - 9) \\ \text{Vol. of segment} &= \pi h^2(r - \frac{h}{3}), \text{ and } h = r - 3 \\ &= \pi(r-3)^2(r - \frac{r-3}{3}) \end{aligned}$$

Therefore, Volume remaining in sphere after a 6 inch long hole has been drilled = volume of solid sphere - volume of the cylinder - volume of two segments, or

$$\begin{aligned} V &= \frac{4\pi r^3}{3} - 6\pi(r^2 - 9) - 2\pi(r-3)^2(r - \frac{r-3}{3}) \\ V &= \frac{4\pi r^3}{3} - 6\pi r^2 + 54\pi - \frac{4\pi r^3}{3} + 6\pi r^2 - 18\pi = 36\pi = 113.09 \text{ cu in.} \end{aligned}$$

And now for this month's puzzle and a chance for you to be big hearted and give a friend a subscription to C&E at no cost to you.

CHANGE

A man has \$1.15 in 6 coins. He can not change a dollar, a half dollar, a quarter, a dime nor a nickle..What coins does he have?

CLIPPER CIRCUIT QUIZ

A simple circuit consisting of a diode, resistor and battery can be used as a clipper or limiter, or to shift the zero reference level of a waveform. Just what a particular arrangement will do is predictable if you observe the polarity of the net circuit voltage, diode biasing and each voltage drop.

See if you can match the output waveforms (A-J) with the circuits (1-10). In each case, the input is a sine wave with a peak voltage twice the cell's voltage. The resistor is large compared to the forward resistance of the diode yet small compared to its reverse resistance. The dotted lines represent the undistorted output waveform.

HINT: Assume a cell voltage of three volts and see what happens as the input sine wave goes to +6 and -6 volts in 1 volt steps.

CLIPPER CIRCUIT QUIZ

1.	2.	A.	B.
3.	4.	C.	D.
5.	6.	E.	F.
7.	8.	G.	H.
9.	10.	I.	J.

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HARRY WATTS, KC5OU

WATTS

ELECTRONIC SALES

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Oklahoma City's homegrown hamfest seems to get bigger each year and this year's shindig at the Myriad was no exception. I have to say that I really enjoyed the facility this time around and I hope that it can be a regular Myriad event. The underground parking stole my heart, especially since it was not necessary to go outside the building to enter the hamfest. Now that's a "rain or shine" hamfest.

I began planning quite early for the trip. Actually sometime around 9 p.m. Friday the night before. I had exercised the good judgment to arrange ground transportation with Roger WA5JXX some days in advance. This was more a matter of necessity than of good planning since my car was in the shop with quite a case of heartburn after the fuel line had sprung a leak. It came out of the shop on Thursday before the Hamfest and was running none too well for the time it spent in sickbay. I didn't quite trust it to the City and back, especially since the shop had failed to replace the radiator hose masquerading as a fountain. These poor old cars just get old, bless their hearts, but a quick tour though back to the mechanic on Monday to replace a defective new antidiesseling solenoid and the hose(plus a fuse) fixed everything up quite nicely.

Roger was chafing at the bit to get to the Myriad and since he is an early riser, the sooner the better. I, on the other hand, believe that 6:30 a.m. only comes once a day. We finally compromised on getting to the local doughnut shop about 7:00 a.m. for a round one and a cup of coffee. Meanwhile, Jim WB5YWO called and had driven down from Stillwater to spend Friday evening in OKC and was going to come down for breakfast before heading back to the City. I rogereed the doughnut stop to him and after Roger arrived (we were about 15 minutes or so behind schedule at this point), I loaded up the van with those items I had determined the previous night that I could live without.

This time I determined to turn some of the old goodies in the back room into new goodies, so I actually requested a flea market table when I sent in the preregistration (another first, still didn't win anything, though). Roger was sure that he would turn some of his backlog of radio assundries into the HF portable dream machine, the (tadaa) IC-730. He, of course, would not purchase it at Ham Holiday since that would foolishly cost him about an extra \$35.00 in sales tax, but he would definitely make the necessary arrangements with some lucky vendor.

I actually didn't believe that it would happen. I don't believe in the tooth fairy or the easter bunny either. I mean, Roger has been talking about this radio for over a year. What I didn't count on was him seeing the radio in the flesh. It was almost too much for him to stand. The semicatonic state when he walked close to the AGL booth was my first tipoff that Roger was going to be mainlining HF. Later, his astounding success at the Flea Market gaming table helped put it over the top. The only thing I feared was that he would put the money in the bank before he bought the radio a week or too later and it might never be heard from again. Roger squeaks when he walks.

Good fortune continued when Joe K5JB told me that Hoss WA5ZAI would be in town for the occasion. The hamfest was beginning to take on a Dayton flavor with all the regular crew planning on the event. K5JB walked around with at least three radios and I broke out the Motorola "potable" Drink-A-Talkie for the occasion. Sure would like to have poured a drink for that nice looking young lady at Digital Research. I did get a picture of her, though. And it is true

that a picture is worth a thousand words.

Since I had reserved a flea market table, I was able to get an early sneak look at the exhibits and flea market. Roger had borrowed his Dad's two wheeler and I must say that it was quite handy in eliminating a couple of trips to unload the truck. Jim and Roger and I managed to stock the table quite easily. Later, Joe WA5ZNF came by and asked if he could set out the old issues of C & E for giveaway on my table. I, of course, am in favor of anything that increases traffic.

Roger took the first watch at the table and I heard him start his "barker" routine as I wandered away. I thought that the commercial exhibits were quite good. Bill Brodie brought along a gigantic display of all kinds of goodies. I stopped by and bought a narrow CW Filter for my TS-130 at Kryders. Icom was showing their new 220 Mhz transceiver that matches the IC-2AT in looks and accessories. They had the merest hint (unofficially, of course) that the new UHF Walkie Talkie (that matches the IC2AT, of course) would be available soon. I guess it is time for me to get one on order. Of course, with any potential synthesized radio becoming popularly available, the resulting population explosion could destroy the band.

I didn't spend any time talking or looking at Bash's booth. I didn't like him when I met him at Dayton either. It sounds to me like a simple way to make a buck and sell some books. I know that this might sound trite, but anything that is earned is more appreciated. I don't buy this jazz that everybody is entitled to share in the social aspects of amateur radio. Amateur Radio is not a coffee club, it is a technical hobby. It is a disciplined service that serves itself and the public. By continually invalidating the amateur exams (developed at some cost to the public), you degrade the hobby. I would endorse Bash's approach if it followed the method taken by the FAA in providing the test questions for pilot's license examinations. But in this instance the FAA has a total of 720 test questions that a person must learn. If you learn all those questions, then you know something about being a pilot. If the Commission were to expand the test questions to 500 or so, then there is a possibility that you might well have to know something about radio to answer the questions. However, learning radio theory is not a rote exercise, but requires some mental processes to perform. Oh, well, a lot of that comes with experience. I am wondering what will happen to the amateur license if "services" such as Bash's continue. Look what happened to the Radiotelephone First Class License after Elkins and their ilk turned it into a "You pay your money and you get your license" mill. The Commission just recently abolished the First Phone in a Report and Order that stated the Commission had found that there appeared to be no correlation between the test and technical ability "The license is inadequate in assuring technical competence." So if you cheapen the license examination, you cheapen the license. Bash Go Home.

I saw the Encomm Booth and their new 450 radio. Its still a little big. The IC2-AT and the comparably sized (I am told) 450 Walkie Talkie is a plain vanilla radio, but very effective. Ellard had a host of nifty surplus equipment and TET had their antennas on display. I don't have to tell you the outstanding features on display at the Digital Research Booth. Their electronics was exceptional. The only reason I didn't spend very much is because I didn't get back to their booth before the drawing on Sunday. I still have their catalog. The boys selling the MDS down-converters (oops, 2.3 Ghz) also had the Dexcel combo preamp and mixer and one of the nicest looking Satellite receivers I have seen in a long time. This

beauty looks like a fine piece of stereo equipment. The total cost of a downlink receiver came in under 4K bucks, but for some strange reason included everything but the rotor cable (to turn the preamp-mixer for the cross polarized channels). I don't know too much about performance, but the Dexcel boys spoke at the first Satellite TVRO seminar that I attended in Oklahoma City and I was impressed with their talk.

There were a lot of booths that dealt with the variety of amateur radio visual paraphernalia. I suppose that kind of stuff falls under the category of cute. I don't really have a name badge, but I did buy a belt buckle from those guys at Colorado Silver one time. I also got a couple of hats one time, but didn't put any lettering on it. I left them blank and I'm going to get my mother to stitch a Cessna patch onto it. One of the hats was way too small, so it gets shipped off to my nephew.

After the first swing through the exhibits, I began to scour the flea market. There were plenty of tables, but the goings were a little slow. JB and I almost bought a couple of Tempo 220 Mhz synthesized walkie talkies, but fortunately they wanted too much and somebody else bought them. I saw a neat SB-34 for just \$150 or so. That is a bargain rig for the mobile or portable operator. It is all solid state except for a couple of tubes in the transmitter. Output is on the order of 50 or 60 watts, but its virtue lies in the fact that it has a complete 110 VAC or 12 VDC power supply built in. If I didn't have a TS-130 and wanted to spend as little money as possible, this would be a definite oldy but goodie.

A guy with a large surplus table next to mine had some Sorenson 5 volt power supplies rated at 7 amps. I had stared at them for quite some time trying to figure out if I could add two of them together to make a 12 volt power supply. After some conversation with the proprietor, I went ahead and sprung for a couple to see what the deal was. After I got the supplies home, I began playing with the sense leads by putting some resistance between them and the output to see if I could get some increase in voltage. Most high current OEM type commercial grade power supplies have sense leads for both the positive and negative leads which are used to allow the voltage to be regulated from a long way off, that way you don't have to compensate for long leads and the consequential IR voltage drops across the leads. The sense leads draw no current so they are able to accurately regulate the voltage past the supply lead length at the equipment not at the terminals of the power supply.

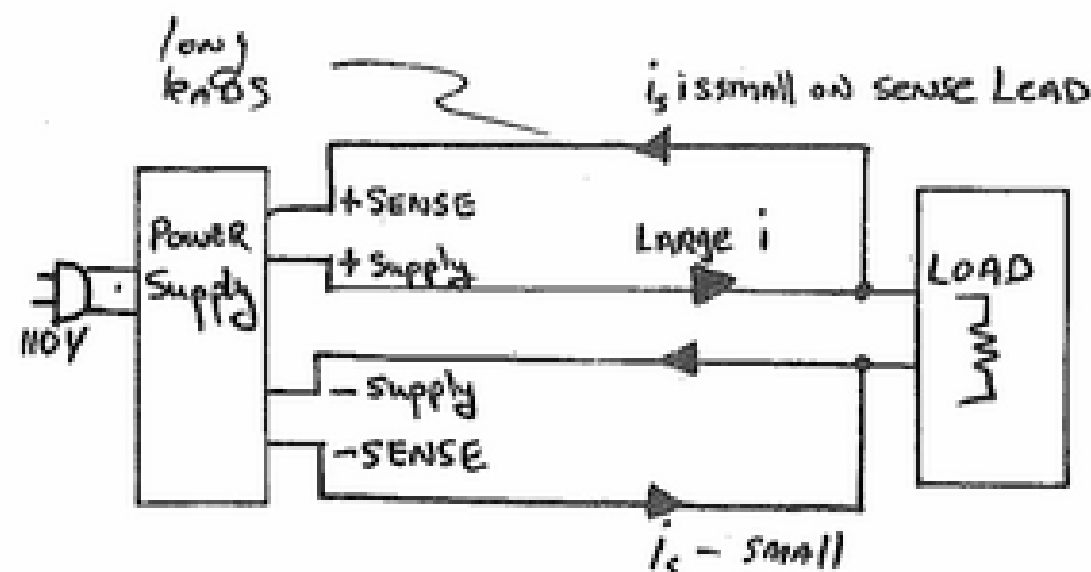


Figure 1. Power Supply with Sense leads.

When the power supply leads to the load are very short, the sense leads are shorted to the appropriate + and - terminals. The equivalent circuit is shown in Figure 2. It can be seen that the + and - leads have some finite resistance R_w in each lead and you will have a voltage drop iR_w on each lead from the power supply to the load. I began by intentionally introducing some resistance between the + power lead and the + voltage sense lead. The voltage eventually began to increase because I was fooling the power supply into thinking that there was

a lot of wire and hence a lot of voltage drop on the power leads and the output voltage began to increase to make up for "drop." This was an unsatisfactory method of raising the voltage from the power supply

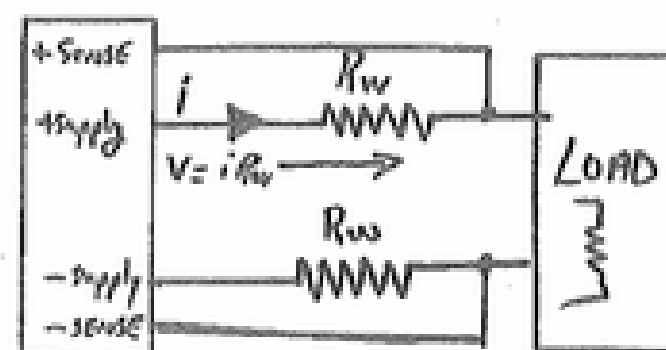


Figure 2. Equivalent Circuit of Power Supply and Load with power leads with resistance R_w .

since the sense leads are very heavily damped to prevent current surges with sudden changes at the load.

I next measured the voltage across the filter capacitor. It was 18 volts so I knew that I would be able to get 12 regulated. I didn't have a schematic, but I did hit upon putting a resistor in series with the voltage adjust lead and that solved the problem beautifully. Apparently Sorenson and Lambda build all these power supplies alike and just change them to vary the voltage output. I checked the output with a Fluke 8020A and a scope. I could draw 4.5 amps out of the supply and the ripple didn't exceed .1%, not bad for a \$15 investment. They were a real buy.

I picked up a couple of other items in the flea market, but not much to speak of. I am afraid that with my house filling up with spare parts that I am getting selective in my old age.

JB had another beer while I sat around and read the paper as we were waiting for the banquet. I had planned to leave early to get back to the house, but JB threatened to break my arm and anybody else who wasn't going to stay for the banquet. This almost included Roger who had to go home to Norman to answer the call of nature for his dog. When he left at midafternoon, I didn't think that he was going to come back, but a change of plans got him back in time for the banquet and he avoided JB's wrath.

The activities on Sunday were generally more of the same, but I found them particularly boring since I didn't win anything at the prize drawing. I know that they gave prize after prize away, but for the life of me, I didn't know anybody who got a prize. Even lucky Joe didn't win a prize. The most excitement we had was when Channel 4 came around and wanted to do a closer through the local 444.1 machine.

Ham Holiday held up quite well this year since it was the West Gulf Convention. It was nice of Harry Dannels from the League to drop by and visit. I still think that the Myriad is a great facility and the hamfest can grow without limit. It will be quite some time before they fill up the entire location. Should that ever happen, then they will be pushing Dayton. I understand that the cost of the facilities and refreshments is a little less than the previous site. All this means is more money poured back into the prize drawing. Mighty Oaks from little acorns

Next stop will be Texoma, unfortunately, there will be a football game that weekend, so might not be able to swing it until Sunday. After that it will be a long drought until Dayton in April. Oh well, I can always enjoy football, at least until January 1.

Micheal Salem N5MS

A couple of months ago I mentioned about a bill introduced in the Legislature intended to ban radar receivers and jammers. After a little friendly persuasion, the prohibition against radar receivers (Fuzzbusters and the ilk) was dropped leaving only a prohibition against Jammers when the Bill was signed by the Governor at the end of June. I had intended to get a copy of the this new law by now, but due to circumstances beyond my control, . . .

Anyway, the bill is now law and it could spell some difficulties for amateurs who operate 10 Gigahertz mobile. Now, don't laugh, this is a legitimate mode of operation and your mere possession of a certain type of transmitter could make you a criminal. I spoke with Representative Cleta Deatherage who was very helpful in keeping me informed about the Bill. I think that given the appropriate amount of opposition, that we could have also prevented the ban on transmitters.

The State of Connecticut has had a law banning receivers for about two years now. But no more. The Superior Court Appellate Division has recently handed down a decision that overruled the actions of the state police who have been confiscating driver's radar detectors under a law dealing with "unauthorized reception of police radio signals.

The essential element of the court's decision is that the receivers and their possession were not, in and of itself, illegal. The Court was examining a ruling of the State's Commissioner of Motor Vehicles that forbid the "use or installation of radar detectors." The unanimous three-judge panel concluded, "It is clear that the radar detector taken from the defendant cannot be the subject of forfeiture on the grounds that it had been used in violating (the regulation) any more than such a penalty could be imposed with respect to his car, which was similarly used."

This news item appeared in a recent issue of Electronic Engineering Times which further stated that the decision did not resolve the issue of appropriation of a microwave receiving device, a matter concerning many "hamradio" operators who have had their mobile ham gear appropriated by local police.

"According to Robin Boyer, an engineer with Microwave Devices in Houston, 'We've been in touch with several hams who've been using our gear on X-band at 10.525 Ghz, who've had trouble with overzealous officers. These guys know their FCC rights, and the police don't give a hoot for their rights as licensed hams.'"

Boyer's company manufactures X-band transceivers that can be used in mobile operation. Boyer further stated, "I'd love to be stopped by an officer and see him appropriate my gear. Microwave Devices products are recognized by the FCC as legal transmitters, even though they have been known to interfere with police radars. After all, they do share the same frequency of operation--as do most microwave doppler security alarms."

Well, I think that righteous indignation is OK, but try to explain that to a Connecticut HP Officer who probably won't care as you swell up into a puff adder. I mean, really, do they think for a minute that the Police Officer is going to sit there while you read the Communications Act of 1934 to him. No, he will confiscate the device and ask questions later. We will probably be faced with a similar situation under the Oklahoma law forbidding radar jammers. I suppose that means that if I am carrying my Gunnplexer with me or any of my microwave sources, that they will be subject to forfeiture just because

they are capable of jamming a police radar. Then they better take my UHF radio as well as a variety of other electronic goodies inside my car. I used to have great sport setting off Fuzzbuster's in the next car. You pull up along side the car, then key the UHF mobile unit (10 watts or more on UHF), and watch the person in the next lane disappear as he stomps on the brakes when the little red light comes on. This is definitely great fun. But I sure don't want to give up my UHF radios.

Since radar of the doppler variety used for police speed measurements is nothing more than an audio counter set to a particular time base, it is not really very difficult to interfere with one if you wanted to. A CB radio could do it (Some of those stations could put a California Kilowatt to shame). The variables are really quite large. In any case, amateurs experimenting with 10 Ghz could be in trouble.

The news item that I saw also reaffirmed the right in Connecticut to the right of a trial by jury for a radar detector owner. Connecticut, like most states, discourages defendants in a radar case from seeking a jury trial. This is a pretty expensive procedure.

I am going to get a copy of the law on radar jammers and see what it is like. Watch this space.

Micheal Salem N5MS

FIRST PHONE GONE WITH THE WIND

I mentioned previously about the Commission on June 16 adopting a "Fourth Report and Order" in Docket 20817, eliminating the Radiotelephone First Class Operators radio license and changing the rules to allow the holder of any commercial radio operator's license, except the marine radio operator permit, to perform all technical duties at broadcast stations. And this, my friends is the passing of an era. No more will we see pictures in QST of some 12 year old kid who has both an Amateur Extra and First Phone License.

The First Phone has become an anachronism. Elkins and license mills of that type created a situation where First Phones were like, in the words of a friend, "German Marks after the war." If you had the money, you could get a license. The Commission had for many years required a First Phone on duty at most radio stations and the "combo" jock and First Phone was a leg up on most people in the radio job market. The First Phone also used to be the responsible person for the proper operation of the Broadcast Station, but now the Commission has shifted that burden to the Station licensee. "Current technology had obviated the need for the day-to-day employment of highly trained operators; other regulations effectively assured broadcast station compliance with FCC technical standards; and station licensees will, in most cases, retain qualified operators anyway, because it is in their best interest to do so" as the Commission's Order went.

Under the new rules, no new radiotelephone First Class operator licenses will be issued, and the Commission will no longer administer Commercial Element No. 4. The Second Class License will be renamed the "General Radiotelephone Operator License" and current radiotelephone First and Second Class Operator's licenses will be valid until expiration.

Until new license documents can be prepared, the Commission will continue to issue renewal Radiotelephone First and Second Class licenses. A public notice will announce when the General

Radiotelephone operator's licenses will be ready for issuance.

The Commission adopted this Order despite apparent voluminous comments which have been filed during the four years that the rulemaking has been in progress. The Commission also received over 287 Congressional inquiries, and stated that none "were in support of the proposal." I am sure that most currently employed First Phones were opposed to the Order since it has the ultimate effect of decreasing their worth to the local broadcast station in terms of meeting an FCC requirement. The Commission is right that most stations will continue to hire people who will help them meet the technical requirements, but the First Phone was a signpost used by stations to determine the minimum qualification of a potential candidate. There are many First Phones that don't know which end of the soldering iron to pick up.

One matter of concern is that despite the "voluminous" comments and Congressional inquiries, apparently most in opposition to the proposal, the Commission still adopted the decision to abandon the First Phone License. It could only be assumed that the Commission did so in the face of all the opposition. I am sure that much of this heat was generated by the Society of Broadcast Engineers and other organizations intent upon maintaining First Phone salaries, but some of these organizations have already recognized that the mere possession of a First Phone License does not mere that technical competence necessarily follows. Many have started an accreditation or registration process intent upon providing evidence of additional ability and qualifications on the part of their members.

My concern is not only for the loss of my First Phone, but the Commission's attitude in abolishing the license the face of all the opposition. This could happen with the new plain language rules. Fortunately, the economic interests are not as prevalent in the amateur rulemaking process, but I do worry that the Commission might be so proud of their new "plain language" rules that they might impose them even though there is opposition.

Micheal Salem N5MS

DEEP IN THE HEART O'TEXAS (BROADCAST MUSEUM)

Stan WB5UIY and Joe WA5FLT and I got up a quick plane flight to Dallas for the sidewalk sale a couple of weekends ago on the first Saturday of the month. I didn't think that I was going to be going because the airplane was unavailable, but it freed up at the last minute. I made a quick call on the radio to catch Stan about to attend a Superman movie and caught Joe at his house.

This was my first trip to the Dallas sale at its new location on Ross Avenue off the North Central Expressway, but I kind of like the new location. The quality of the goodies seemed to have picked up from the last time I was there. The trip was uneventful, but after we left about noon, we met John Graham, Dean N5AMV and Jack and drove downtown to the Texas Broadcast Museum clear across downtown Dallas at the corner of Ross and Market streets. The Museum is a non-profit tax exempt corporation that has begun to take donations of vintage broadcast equipment for display in their museum area. I have seen previous displays of theirs at the Texas State Fair including the still operational vintage 1938 still operating radio station console. This was the first time that I have seen them in their new location. The on the ground display is an amazing amalgamation of equipment. They have a variety of working phonographs, roller organs, gramophones, vintage radios, audio consoles,

TV cameras, tapes of old radio shows, cylinder records, and music records. I also saw some old amateur equipment in the collection including a couple of vintage tube receivers. They had a 5 kilowatt broadcast transmitter that fits in the space where a 20 kilowatt would go these days.

As a part of the amateur radio equipment display were a couple of amateur radio operator callbooks from 1928 and 1931 published by the Department of Commerce that listed all the then current licensed operators by call, location and power used. Just for grins I looked up W5TC in the June 30, 1931 edition and found that it was listed as the Alpha Sigma Delta Fraternity (L. M. Edwards trustee) at 702 Lahoma Street in Norman. I didn't find W5YJ, but I did find W5YI license to the Wallace Technical Institute (D. R. Wallace, trustee) at 600 Terminal Building, West Grand Avenue in Oklahoma City. There, of course, was no zip code. In the June 30, 1928 issue, W5TC was licensed to Thomas J. Reed in Natchez, Mississippi who operated with a mighty 10 watts. So it is safe to say that W5TC was licensed originally between 1928 and 1931.

I understand from a conversation a long time ago with Charlie Harp, former professor of Electrical Engineering at OU that the Alpha Sigma Delta Fraternity was a regular organization with a house and other fraternal accouterments. Those people who shared an interest in radio could join and stay in the frat house. I don't know how long that lasted, but I know that the club kept a license for many years as Charlie was the trustee and kept it properly renewed.

If W5TC was licensed in 1931 or earlier, then it would seem that the OU Club passed a 50th anniversary some time ago. And I have a feeling that I missed the party. I didn't have time to check the book, but it would appear to me that this is the oldest continuously licensed radio organization in the state. Anybody got any additional light on this subject? Well, anyway congratulations to the OU Club on their 50th anniversary or is it the 51st, 52nd,

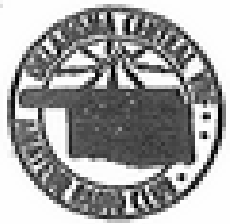
Anyway, the Texas Broadcast Museum is a nice diversion if you are in downtown Texas and have nothing to do. The amateur equipment display is a little thin, but I am sure that they will accept donations from interested individuals. And you can even look at your "voice" on an oscilloscope or play your voice back over the monitor through an endless loop tape.

Micheal Salem N5MS

HUMBLE PIE DEPARTMENT

K5JB threatened to break my leg if I didn't attend the banquet at Ham Holiday. I suspected that something might be up when my plans through the afternoon changed my schedule to miss the banquet and Joe threatened to make good on his promise. I appreciate the Certificate that I got and I can only say that there are many more people who are more deserving.. Joe's plaque (?) was well deserved and I was very happy to see him get it. Anyway, I am grateful to the League and CORA and I thank you. Harry Dannals almost swallowed his bowtie when I offered him a drink from my Motorola HT "potable" while we were posing for pictures and I think he almost asked for the certificate back, but at least he is a good sport.

Micheal Salem N5MS



Club
NEWS

VOLUME
The Official Newsletter

MINUTES OF CLUB MEETING.

JULY MEETING WAS CALLED TO ORDER BY PRESIDENT RALPH, WD5IRB AT 8:05 PM WITH 15 MEMBERS AND GUESTS PRESENT.

AFTER TREASURER'S REPORT BY ELLARD, W5KE, A MOTION WAS PASSED TO APPROVE DONATION OF \$500 TO THE OKC ANTENNA DEFENSE FUND BY CORA IF SURPLUS IS AVAILABLE AFTER HAM HOLIDAY '81.

MOTION WAS PASSED THAT THE CLUB ADVISE CORA THAT 1989 IS BOTH OKLAHOMA CITY'S CENTENNIAL AND ARRL'S DIAMOND JUBILEE YEAR.

WATERMELON FEED IS SCHEDULED FOR AUGUST 21 AT THE NORTH SHELTER AT WILL ROGERS PARK, SAME PLACE AS LAST YEAR. STARTING TIME WILL BE APPROXIMATELY 6:30 PM.

MEETING WAS AJOURNED AT 8:31 PM.

MINUTES WERE TAKEN BY PAUL, WA5HTL, AND JIM, N5BEQ, AND TRANSLATED BY JOE, K5JB, SECRETARY, WHO WAS ABSENT.

WHAT TYPE OF TYPE IZAT TYPE?

THE OLD TRUSTY TELEGRAPHER'S MILL IS SETTING OVER IN THE CORNER DURING THE PRODUCTION OF THIS MONTH'S C&E COLUMN. IT IS THE FIRST TIME IN MANY YEARS IT WON'T BE CALLED ON TO DO IT'S BEST TO PRODUCE HEAVY BLACK TYPE THAT CAN BE FAITHFULLY REPRODUCED AND REDUCED INTO C&E COPY THAT CAN BE READ BY MY WEAK EYES AFTER IT IS PRINTED. NOW THAT NEWSPRINT IS BEING SUBSTITUTED FOR PAPER IN THE FINAL COPY, IT IS ALL THE MORE IMPORTANT THAT THE TYPEWRITER DO A RESPECTABLE JOB. THE LAST ISSUE WAS PRETTY GOOD BUT ONE PAGE OF THE FIRST NEWSPRINT ISSUE WAS A BOMB. WITH ALL DUE RESPECT TO THE OLD MILL, THERE IS A NEW BABY IN THE JB HAM SHACK AND IT'S GOING TO GET A WORKOUT ON THIS ISSUE.

AFTER A LITTLE HORSE TRADING WITH VERN, K9JTW, AND MUCH TENDER DOCTORING BY TYPEWRITER WIZARD JIM GREENSHIELDS, WD5HPU, I AM NOW THE PROUD OWNER OF A LIKE NEW IBM SELECTRIC CORRECTING TYPEWRITER. THE CORRECTING FEATURE WILL ALLOW ME TO TURN OUT MY COLUMN TWICE AS FAST, AS YOU WHO HAVE SEEN THE CAMERA READY COPY I SUBMIT, CAN TESTIFY. EVEN THAT LITTLE COMMA I JUST ADDED AFTER "MIT" IN THE LINE ABOVE, IS A TRICK THAT WILL SPEED UP CORRECTION OF MISTEAKS. THIS PARTICULAR MODEL OF MACHINE IS THE ONE WE USE IN MY OFFICE AND THE GALS LOVE IT. I HAVE OFTEN CAST A COVETOUS GLANCE AT THEM, THE TYPEWRITERS, THAT IS, BUT KNOWING HOW STICKY THE PROCUREMENT REGULATIONS ARE, I ALSO KNEW THAT I WOULD NEVER OWN ONE, EVEN AFTER THEY ARE WORN OUT AND DISCARDED.

HAVING THESE TYPE OF MACHINES AVAILABLE AT THE OFFICE DOES PROVIDE ME WITH A UNIQUE OPPORTUNITY TO TEST A NUMBER OF DIFFERENT TYPE STYLES. AFTER LOOKING AT THE IBM CATALOG AND DOING A LITTLE SWEET TALKING TO THE GALS, I WAS ABLE TO BORROW SOME INTERESTING TYPES OF TYPE. AFTER PRESENTING MIKE, N5MS, WITH THE EVIDENCE IN THE FORM OF SEVERAL PARAGRAPHS DONE IN DIFFERENT TYPE TYPES, I RECEIVED HIS DECISION. "RUN A CONTEST AND SEE WHAT THEY THINK." HE PASSED DOWN. "THE WINNER GETS TO READ YOUR COLUMN IN HIS FAVORITE TYPE TYPE." HE SEZ. OK, SO HERE IS THE FIRST TYPE TYPE. IT IS CALLED 1403 OCR, WHICH IS SHORT FOR OPTICAL CHARACTER READER. NOTICE THE SCREWY FIGURE "1". AS FAR AS I CAN TELL, IT IS THE ONLY CHARACTER I MAY HAVE TO TAKE MY FILE TO. THE OTHER UNUSUAL THING IS THAT THERE ARE NO LOWER CASE LETTERS. I'M USED TO THAT THOUGH. THE OLE MILL HAD NO LOWER CASE LETTERS. ONLY TIME I MISSED 'EM WAS WHEN I HAD TO TYPE DB. BOY, I HATED TO MESS THAT ONE UP. ANYBODY WHO HAS ANY LEARNING KNOWS IT IS DB NOT DB. JUDY, KA5BJS, HAS TAKEN ME TO TASK FOR TYPING IN

ALL CAPS. SHE AND OTHER LEARNED PEOPLE CLAIM THAT IT IS HARD TO READ. IF SO, WHY DOES TELETYPE CORP. DO IT? WHY DOES WESTERN UNION DO IT? I DUNNO, BUT I DO IT BECAUSE I LIKE IT! THERE ARE A FEW DRAWBACKS TO THIS TYPE BALL. IT DOESN'T HAVE AN EXCLAMATION OR AN INTERROGATION POINT. LET'S TRY A DIFFERENT TYPE BALL FOR THE NEXT PARAGRAPH.

NOW THIS ONE IS CALLED ORATOR. IT IS MY FAVORITE BECAUSE IT LOOKS JUST LIKE THE TYPE ON MY OLD MACHINE. IT HAS NO LOWER CASE LETTERS BECAUSE IT IS USED FOR TYPING SPEECHES. THE UPPER CASE LETTERS ARE REALLY WORTHLESS BECAUSE THEY ARE JUST GREAT BIG UPPER CASE LETTERS, THAT WOULDN'T BE MUCH OF A PROBLEM IF THE NUMERALS WEREN'T GREAT BIG ALSO. ONE CAN'T AVOID NUMERALS IN AMATEUR RADIO ARTICLES "K5JB" FOR EXAMPLE. OF COURSE AMATEUR CALLS ARE IMPORTANT ENOUGH TO JUSTIFY TYPING "K5JB", SO THAT'S NOT TOO BAD BUT REFERENCE DESIGNATORS SUCH AS R38, Q3, C21, AND SO FORTH HAVE TO BE HANDLED IN THE SAME MANNER.

EVENTUALLY, I WILL CONTACT AN IBM REP AND SEE IF THIS TYPE FACE IS AVAILABLE WITH NUMERALS OF THE SAME SIZE. AFTER THE REDUCTION OF 35% OR SO, THE BOLD NATURE OF THIS TYPE HOLDS UP WELL. JIM GREENSHIELDS SUGGESTED THE MACHINE BE MODIFIED TO SPACE A LINE AND A HALF WHEN THIS TYPE IS USED. I'LL MULL THAT ONE OVER AND PERHAPS TRY IT ON ONE OF THE MACHINES AT THE OFFICE WHICH HAS THAT OPTIONAL FEATURE.

ONE TYPE BALL I FORGOT TO TAKE HOME FOR TEST RESIDES ON A MACHINE CONNECTED TO ONE OF OUR COMPUTERS. IT IS A GOTHIC TYPE WHICH I LIKE AND IT CAN BE FOUND IN MATERIAL TYPED BY JOE, WA5ZNF. ONLY PROBLEM HE HAS WITH IT IS THAT IT IS ELITE TYPE AND HIS MACHINE IS LOCKED INTO 12 CHARACTERS PER INCH. THIS TYPE, BY THE WAY IS PICA, OR 10 CHARACTERS PER INCH.

This type is Courier, typed at 10 per inch. In contrast, it falls quite short of the Orator type above but I feel it should be good enough when reduced. It is an attractive type which stands up well when copied on an office copier and makes easy reading when used for manuscripts, particularly when double spaced.

One distinct advantage of this type is that I own the type ball. I am finding it hard to think of much else to say about type types but there needs to be enough text for comparison to be made. Of course, with this type, and the one that follows, the pressure is on to watch the capitalization. At least, dB would be no problem with this type.

This type is Prestige Elite, which I really like. Unfortunately I'm afraid it will be pretty tiny when reduced for the old magazine. It is tempting to mix type styles in the column but I don't think it would be a good idea. A year or so ago, judges commented that the C&E would look better if it was typeset of produced using the same type throughout. Of course. Unfortunately, the production methods used don't permit such elegance. If I was impressed by that, I would lobby for hiring typesetting, longer lead times and just hand scribe the material.

One advantage of this type ball is that more material can be crammed in the same space. I think I would rather have the luxury of spreading the type out a little bit. When done at 10 per inch, this type may be more readable. It doesn't look as good but, when reduced it may be easier to see.

Well, there it is. Only one type ball is left but somehow I don't think it will be appreciated. $\tau\eta\iota\varsigma$ $\omicron\upsilon\epsilon$ $\iota\varsigma$ $\tau\eta\varsigma$ $\sigma\upsilon\mu\beta\omega\nu$ $\beta\alpha\omega\omega$ $\uparrow\tau$ $\iota\varsigma$ $\xi\sigma\epsilon\phi$ $\iota\theta$ $\sigma\rho\epsilon\psi$ $\iota\omega$ $\rho\acute{\epsilon}\theta\rho\sigma\sigma\epsilon\sigma'$ $\epsilon\nu\omicron\epsilon\lambda\eta$ $\omicron\iota$ $\tau\eta\alpha\tau$

Well what do 'ya think?

Joe, K5JB

HAM HOLIDAY 81-THANKS!

WELL, HAM HOLIDAY '81 IS OVER AND I HAD A GREAT TIME. PUTTING SUCH AN AFFAIR ON WITH SUCCESS TAKES MANY HOURS OF WORK BY MANY DEDICATED PEOPLE. I WANT TO EXPRESS MY THANKS AND THOSE OF OTHERS WHO ENJOYED THE WEEKEND.

I THOUGHT THERE WAS AN EXCELLENT BALANCE OF PROGRAMS, FLEA MARKET, AND DEALERS OF NEW EQUIPMENT. MY FAVORITE, THE FLEA MARKET, WAS WELL LAID OUT AND POPULATED WITH HIGH QUALITY FLEA MERCHANTS. THIS YEAR, I NEVER DID GET AROUND TO MY USUAL FINE-TOOTH COMBING OF THE AREA, SPENDING LESS THAN \$15.00. I FINALLY CAME TO THE CONCLUSION THAT THE SOCIAL ASPECTS OF A LOCAL HAMFEST ARE THE MOST IMPORTANT PARTS OF THE MEET. SEEING SO MANY FRIENDS IN ONE PLACE AT ONE TIME MAKES IT IMPOSSIBLE TO DO A FLEA MARKET JUSTICE.

I FINALLY YIELDED AND PLACED MY CARCASS ON ONE OF THE TABLES SO I COULD ENJOY ALL THE EYEBALL QSO'S IN COMFORT.

ROGER, WA5JXX, AND MIKE, N5MS, ENGAGED SERIOUSLY IN THE FLEA MARKET ACTIVITY BY SETTING UP A TABLE AND DISPLAYING THEIR FLEAS. THIS WAS FORTUNATE FOR ME BECAUSE BECAUSE I HAD A HANDY PLACE TO STASH MY STUFF AND PRETEND I WAS REALLY SERIOUSLY FLEA-SHOPPING.

THE REAL SUPRISE AND PLEASURE HAPPENED AT THE BANQUET SATURDAY NIGHT. THE HONOR OF RECEIVING THE PLAQUE AND BEING INCLUDED IN THE COMPANY OF N5MS, W5KE AND W5REC, RECEIVING AWARDS OF APPRECIATION, WAS TRULY EXHILARATING. BEING ASKED TO SPEAK PUT ME ON THE SPOT. I'M NOT MUCH OF A PUBLIC SPEAKER, BUT I USUALLY HAVE SOMETHING TO SAY. HOW MANY WAYS CAN ONE SAY "THANK YOU"?

EVERYONE ALWAYS COMPLAINS THAT THE PRIZE DRAWING TAKES TOO LONG. NONSENSE! I LIKE SEEING A WHOLE BUNCH OF STUFF GIVEN AWAY. MAYBE IT IS THE SUSPENSE. I WAS HOLDING TICKETS FOR MY HOUSE GUESTS FROM OMAHA WHO HAD STARTED HOME EARLY. ONE NUMBER CAME WITHIN TWO OF THE NUMBER ON HOSS', WA5ZAI, TICKET AND ONE NUMBER CALLED MISSED MINE BY THREE. NOW THAT'S EXCITING!

WELL, AGAIN, THANKS TO THOSE MANY COMMITTEE MEMBERS WHO SPENT ALL THOSE LONG HOURS, ATTENDED ALL THOSE MEETINGS, MADE ALL THOSE PHONE CALLS AND WROTE ALL THOSE LETTERS. ALSO, THANKS FOR MISSING ALL THE ENJOYABLE PARTS OF THE HAM HOLIDAY '81 WEEKEND WHILE YOU MADE SURE ALL THE DETAILS WERE ATTENDED. JOE, K5JB

AMATEUR DB'S AND COMMERCIAL DB'S

I HAVE RUN INTO A PUZZLING ANTENNA SITUATION IN THE LAST MONTH AND IT MAY BE A BIT PREMATURE TO COMPOSE AN ARTICLE ON IT BUT HERE GOES. MAYBE SOMEONE HAS THE ANSWER.

EVER SINCE I HAD A DISAPPOINTING EXPERIENCE WITH A 450 MHZ RINGO RANGER, I HAVE JOKED THAT THEY ARE DUMMY LOADS WITH INCIDENTAL RADIATION. THERE IS PROBABLY A PERFECTLY REASONABLE EXPLANATION FOR THE PHENOMENON BUT WHEN THE RINGO WAS REPLACED BY A COMMERCIAL ANTENNA, THERE WAS APPRECIABLE IMPROVEMENT IN PERFORMANCE. WELL IT IS HAPPENING AGAIN. MAYBE SOMEONE CAN 'SPLAIN TO ME HOW AN OUT OF RESONANCE, MAXIMUM POSSIBLE GAIN OF 9DB, FOUR BAY ANTENNA CAN EXHIBIT ALMOST THE SAME PERFORMANCE AS THE MAJOR LOBE FROM A PAIR OF STACKED ELEVENTS, BY GUESS WHICH MANUFACTURER?

HERE IS THE SITUATION. I WAS FORTUNATE TO GET A BROKEN DB 264 WHICH WAS BEING DISCARDED. THE MAST WAS BROKEN AND IT WAS NECESSARY TO DISASSEMBLE IT, REMOVE THE BROKEN MAST SECTION, REATTACH ONE OF THE ELEMENTS AND SIDE MOUNT IT ON THE TOWER. THE CENTER OF THE ANTENNA IS ABOUT 25 FEET OFF THE GROUND. THE PAIR OF ELEVENTS IS INSTALLED ON A SEPARATE TOWER AT ABOUT THE SAME HEIGHT. BOTH ANTENNAS ARE FED WITH ABOUT THE SAME LENGTH OF COAX, THE ONE GOING TO THE BEAM BEING THE BETTER OF THE TWO BY A COUPLE OF DB. THE BEAM IS MATCHED AS WELL AS I CAN DO IT (THEREIN MAY LIE THE PROBLEM) AND THE DB 264 RESONATES AT 160 MHZ. SWR ON THE DB 264 IS 1.8:1 AT THE ANTENNA ON 147 MHZ.

HERE ARE THE RESULTS. WITH THE BEAM POINTED RIGHT AT SOMEONE, THE SIGNAL IS ONLY A COUPLE OF DB HIGHER THAN THE DB 264. ALL OF THE ELEMENTS OF THE DB 264 ARE POINTED TOWARDS OKLA

CITY AND THE SAME THING HAPPENS ON THE BACK SIDE OF THE TOWER. IT SOUNDS CRAZY BUT THE DB 264 PERFORMS IN ALL DIRECTIONS ALMOST AS WELL AS THE FRONT SIDE OF THE BEAM. I DON'T KNOW WHAT THE PUBLISHED FIGURES OF THE BEAM CLAIM BUT I WOULD SURELY EXPECT THE THING TO HAVE AROUND 13 DB, OR SO ABOVE A DIPOLE.

THE BOTTOM LINE IS THIS. AT MY HOUSE, A BROKEN DOWN COMMERCIAL OMNI-DIRECTIONAL ANTENNA HAS BETTER PERFORMANCE THAN A COMPLICATED BEAM ANTENNA REQUIRING A ROTOR TO PUT IT PRECISELY ON THE STATION BEING WORKED, IF IT IS IN THE FRINGE. THERE IS ACTUALLY A SLIGHT EDGE IN GAIN ON THE BEAM BUT WHEN POINTING THE THING IS CONSIDERED THE OMNI WINS HANDS-DOWN.

CURIOUS BUT TRUE. ANY OPINIONS? JOE, K5JB

OSHKOSH - WHAT THE HECK IS THAT - B'GOSH?

OSHKOSH, THE ANNUAL MECCA TRIP THAT IS TO AIRPLANE PEOPLE WHAT DAYTON IS TO RADIO PEOPLE, HAPPENED LAST MONTH AND I GOT TO GO AGAIN THIS YEAR. THE EXPERIMENTAL AIRCRAFT ASSOCIATION HAS ITS NATIONAL CONVENTION AT OSHKOSH WISCONSIN THE FIRST TWO WEEKENDS (AND THE WEEK IN BETWEEN) IN AUGUST. THE LAST TWO YEARS I WAS ACCOMPANIED BY AIRPLANE ENTHUSIASTS WHO WERE ALSO RADIO AMATEURS SO WE MADE GREAT USE OF THE RADIOS TO MORE EFFICIENTLY COVER THE GROUNDS. THIS YEAR I HAD TO DEPEND ON THE AGONY OF THE FEET. I WON'T GO INTO THE DETAILS OF THE EVENT BUT THERE WERE A COUPLE OF NOTEWORTHY RADIO HAPPENINGS. THE OSHKOSH AMATEUR RADIO CLUB SETS UP A STATION ON THE AIRPORT, RIGHT IN THE MIDDLE OF THINGS AND TAKES TRAFFIC. OPERATING WITH THE CLUB CALL, W9KKK, VOLUNTEERS PASS TRAFFIC VIA NTS NETS ON 75 METERS AT 12 NOON AND 5 PM EVERY DAY. I VISITED WITH MERRILL, WB9KZH, AND CARL, WB9JSW, ONE DAY WHEN I NOTICED THE RADIO TRAILER WASN'T FULL OF PEOPLE. THE COFFEE POT WAS ON AND THE HOSPITALITY FLOWED FREELY, ALONG WITH THE CONVERSATION.

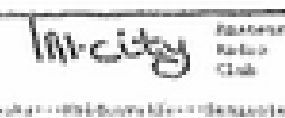










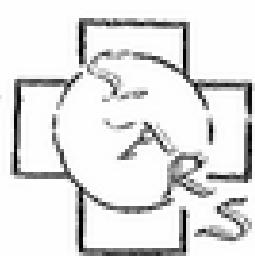


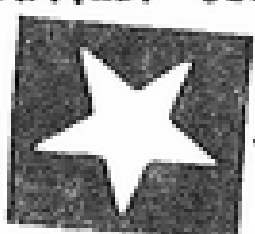
THERE WERE A NUMBER OF TWO METER HANDHELDS BEING CARRIED AROUND THE AIRPORT AND THE GUYS IN THE CLUB STATION WERE GETTING REGULAR CALLS FROM HITHER AND YON. THE TWO LOCAL REPEATERS, 147.84/24 AND 147.345/945 WERE GETTING A REGULAR WORKOUT AS WELL AS 146.52. SINCE I DIDN'T TRAVEL WITH AMATEURS, I DIDN'T BOTHER TO CARRY A RADIO AROUND WITH ME. AFTER A DAY OF WALKING I RELAXED AT THE AIRPLANE CAMPSITE BY LISTENING TO THE TOWER HANDLE THE AIR TRAFFIC. THE STRIKE DIDN'T SEEM TO AFFECT THE SMOOTHNESS WITH WHICH AIRPLANES WERE CLEARED TO LAND AND TAKE OFF (AT THREE TIMES THE RATE OF O'HARE, THE BUSIEST AIRPORT IN THE COUNTRY). TERMINOLOGY WAS A BIT LOOSE SOMETIMES (6788 MIKE IS CLEARED TO THE OKLAHOMA CITY AIRPORT, YOU BE CAREFUL, YOU HEAR?).

THE ONLY PIECE OF RADIO EQUIPMENT THAT CAUGHT MY EYE WAS A 720 CHANNEL AIRCRAFT BAND HANDHELD. IT COST NEARLY 800 BUCKS! HMM, WONDER WHAT IT WOULD TAKE TO CONVERT AN IC-2?

JOE, K5JB

CASSETTE TAPE RECORDER SPEED MEASUREMENT

HERE IS A METHOD I USED TO CHECK THE SPEED OF A CASSETTE TAPE RECORDER. USING A DATA CASSETTE CONTAINING APPROXIMATELY 25 FEET OF TAPE. I TIMED THE PERIOD TAKEN TO RUN THE TAPE THROUGH THE MACHINE. TO GET AN ACCURATE MEASUREMENT OF THE TAPE IN THE CASSETTE I PULLED ALL THE TAPE OUT OF THE THING (WITHOUT DETACHING IT FROM THE REELS), STRETCHED IT ACROSS THE KITCHEN, AND MEASURED THE LENGTH OF THE LOOP WITH A TAPE MEASURE. DOUBLE THAT FIGURE WAS 302 1/4 INCHES. SUBTRACTING THE GAP ACROSS WHICH THE TAPE WAS EXPOSED IN THE CASSETTE LEFT 301.75 INCHES. DIVIDING THIS FIGURE BY 1.875, THE SPEED OF A PERFECT MACHINE, YIELDS 160.933 SECONDS. TWO RUNS ON THE MACHINE WITH A STOPWATCH RESULT IN TIMES OF 154.29 AND 154.31 SECONDS, OR 4.12% FAST. THIS IS OUTASIGHT WHEN SPEED CAN BE REGULATED TO 1/2 PERCENT, BUT THERE IS A PROBLEM. ALL MY TAPES HAVE BEEN RECORDED WITH THIS MACHINE. OH WELL, SO MUCH FOR ACADEMICS. NEXT MONTH WE CAN COVER WOW AND FLUTTER. THAT'S WHAT ONE GETS WHEN A C-90 CASSETTE UNWOUND IN THE FRONT YARD. FORTY FIVE MINUTES OF TAPE IS 421.875 FEET LONG. FOLDED IN HALF IT IS ONLY 210 FEET, 11 1/4 INCHES LONG, OR LESS THAN A CITY BLOCK. IF THERE IS ANY BREEZE, ARE YOU KIDDING?, THAT'S FLUTTER. WOW, YOU HAD BETTER FIND A SHORT DATA CASSETTE... JOE, K5JB

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
		MORI  1 G P				
	LABOR DAY 	  Showcase		ALTUS AREA 		FLEA MARKET
6	7	8	9	10	11	12
	CHOCTAW ARC  USAF MARS	 FIC FIDELITY INVESTMENT COMPANY INC.	EDIT Central Oklahoma Radio Amateur COLLECTOR - EMITTER 	kay		
13	14	15	16	17	18	19
EARS		Showcase Amateur Radio  C.O.R.A. ELECTION				
20	21	22	23	24	25	26
HAPPIEST JOE'S 	BIRTHDAYS !!! and...			SEPTEMBER		
27	28	29	30			

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