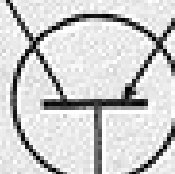


SECOND CLASS MAIL

Postmaster, see page 3

CENTRAL OKLAHOMA RADIO AMATEURS
COLLECTOR AND EMITTER



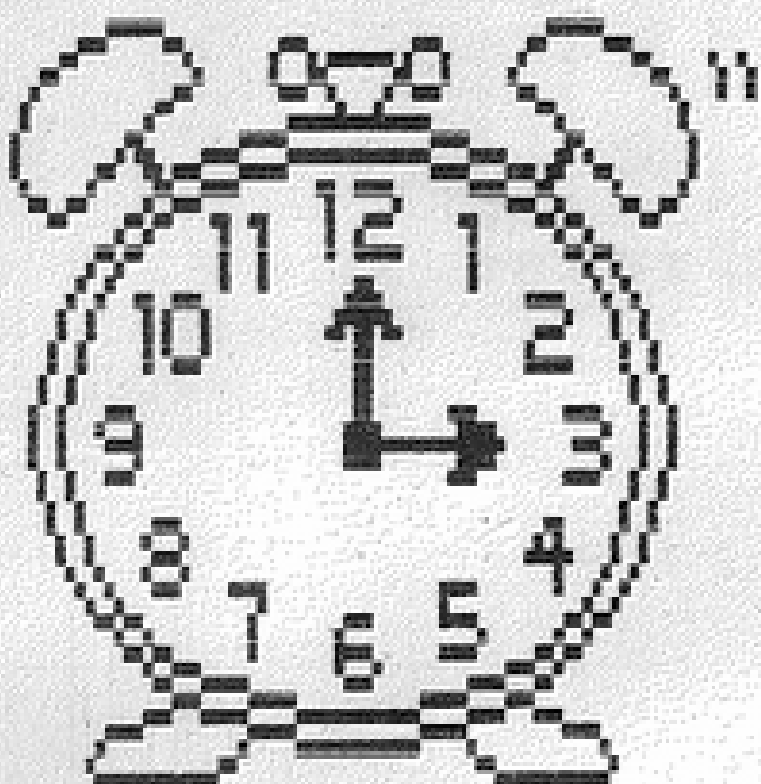
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HURRY UP JOE!

TIME TO GET

WELL!

WA5ZNF ON MEND! STORY ON PAGE 5.

**PREREGISTER FOR
HAM HOLIDAY/ARRL WEST GULF CONVENTION**

CENTRAL OKLAHOMA RADIO AMATEURS

proudly invite everyone to attend our *bigger and better*

HAM HOLIDAY/ARRL WEST GULF CONVENTION

GRAND AWARD



**KENWOOD TS-940S ALL
MODE TRANSCEIVER**

LIST PRICE \$1799.00

PRE-REG AWARD



**ICOM IC-735 COMPACT
TRANSCEIVER**

LIST PRICE \$849.00

AUGUST 1, 2, 3 LINCOLN PLAZA OKLAHOMA CITY

INFORMATION & RULES FOR HAM HOLIDAY

FACILITIES: HAM HOLIDAY/ARRL WEST GULF CONVENTION will be held in the Convention Center of Lincoln Plaza, 4445 N Lincoln Blvd, Oklahoma City OK. Commercial exhibits may be set up Friday night. Security has been arranged.

PROGRAMS: Something to interest everyone. There will be the usual displays, forums and seminars, from Beginning to Extra. There will be programs on DX, Antennas, Satellites, FM, Computers, Packet Radio and many others. Special groups will hold meetings: ARRL, Night Owls, Oklahoma Repeater Society, SMIRK, MARS and CORA to name a few. There will be many programs for ladies - they will be kept busy

FLEA MARKET: (Non Commercial Only). Every Pre-Registrant may rent ONE table for \$7.00 (to cover our cost). Additional tables are available on the Pre-Registration form. (Tables MAY be available at the door for \$10). The 30,000 sq ft area is indoors and Air Conditioned, with easy access doors for setting up. No displays or "tailgating" will be allowed in the parking lot.

7:00 Open to registrants for setup. Back doors.

9:00 Open to all REGISTERED people.

4:00 CLOSE. Start to clear tables.

5:00 Tables will be removed. People who want tables together should order them through one person. This includes clubs or individuals. Submit Name & Call Sign of persons sharing tables to NSFNU. Only exhibitors will be allowed prior to 9:00am. You may set up any time after 7:00. No flammable liquids, explosives or weapons allowed.

PARKING: There is plenty of FREE parking surrounding the convention site. Several eating places are nearby. Free parking for SELF CONTAINED RVs.

HOSPITALITY ROOM: It will be there, but, the Lincoln Plaza Staff will handle the coffee and eats.

AWARD POLICY: The winner and/or his ticket MUST be present to claim any award EXCEPT the Pre-Registration award. You may sign your ticket for someone else to hold for you. Unclaimed Pre-Registrations will not be deposited for the main drawing - only for the Pre-Registration drawing.

TRANSMITTER RESTRICTION: In order for any ticket holder to be eligible to win a AMATEUR TRANSMITTER he/she must hold a valid amateur license, or there

must be a licensed ham in the family.

PRE-REGISTRATION: \$10.00 with attached form. All envelopes must be postmarked not later than July 23, 1986 to be eligible for the Pre-Registration award. Packet with necessary tickets will be held at the door. To AVOID REGISTRATION LINE: Include 50c before July 10, and registration(s) will be mailed to you between 7/16/86 and 7/23/86. No limit on number of tickets you may purchase. No refunds. Winner need not be present, for this award only.

ADMISSION: \$10.00 Pre-Registered. \$12.00 at the door. Registration tickets must be worn in plain view for entry into ANY area, including exhibit halls, program areas, flea market, commercial exhibits except Smorgasboard, Early Bird Breakfast or Night Owl Met.

SMORGASBOARD & OCWA BREAKFAST: Smorgasboard will be held at the Heritage House, on Northwest Highway, west of Portland, at 7:00 pm Saturday. The OCWA Breakfast will be held at the Lincoln Plaza at 8:00 am Sunday.

LAST NAME _____	FIRST _____		
ADDRESS _____	CALL _____		
CITY _____	STATE _____ ZIP _____	@ \$10.00	\$10.00
(Additional Registrants. Same address. Eligible for everything.)			
NAME _____	CALL _____	@ \$10.00	-----
NAME _____	CALL _____	@ \$10.00	-----
NAME _____	CALL _____	@ \$10.00	-----
RESERVE-----FLEA MARKET TABLES (SATURDAY ONLY)		@ \$7.00	-----
RESERVE-----ADULT SMORGASBOARD TICKETS		@ \$8.00	-----
RESERVE-----CHILD'S SMORGASBOARD TICKETS (6 TO 12)		@ \$5.00	-----
RESERVE-----OCWA BREAKFAST TICKETS (AT LINCOLN PLAZA)		@ \$7.25	-----
ARE YOU A C O R A MEMBER (YES) (NO)			
SEND PRE-REGISTRATION WITH CHECK/MONEY ORDER TO:		TOTAL AMOUNT ENCLOSED -----	
HAM HOLIDAY P.O. BOX 60084 OKLA CITY OK 73146			
MUST BE POSTMARKED BEFORE JULY 23. PLEASE! NO REFUNDS. AVOID REGISTRATION LINE! INCLUDE 50c BEFORE JULY 10.			
CHECK THIS BOX () AND REGISTRATION(S) WILL BE MAILED TO YOU BETWEEN 7/16/86 AND 7/23/86.			

Will you be taking an FCC Examination YES()

Indicate CLASS OF EXAM:
YOU MUST ENCLOSE:

Check for \$4.25 Exam Fee -----
Form 510 (Completed)

Xerox of current license (if any)
BRING WITH YOU ON TEST DAY

Pen or Pencil
Calculator (if desired)
Drivers License (Or other suitable ID for minors)
ORIGINAL of your current license (You get it back)

FRIDAY NIGHT at Lincoln Plaza
AUGUST 1 7:00pm

Please send to:
FCC EXAMS
DON KELLEY, KASUOS
703 W 8th St
Edmond OK 73034

Use a separate envelope-
Separate check for Exam.

THESE CORA MEMBER CLUBS PROMOTE AMATEUR RADIO

1 AERONAUTICAL CENTER ARC
MEETS: FIRST THURSDAY, FLIGHT STANDARDS
BUILDING, FAA, S. MACARTHUR
PR JACK INAN, WBSVH 677-8537
VP TOM HANAHAN, KSLDI 677-5291
SE GLORIA SEIGNIOUS, WDSJPM 722-1740
TR BOB PACE, WASCJE 376-3569
EDITOR: GLORIA SEIGNIOUS, WDSJPM 722-1740

2 CENTRAL OKLAHOMA VHF CLUB
MEETS: 10:00AM THIRD SATURDAY, RED CROSS
10TH AND HUDSON (BACK DOOR) OKLA CITY
PR JERRY WETMORE, KDSIS 524-5080
VP HUGH BENSON, KASDGY 946-0023
SE JOE BUSWELL, K5JB 732-0676
TR ELLARD FOSTER, W5KE 789-6782
EDITOR: JOE BUSWELL, K5JB 732-0676

3 MID-OKLAHOMA REPEATER, INC
MEETS: 8:00PM FIRST TUESDAY, OKLAHOMA CIVIL DEFENSE
WILL ROGERS BLDG., STATE CAPITOL
PR DOC BOMERS, KXSM 942-7738
VP TIM REUSCHER, KASNU5 848-9910
SE MIKE SAMBUCCO, KASTSD 672-9176
TR SID GERBER, WSKOI 737-1050
EDITOR: MIKE SAMBUCCO, KASTSD 672-9176

4 OK CITY AUTOPATCH ASSN.
MEETS: 7:30PM THIRD TUESDAY, OKLA CITY FIRE
TRAINING CENTER, 800 N PORTLAND
PR DON ROOKER, WDSH 721-2119
VP DON SAUNDERS, WDSISS 721-0404
SE CHARLES HOFFERBER, W5FNU 340-4468
TR ART HERMANDEL, KF5DK 354-9724
EDITOR: DON ROOKER, WDSH 721-2119

5 OKLAHOMA UNIVERSITY ARC
MEETS: 7:30PM SECOND TUESDAY (SEP-MAY)
119 WILSON CENTER, 1334 S JENKINS
PR LUKE NOAH, KASBAY 325-1775
VP JOHN MUSTENBERG, KESN 325-2382
SE PETER RICHESON, KASCOI 329-3217
TR GREG SMITH, KASLZN 366-1641
EDITOR: GREG SMITH, KASLZN 366-1641

6 ALTUS ASSOCIATION
MEETS: 7:30PM SECOND THURSDAY
NORTH MAIN FIRE STATION (CD) ALTUS
PR DWIGHT DENNIS, WBSKRH 482-2498
VP
S/T MIKE SCHENKLE, WSVIU 482-1797
EDITOR: MIKE SCHENKLE, KBSIN 482-1797

7 BICENTENNIAL (76ers) ARC
MEETS: 7:00PM SECOND TUESDAY, OG&E BLDG.
SE 3RD & E. K. GAYLORD BLVD.
PR DONALD DUCK, WESN 691-4199
VP TED VANLANINGHAM, WDSJNT 262-1675
SE JERRY SPROUL, WSAUH 354-2061
TR TOM WEBB, WAPAFM 737-6716
EDITOR: JIM SEALS, KBSIN 381-2005

CENTRAL OKLA RADIO AMATEURS
MEETS: 7:30PM FOURTH TUESDAY, RED CROSS
BLDG. 10 & HUDSON OKLA CITY (BACK DOOR)
PR DON SAUNDERS, WDSISS 751-0404
VP JIM BUSWELL, W5BED 236-0368
SE KATHY WHITED, WBSNDQ 799-1457
TR SUSAN ST LAURENT, KF5LG 324-8180
COM/CON: CHARLES HOFFERBER, W5FNU 340-4468

9 WHEATSTRAW ARC
MEETS: 2:30PM SECOND SUNDAY, LOCATION VARIES.
SEE CLUB SECTION FOR DETAILS.
PR JOE GARLAND, W5FLT (CALUMET) 893-2660
VP JOHNNY FISH, K56BN (CALUMET) 893-2227
S/T GEORGE MASCHINO, K566L (OKARCHE) 263-7614
EDITOR: VIRGINIA BENEDA, N5END (WATONGA) 623-7935

19 OKLA INDEPENDENT AR
MEETS: 7:00PM SECOND TUESDAY
SOUTHWESTERN BELL OFFICES, PONCA CITY
PR DAVE WHITE, WNSLUI 765-5707
VP VERNON TREIBER, W5ANV 767-1571
SE GLEN BISHOP, JR, KASPB 767-1031
TR BIZ WICKY, W5WCO 762-3297
EDITOR: DOUG EVERITT, W5DUB 359-0069

11 EDMOND AMATEUR RADIO SOCIETY
MEETS: ODD MONTHS, 3RD SUNDAY, 2:00PM, EDMOND
EOC. DINNER, EVEN MONTHS, 3RD FRIDAY.
PR BOB MCCOY, JR., W5BUJ 348-2032
VP LEE VAUGHN, KASWIS 348-2961
S/T AMBER THOMASON, KASVEK 478-4615
EDITOR: AMBER OR BOB

12 QUARTER CENTURY WA
MEETS: QUARTERLY AT VARIOUS PLACES.
NET: 3855 kHz SUNDAY AT 8:00 AM.
CHM ROBERT RUNYON, AA00 373-1818
VCH GENE NAILEN, K5OLE 341-8289
S/T HOWARD BAKER, W5AS 721-5453
EDITOR: ROBERT RUNYON, AA00 373-1818

13 KAY COUNTY ARC
MEETS: 7:00AM THIRD THURSDAY
PIONEER DRIVE-IN BANK, PONCA CITY OK
PR DAVE LAND, KDSFY 762-8616
VP STEVE SCOTT, KAS58K 762-8117
S/T HARRY BEATTIE, W5BPR 765-3862
EDITOR: CHARLIE NORTH, N5EYD 765-8136

14 CIMMARON ARS
MEETS: 7:30 PM THIRD THURSDAY, W5FUD RADIO SHACK
827 S 13, FAIRVIEW
PR STEVE SCHOONMAKER, W5FUP (405) 886-3274
VP BILL SIMPSON, W5HOK (405) 883-5523
SE MADINE PAINTON, W5FMH (405) 764-3599
TR BETTY DAY, KASRTW (405) 227-3462
EDITOR: JACK DAY, WNSZ (405) 227-3462

15 SOUTH CANADIAN ARS
MEETS: 9:30AM SECOND SATURDAY, RED CROSS BLDG.
NORTH OX CAMPUS, NORMAN
PR JEFF WYKE, KESER 329-6762
VP FRANK RIZZO, W2OCM 321-2899
TR MONTE BATEMAN, W5SPX 329-7485
SE LINDA BRANDT, W5DWN 321-5081
EDITOR: DAVIS EGLE, K5SIT 321-7570

I bet that you could sell
an ad for the C&E. They are
just 45c a square inch.
Business cards are only \$30
a year. Try it.

16 EDMOND AMATEUR RADIO CLUB
MEETS: 7:00PM SECOND MONDAY. SEE CLUB
SECTION FOR LOCATION AND TYPE
PR MARK NORTHCUTT, WDSOYI 755-4672
VP BOB MOORE, KASETA 799-1765
S/T KAY NORTHCUTT, WDSOYJ 755-4672
EDITOR: MARK NORTHCUTT, WDSOYI 755-4672

17 OKCPM USERS GROUP
MEETS: 7:30PM, SECOND THURSDAY
OSU, ROOM 307
PR WILLIAM COOTER
VP JIM WHITE 364-5289
S/T JOY-MELTON 789-0280
EDITOR: WILLIAM COOTER

18 GREAT PLAINS ARC
MEETS: 7:30PM FIRST TUESDAY
WOODWARD PUBLIC WORKS BLDG.
PR WINDLE HATCHETT, W5PLM (FT. SUPPLY) 766-3561
VP LEWIS PATTERSON, W5KFK 256-2111
SE LOIS FORD, KASPYA 923-7683
TR FREIDA PATTERSON, W5EDX 256-2111
EDITOR: LOIS FORD, KASPYA 923-7683

TRI-CITY AMATEUR RADIO CLUB
MEETS: 1ST THURSDAY OF THE MONTH.
PLACE:
PR ROBERT DOLTON, KASRHU 379-2365
VP RON PHILLIPS, W5SUPU 382-1856
S/T J. B. BILLS, KESNU 379-3992
PO BOX 655, HOLDEVILLE OK 74848
EDITOR:

20 ARDMORE ARC
MEETS: 7:30AM 2ND SATURDAY, CORRAL RESTAURANT
INFORMAL: EVERY WEDNESDAY, 221 9TH NW
PR GENE SOUTH, W51JA 223-8252
VP HOWARD ROBINSON, W5FAJ 223-5726
SE JIM CHILCOAT, W5JCX 226-6816
TR JOHN MERLYN, W5FZD 223-9543
EDITOR: JACK GANT, W5GM 223-2619

10 COCO
MEETS: 9:00AM SECOND SATURDAY, RED CROSS BLDG.
NW 10 & HUDSON. DUES \$10.00 PER YEAR
CH BOB PACE 376-3569
VC BOB HELMS 733-3429
S/T KAYE DERRYBERRY 681-0461
EDITOR: KAYE DERRYBERRY 681-0461

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EDITOR: Joe Harding, W5ZNF 737-1044
CIRCULATION: Bob Graham, W5NSV, 677-8685

Q. R. Zedd

ZEDD READY FOR HAM HOLIDAY

The world's premiere DXer, Q. R. Zedd, A5A, made an appearance at the town of Noble's Rose Rock Festival early in May, and took time out from signing autographs to reveal his plans for Ham Holiday in Oklahoma City later this summer.

Zedd, whose Honor Roll Ranch is just a hoot and a holler north of Noble, said he plans to mosey around the flea market and tell the faithful a few secrets of DX and life in general.

The legendary amateur radio operator who has worked all stations on all bands was married not long ago to his long-time companion and QSL secretary, Tondelayo Schwartz, W5FPN. "Once I had activated Atlantis from underwater stations, I figured I might as well relax a while and give Tondelayo her chance for happiness," Zedd said modestly. "Besides, the way the bands are most days at this point in the sunspot cycle, I had some spare time."

At Ham Holiday, Zedd said, he will try to address some of the following bothersome questions concerning DX:

ONE -- Why is it that most of the good stuff seems to go QRT just when you've found him and gotten tuned up?

TWO -- How come W7PHO calls some operators "loverboy," but never calls you that?

THREE -- What weird effect of propagation lets W5LFK give some DX station a 5-9 when the same DX station is 2-2 (at best) at your station eight miles away?

FOUR -- How do you explain it when you spend \$16,000 on the best towers and beams in your quest for DX, and finally work about 35 countries, and then visit a great DXer in Shawnee or someplace and find that he's got a busted Yagi on a rusty old windmill tower, and the rotor last rotated in 1966, and the beam is tied to the north with a piece of clothesline, and he's worked about 360 DX counters, including three or four last week when you couldn't even hear the colorburst crystal in your own TV set?

FIVE -- What do you do with those 99 memories in some of the newest hf rigs?

SIX -- Why is it that every time you get some time off to chase DX, either the band is dead or a gopher just ate

through your coax?

SEVEN -- After you've tried to QSL a new one in the Indian Ocean or somewhere, and you've already guessed that your report was 5-5, 4-4, 5-4, 4-5, 3-4 and 4-3, which way should you guess next, to make the master of ceremonies think it was a good contact? Should you yell, "QSL the 5-9!" (the LFK approach), or yell, "QSL the (cough)"? Or maybe start with 5-6 and work up? Or what?

EIGHT -- How come the ones you've already worked are always a legitimate 5-9, while the ones you still need are four S-units below the powerline racket?

NINE -- By what magic does the good DX always come on just after you went QRT? Or go QRT just after you found him?

TEN -- Why does the ARRL get your callsign wrong when it lists DXCC credits?

ELEVEN -- Why does it take fifteen seconds to tune the linear when nothing is on and you're just messing around, but you need five minutes to get the damned thing to dip when the pileup is just beginning to get ferocious around a rare one?

TWELVE -- How come a new rig is always more fun than an old one even though you knew how to work the old one, and you always made contacts with it, and operating the new one is a little like trying to fill your own teeth?

THIRTEEN -- Why do you always hear that the big bass are hitting just when something like Clipperton comes on?

FOURTEEN -- What medicine will best relieve the pain after you've bashed your top front teeth against the metal grid on your microphone?

FIFTEEN -- Why do wives complain during contest weekends? What's wrong with making them deal with the neighbors who want to watch TV? What's so bad about having three or four guys sleeping on your kitchen table? It's only for a weekend.

Zedd said he'll also do a high-speed CW demonstration. Tondelayo will bring cookies, and dance. --KUSB

COCOFEST '86

Saturday, July 19, 1986 9 AM - 5 PM
Myriad Convention Center

Tentative seminars and demonstrations:
Educational software programming techniques, Graphics Programming for fun and profit, Weather forecasting using COCO and satellite hookups, Packet Switching, Audio-Visual Presentations Featuring the Color Computer. Over two dozen hardware and software dealers invited. Door prizes - many surprises.

See page 23 for details.

CIMARRON

There is one more meeting before Field day. Most of CARA's plans are laid and now are vulnerable to Murphy's Law, the whims of nature, and the conflicts of the human rat race. So it has ever been! Que sera sera!

Speaking of the whims of nature, Steve N5FUP, "El Presidente", took a hit from the power line one stormy evening recently, CONSOLIDATING the diverse components of two power supplies, a keyer, a scanner, and the family refrigerator! A conversation is being held with the house insurance company the issue is still in doubt. Personally, I like my ARRL insurance. It is specific and that saves a lot of rag chewing. A friend of mine in Stillwater, K5HKW, Monte, also was on the receiving end with several items fried. Sometimes it is hard to tell just when to pull the plug. A direct hit is rare but power lines carry a surge a long way.

It is great to report the good news. Nadine, N5FMH, Made her GENERAL ticket a reality in Ponca City recently. She and OM, Denny, WB5ECM, have worked hard for their General and Extra tickets, respectively. Congratulations to both.

AB5Z, Ray, has just recovered from a long seige of "What's been going a round"! It seems like the WOGS get meaner every year. Not too many people out here in the Cimarron watershed will confess to feeling really great. We're still pretty dry out here and the wind, well, it blows...and blows!

Another neat item. Brad Bailey, our second youngest club member is now N5JEL. Let's see...Just Easy Listening...Jerry E. Lewis...naahhhh, gotta be something better than that!

KA5TVF, Terry, also has a new call sign. The Air Force MARS call AFA4HJ! Congrats, Terry...public service is where it is at for Hams.

Fred, N5FU0, recently put up a bird house... probably to clear the crowd off his antenna farm. He reports that one batch of young have come and gone, and another batch on the way. What wave length, do you suppose, encourages all that fertility?

Leo, KE5TP, is stationed at the Sandy Cove gate at Canton Lake for the summer. I'll bet his trusty handheld is always at his side. When you visit Canton Lake this summer, say hello to Leo on 145.35!

Well, the weatherman is not predicting storms in the northwest tonight. There is a cloud out there though! Mas vale tarde, que nunca! You can see I have really progressed in my Spanish language studies. Hasta la vista, you all!
Jack, NN5Z



Minutes of May Meeting

Meeting was called to order at 10:11 A.M. by President Jerry, KDSIS, with 10 members and guests present. Charlie, WA5JGU, gave the treasurer's report for Ellard, W5KE, who was off hamfesting.

Jerry covered the radio room activities the evening of the May 8 Edmond tornado.

Bob, W5HXL, gave the CORA report. He advised that CORA was investigating having amateur radio classes and is looking for volunteer instructors.

It was announced that Mac McClurg, WA5WZM, is home and continuing to recuperate from his broken leg and surgery. We all wish Mac a speedy recovery.

Charles, N5FMU, explained the planning for providing communications for the Sooner State Games, June 26-29. Some details will be contained elsewhere in this issue of the C&E.

Meeting was adjourned at 11:07.
Joe, K5JB, Sec'y

C&E Editor on Sick List

Joe Harding, WA5ZNF, is finally having to take a little time to rest up a bit. He suffered a heart attack while at a motorcycle function in Broken Bow Saturday, May 17. After driving home, with some help from Francis, he went into St. Anthony's hospital to see about his "indigestion". They immediately popped him into a bed in the intensive care unit. After finding instruments sensitive to penetrate that tough old cuss, they found out that things could be managed by medication and that his blood supply to the old ticker would take care of itself.

At last check, he was in a private room, running up and down the halls, and will be home before you get this. He probably won't be home in time to keep us from cobbling up this issue so if you find things about it you don't like, don't jump on Joe. It will have to be explained by the unskilled labor in the publication department. You just can't send boys to do a man's job. Get well quick Joe. The C&E needs you! Joe, K5JB

Dayton, What a Gas!

This year's Dayton Hamvention was one of the best I have ever attended. The weather was perfect and I didn't have any burning compulsions to buy anything so I could enjoy a leisurely stroll around the flea market, eyeballing all the goodies. I only popped

into the building where all the new stuff was long enough to find out what was going on in the packet world. I got to look at the AEA PK-232 prototype, which is a general purpose version of the PAC-RATT PK-64, which does everything, but requires a Commodore 64 to make it run. The PK-232, as its name implies, is operated by connecting it to any kind of terminal that supports RS-232 serial data connection. The price has not been announced yet but speculation has it that a list price of around \$329 would be about-right.

I lifted a review off of Compuserve's HamNet. It was prepared by Norm, W2JUP, who is a technical writer and has a better description than I. His review follows this article.

I got to take a look at the long awaited MFJ 1270 TNC which has caused quite a lot of sensation because of its \$129 price. At the time of the Hamvention, it had been shipping for about three weeks, and there was a three week backorder to the dealers. (Since then, I saw one on the shelf of a Virginia dealer.)

Its circuit board is the same as the TAPR TNC2 except about an inch of width has been added to permit adding TTL level serial circuitry to it. In the additional space, a larger, coin-sized battery was installed in place of the one originally supplied on the TNC2. This particular lithium battery on the original TNC2 is going to be a hard one to find when they run down in 5 or 6 years, HI! The extra space on the board will be welcome when a different configuration has to be grafted in. The MFJ 1270 offers a real break in price without any sacrifice in performance.

GLB had a new TNC prototype at their booth. They call it the PK2 and looks like that they pulled out all the stops in its design. The PK1 has been criticized because it cannot handle the radio side and keyboard side simultaneously. Punch a key and you punch a hole in a transmitted or received packet. As Gil said last year in one of the forums, he approached the PK1 design from a most "cost effective" design standpoint and the added cost of hardware to support dual asynchronous data transmission did not justify the added advantage. I think this was a serious mistake because it stifled sales once the word got out. I have one and have managed quite well to operate it with a smart terminal but there are not sufficient software hackers out there to make up custom code to compliment the thing.

The PK2 also uses hardware to make the HDLC (high level data link, the essence of packet) work. The PK1 did all the creating and decoding of packets in software, an elegant method but really keeps the processor busy.

The PK2 also has a hardware clock/calendar, backed up by battery, as is the RAM (random access memory). It

has software selectable terminal and link speeds; the terminal runs from 45 to 19,200 bits per second and the RF link side runs up to 56 kbits per second.

It uses a plug in modem that is software selectable 300 and 1200 bits per second, permitting HF/VHF switching without swapping components. Its tones are crystal controlled and are automatically switched when the speed is switched. It has jumper selection for transmitter and receiver pre-emphasis selection, a must for high performance.

The operating program in its firmware contains features that will not likely be appreciated by the majority of packeteros. It supports VADCG as well as the AX.25 packet protocols and responds to the PK1 commands as well as the more familiar TAPR commands (used also in the Kantronics). In all it has 140 commands available, enough to keep any piddler busy through many nights experimenting!

I could go on but maybe I will get one someday and really give it a wringing out and report on more than data sheet information. Price was not available.

I stopped by the TAPR booth and asked Harold Price, NK6K, what the word was on the long awaited version 4.0 code for the TNC1. This code would make the TNC1 have some of the features of the TNC2, including AX.25 Version 2 protocol, multi-connects, etc. He grabbed a paper sack and put it over his head! The problem has been trying to fit the code in the available 32K of ROM. It is compiled Pascal and he has just not been able to get the code down to fit in the necessary space. I understood that TAPR had rented time on a development system and got a version to fit but Harold said there were bugs that need to be exterminated, probably the hard way, using a debugger. He said it seemed to work OK but occasionally drifted away into never never land.

The alternative is running the WA8DED code which has all the new features but it has an entirely different command structure and I am reluctant to have to learn how to work another kind of "computer". I will just wait. One thing that I would really like to have is a timer that will disconnect the TNC if someone from a far away land connects and loses the path. The TNC will stay connected until the cows come home. When there were only about a half dozen of us it wasn't much of a problem because the other operators would guess who did it and assume his call long enough to connect and disconnect the thing. Now that there are hundreds, no way! (There is a hardware solution but I am too lazy to build the thing.)

I had a wonderful time at the Gathering of the Faithful at N8ADN's house on Hamvention Friday night. This is becoming an annual affair where we present each other with awards for the

year's faux pas. I received two awards for my accomplishments, one for the furnace repair on Bob, W8JUK's motor home (I scared it into running) and one for escort service, along with N8ADN, who have spent so much time at Hoss' house he couldn't get into trouble all year long.

About the only thing of note that I dragged home was a sack of MOVs to sprinkle around where sky fire might light. I still need to do some shopping for a transient trapper suitable for adding to the power service entrance. More on that later. Meanwhile, let's see what the packeteros have been doing around here.

Joe, K5JB

Howard County MD Hamfest

It is hard to taper off from Dayton, so rather than quit cold turkey, I took advantage of a business trip and the Memorial Day holiday weekend to stay over in the Washington D.C. area with my buddy Hoss, WA5ZAI and attend the Howard County Hamfest in Maryland. Some of the other "Faithful" arranged to make the event which made it particularly enjoyable. Keith, WA8ZWJ, and his YL Marion, WD8CJD, drove in from Dayton. Tom, WD8JPP and his YL Barbara were already there because of a business trip. Another local, Chuck, KCOJP rounded out the group. Together they formed a critical mass and the feasts planned every evening quickly turned me into a critical mass!

The hamfest is a moderately sized one with, I suppose, a few thousand attending. There was a nice dealer area and a pretty large flea market. In that area, it is called "tail-gating". Naturally, I picked up some little things that I could put in my pockets, my buying being limited to what I can comfortably stuff into my briefcase.

The Washington D.C. area has a tremendous number of hamfests of moderate size. There is one next weekend at Manassas VA and one two weeks after that at Fredrick MD. In fact, the fairground where the Howard Co. fest was held will be the scene of three hamfests this summer! It sure is a lot different than here because these things are within a circle that is perhaps 60 miles in diameter. We probably have as many hamfests in our area but we just have to drive 500 miles to get to one of them. I wouldn't trade our population density for theirs to get the hamfests closer though!

I don't think I will be reporting on any more of the D.C. area hamfests, but I can never tell what Uncle Sam will say about that...hmm, three weeks from now, where is that calendar?

PK-232 Review

The following review, prepared by Norm, W2JUP, was picked off Compu-serve's Hamnet. It was dated April 29, 1986:

Here's the story on AEA's PK-232 and UDC-232 all-mode controllers demonstrated (live) at Dayton. Packaged in familiar box like their CP-1/CP-100s, the PK-232 is functional equivalent of AEA's PK-64, but has its own Z80 processor and RAM (the PK-64 uses C-64's 6502 and memory) and presents the conventional RS232C interface to ANY computer or dumb terminal just like your telephone modem. The PK-232 provides Morse, Baudot, ASCII, AMTOR and Packet. The UDC-232 ("Universal Data Controller") is the "digital-only" block of the PK-232, without the analog TU/modem section, for users who already have a satisfactory TU such as the CP-1/CP-100s or any other existing good-quality interface. The Morse, Baudot and ASCII code and routines are basically derived from AEA's well-proven MBA-TOR programs. However, the AMTOR routines are based on the excellent "Z-AMTOR" code written for the Z80 by Paul Newland, AD7I. You stick the PK-232 wherever your telephone modem has been and use whatever terminal program you use now. Excellent VHF/HF modem (TU) built in, nothing else required. Modem bypass connector permits use of external higher-speed modems. The front panel is full of LEDs indicating modes and status, including those found on the TNC-2. Front-panel RADIO-1/RADIO-2 switch selects either of two I/O rear-panel cable connectors minimizing cable swapping between HF and VHF radios. TAPR's TNC-2 code is the basis for the PK-232's packet routines, with a couple of very interesting additions by AEA's full-time programmer Steve Stuart, N6IA. The full TNC-2 command/parm structure is included.

The PK-232's new command/parm "MBX" is dandy - do "MBX @PBBS CALLSIGN" and the system will display/print only the information packets decoded from that PBBS, in correct sequence, without repeats and WITHOUT headers. So, when one of the other guys on channel is "downloading" a 17K GATEWAY or other long file, you can copy/save/print the same file without all the junk you used to get and thus avoid having to manually edit out the trash or pull the same file down yourself in the CONVERSE mode. KI4XO was operating a mobile-mounted PBBS with MBL code and the PK-232 was used with a Wyse-50 dumb terminal and an ICOM 2AT for continuous on-air demo. HF modes were demonstrated live with an ICOM 735 on 20 meters. AEA's president Mike Lamb (N7ML) says that the PK-232 will be shipped to dealers mid-summer with "amateur list price between \$300-\$350. The price on the modem-less UDC version has not been set yet, but should be substantially lower than the modem-included PK-232. Norm, W2JUP

Local Packet News

It seems like packet has been growing like wildfire lately. The list of calls heard has tripled in the last three months. The time has come, the walrus said, to come out of the closet and publish some of the names of those caught sending braaapps around. I say

some because by the time this comes out the list will be out of date.

It is also interesting that a number of super packet stations have gone on the air. Any packet station can serve as a repeater because it is all done on one frequency by the station re-transmitting what it has heard, after making a little change to the address field of the packet. But, an Icom IC-2 does not a super station make. Those with a significant amount of power and an outside antenna do an incredible job of reaching out and brapping someone. Then there are the SUPER DOOPER stations that are usually referred to as digipeaters. Bob-Robert, WA5BQX, has one of those set up in Chandler. There is one in Rush Springs, one in Tulsa, one in Bald Mountain near McAlester, etc. The map shows the paths that are usable most of the time. There are other individuals who come on the air from time to time that make good launchers for us with the IC-2s.

To explain the map. Digipeaters have their calls embedded in the packets they transmit so it is unnecessary for them to transmit a separate identification. It has become handy to assign them "aliases" or pseudo calls that identify where they are. Usually the operator uses the three letter airport identifier like MCL for McAlester, or OKC for Oklahoma City. The Rush Springs and TRO (Tulsa Repeater Organization) have aliases that are logical and easy to remember.

Packet Calls Heard

The following calls have been heard, heard about, etc. Send corrections and additions to J, KBOQJ, or Joe, K5JB to keep it up to date. Just for fun, all the TAPR copies have been divided into types, by manufacturer, so there may be several errors in TNC type shown for a station.

Call	Name	Location/Notes
NBSAET	Bill	Van Buren, AR #
KSAJW	Maurice	SW OKC 5, CM
WB5AOH	Bob	Fort Gibson *#1
WB5AOH-1	DP	"
N5ARS	Bill	Fort Smith, AR
N5AZO	John	Yukon
KA5BMS	Larry	Sulphur
WA5BNZ	Bob	Claremore
WA5BQX	Bob	Edmond *5, R
WA5BQX-1	DP	Chandler #1
KB5BS	Bill	NW39/Merid. 6, Z
N5BUE	George	Bartlesville #
N5BUJ	Bob	Edmond *2
		(Alias EDM)
N5BVJ	Bert	Tulsa
N5BVS	Bert	Tulsa
N5BXS	Skip	Tulsa *#?
N5BYS	Walt	Vinita #
WA5CJG	Bob	Mustang -6, C
WA6CMJ	Bill	Del City 1, A
WD5COS	Don	Flint Ridge #
WA5DBM	Paul	Tulsa #
NU5D-1	DP	Temple, TX
N5DEW	Ron	Edmond 2
WB5DJQ	Carl	Harrah *5, H
N5DKQ	Bill	Wichita, Ks 6
KD5DL	Stu	Midwest City 8, CM

WA5DNV	LeRoy	Village	3,CM	NV5N	Floyd	Tulsa	#	N5WX	Ron	Tulsa	#
WD5DYI	Mark			WA5NRT	Ward	Colcord	#	KB5XN	Jim	Tuttle	1,C
WB5EDN	Leon		8,CM	KA5NVX	Ross	Yukon	3,D	W5XO	Dennis	Gause, TX	PBBS
KA5EFJ	Ken	Norman	?	N5OK	Coy	Claremore	*#5,IC	WG5Y	Dale	Clinton	5,R
WB5EJO	Forrest	Fayetteville,AR		KA5OLJ	Ralph	McAlest.	5,A	KD5YO	Bill	Boswell	#
KE5EP	Janice	Denison, TX				(alias MCL)		WB5YT0	Mark	Rush Springs	5
N5EG	Tom	Plano, TX	DP	W500F	George	Claremore	#	WB5YT0-1	"	"	(Alias RUSH)
WJ5F	?	?		KB5OQ-1	DP	Palestine, TX					
WB5FBU	Gary	Elk City	5,R	W5PAA	FAA Club	OKC	-13	AF5Z	Bob	Anchorage AK	2,C
N5FFL	Charlie	Luther		K5POM	Lewis	Vinita	#	NJ5Z	John	Tulsa	#
WA5FLT	Joe	Calumet	*1,2,A,R (146.415)	WB5PQC	Bob	Moore	5,CM (FT-208)	WA5ZAA	AT&T	Okla. City	5
								W52IT	Jim	Greenville, TX	
KE5FN		Houston, TX		WB5PWY	Larry	OKC	Nat'l WX Service	W52KK	Glenn	Sallisaw	
N5FPD	Wayne	Denison, TX		WA5QDZ	Bud	Tulsa	#	WA5ZNF	Joe	Midwest City	-11
W5FRC	Bob	Bonham, TX		KB0QJ	J	Bethany	*1,R	WB2ZUG	Dale	Claremore	#
WB5FRV	Dave	Tulsa	#	WB5QOZ	Charles	Yuba	#				
KD5FX	Dave	Ponca City	R (Alias PNC)	WA5RDG	Brian	Shawnee					
				KA5REJ	Mike	Bonham, TX					
WD5FUE	Orville	Hugo	*#	W5RFX	Russ	Ardmore					
WD5G	Dave	Midwest City	5,I	KD8RP	Don	Tinker AFB	5,CM				
K5GBF	Harold	No. OKC		WB5RRR	Sandy	Enid	*1,2,A				
NOGGZ	Sam	Joplin, MO		WB5RRR-1	DP	"	*3				
N5GIT	Paul	Muskogee	#	KB5RV	Les	Choctaw					
N5GK	Jack	Denton, TX	5,R	WB5RZX	Monte	Norman	9,CM				
WD5GLD	Rich.	Kingfisher	1,R	W5SEP	Bob	Winslow, AR	#				
KC5GN	Bill	Edmond	*5,C	KD5SZ	Bud	Anadarko					
NV5H	Dave	Eureka Springs, AR		WB5TFM	Clif	Tulsa					
WB5HAK	Don	Duncan	3	N5TM	Dan	Tulsa	*#1				
WDOHCO	Biz	Ponca City	?			(Gateway Sta.)					
WDOHCO-1	DP	"		WB5TMW-1	Dick	OKC	(down)				
WD5HJL	Bill	Wellston	6,R	KD5TS	Rod	So. OKC	*7(or 10),I (Alias OKC)				
WB5HLR	Doug	Sallisaw	*#6,A								
W5HLZ	Lee	Midwest City	*5,I	WB5TTU	Ron	Hugo	*#5,R				
WA5HPJ	Norm	Seminole		KA0TTY	Harry	Wichita, Ks					
KA5HPX	RoyGene	Winslow, AR	#	WB5UCV	Randall	Bryan, TX					
N5HZR	Mark	Norman	*1,M	WB5UIY	Stan	No. OKC	*2,A				
N5HZS	Ron	Norman				146.415-PBBS (IC-22S)					
N5H2T	Randy	Shawnee		WB5UCV	Randall	Bryan, TX					
N5H2U	Howard	Norman	?,NEC	KE5UL	Ron	?					
WC5I		Alma, AR	#	KD5UP	Don	Tulsa	5, A				
N5ILR	T.J.	NW OKC	2,C	KB5UQ	Wayne	Sherman, TX					
WD5IRB	Ralph	Valliant	#	KX7V	Rick	Enid	10,A				
KD5IT	Davis	Norman	5	WA5VMS	Joe	Muskogee	#				
WB5IZL	Larry	Greenville, TX		WB9VMY	Hal	? Clinton					
KA5J	Dave	Norman	7,I	KB5VP	Don	Tulsa	#				
KA5JAO	Rob	Eureka Spg, AR	#	WA5VPO	Bruce	Chelsea					
K5JB	Joe	Midwest City	*2,A	W2VQS	Fred	MWC	9,CM				
		145.01 PBBS (IC-27)		K5VR	Stan	Alma, AR	*#1,C				
K5JB-1	"	"	*1,D	WB5VST	Ben	Tulsa	#				
		146.415 (IC-27)		WB5VXK	Loyd	Tulsa	#				
K5JB-2	"	Portable	3,R (IC-02)	KE5VY	Tony	Tulsa	#6				
				KA5WIS	Lee	Edmond	7(or 10),CM				
WD5JCE	Eldon	Atoka									
KE5JF	Rich	Owasso									
KC5JH-1	DP	Little Rock, AR									
KA5JFT	Mike	Bethany	3								
KC5JJ	Phil	Harrah	5,Z								
K5JNZ		Duncanville, TX									
KD5JR	Bill	Woodward	5								
K8JRM	Tom	So. OKC (MWC?)	7								
WB5JYF	Bill	Sherman, TX									
AK5K											
KG5K		Ft. Smith, AR									
KG5K-1	DP	"									
WD5KAL	Mike	Waco, TX									
WD4KB	Al	OKC?									
K5KGG		Sherman, TX									
WOKIE	Mike	Tulsa	#								
KB5KJ	Ralph	Pine Bluff, AR									
KD5KV	Bob	Bethany	2,CM								
KD5KX	Mike	Owasso	#								
K5LDI	Tom	S.E. OKC	2,C								
K5LGW	Jim	Clinton	5,R								
KOLOT	Leo	Edmond	1								
		(no TNC now)									
WA5LVT	TRO	Tulsa	Alias TRO								
KC5LW-1		Dallas/Ft. Worth									
W5MCP	Rex	Okemah (soon)									
WB5MPU	Larry	Lk. Keystone	*#1,A								
N5MS	Mike	Norman	*1,D								
		146.415 (IC-230)									
KC5MW	Ray	Tulsa	#								

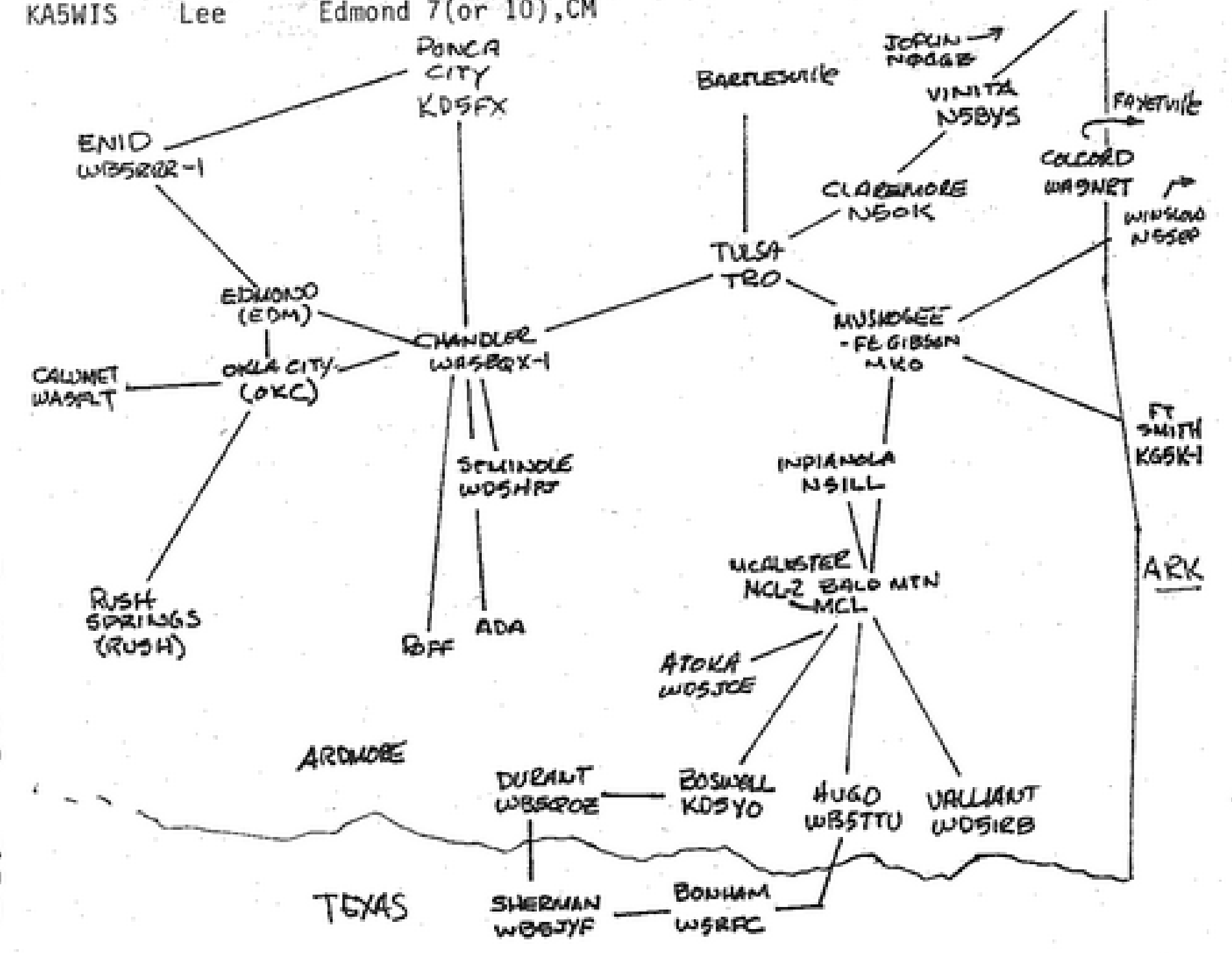
Aliases used on digipeaters:

EDM	N5BUJ	Edmond
MCL	KA5OLJ-1	McAlester
MCL2	?	McAlester EOC
MKO	?	Muskogee
OKC	KD5TS	So. OKC
PNC	KD5FX	Ponca City
RUSH	WB5YT0-1	Rush Springs
TRO	DP	Tulsa Repr. Org.

Notes:

TNC Type:	Terminal Type
1 TAPR TNC1	A Apple
2 TAPR TNC2	C CoCo
3 GLB PK1	CM Commodore
4 Richardson's	D Dumb
5 Kantronics	H Heath
6 Heath HD4040	I IBM
7 AEA PKT-1	IC IBM-clone
8 AEA PK-64	M MS/DOS
9 Pac-Comm 200	R TRS-80
10 AEA PK-80	
11 MFJ-1270	
12 GLB PK1L	
13 GLB TNC-2A	
14 GKB PK2	
13 AEA PK-232	

- under construction or on order
 * station powered up 24 hours
 # stations affiliated with OAKNET (Okla-Ark Net)



The South Canadian Amateur Radio Society

VE EXAMS

The VE team, WA5RPP, W5OU, and NSMS(with KSPL on standby) gave 17 exams on May 1. Eight were mentioned in the paragraph above. Additionally Joni, N5JBU, from Lexington upgraded to General class. Thanks again to Sam, Gordon, and Mike and to Jim, WD5HPU, for helping make the VE exam a success.

kay

The Ponca City repeater, 37/97, has been moved to a new location on the McCord School water tower. The new site is about 200 feet higher and has very little interference. The preliminary tests indicate that the range has improved quite a bit. The auto patch also has been installed, so the repeater is in full operation. Thanks to everyone who helped and especially WB5SAG, W6TXF, KA5SJK, WDOHCO, KA5PUB, and KE5XY.

New club officers were elected at the last meeting. The are as follows:

President	Dave Land, KD5FX
Vice President	Steve Scott, KA5SJK
Secretary/Treas.	Harry Beattie, WD5DPR
Editor	Charlie North, N5EYD

Congratulations to all.

Field day is just around the corner and we need to be thinking about the FD site. If you have a suggestion, please come to the June meeting and tell us about it. Possible sites that have been suggested are Lake Ponca and the Pioneer Woman Park.

There are several new hams in the Ponca City area and a few have joined our club. We would like to welcome KA5ZJM, KA5ZKB, and KA5ZKG to the club.

Good luck to N5EYD, who will be taking over this article now. 73, KE5XY

ARES

ARES requests your help in the revision of its roster of active members. If you are currently an ARES member, but are not listed below, you should contact O. J. Watkins, WB5SRX, and provide him your name, call, license class, QTH, and the bands you operate:

N5BEQ	N5PM	KD5IS	N5PT
WD5CSM	N5PMU	K5JB	KE5QN
N5CTR	W5PMX	WA5JGU	K5SKA
KD5DL	K5GL	NP5L	WB5SRX
WA5EAI	KD5GP	NO5M	WB5TMW
N5BIH	N5GQY	KA5NNT	KA5TSD
WD5EXY	N5GVN	WB5NUP	KA5TTH
WA5PLT	NP5H	NR5O	ND5W

The new ARES roster will be computerized, and will enable the service to contact most of the available people when they are needed for drills and emergencies.

MAY MEETING

The club held its monthly meeting on Saturday, May 10, at the Red Cross. The meeting was called to order at 9:30 am by president Jeff, KE5EB.

SOONER STATE GAMES

Charles Hofferber, N5FMU, talked to the group about participating in the Sooner State Games(an Olympic style athletic event) which will be held at various places in and around Oklahoma City on June 27-29. Amateurs are needed to provide communications for the games both in OKC and in Norman. Some of the activities in Norman will be very close to Reaves park and convenient to the field day site. Jeff, KE5EB, will be asking for volunteers at the next SCARS meeting.

REPEATER UPGRADE

Mark, N5HZR, suggested three projects which would upgrade the club repeater. The suggestions were: (1) add a permanent 10 meter remote base, (2) install a full 10 meter repeater, and (3) install a backup, battery powered transmitter on 147.060 to provide repeater during power failures. The new transmitter would be located in town and activated only when the main transmitter was inoperative. The 10 meter projects would use gear being donated by KSPL which needs only a few changes at minimal cost. The club appropriated \$3000 for the 10 m remote base contingent upon a suitable antenna being located.

NOVICE CLASS

The Novice and Tech-General upgrade classes completed on April 28. Final statistics are: 14 new novices(4 of these went on to pass the Tech exam on May 1) and 4 in the upgrade class did so. The new Tech licensees are: Gary Baird, Dennis Davis, Zack McCain, and Fred Noble. The new Novices are: David DeSelms, Clay Ford, George Mauldin, Patrick Roberts, Donald Schrader, Eddie Schimelpfening, Jeff Vaughn, Shannon Wann, and John Witt, KA5ZOX. Successful upgrades were: Don Graham, WA5TAW, Mark Kleine, N5HZR, and John Reikowsky, KA5CAQ, all to Advanced and Aaron McAdams, KA5WIK, to Tech. Monte, WB5RZX, and your humble editor did a hell of a job with this class!

NORMAN CD DIGIPEATER

A digipeater, operating under the call N5HZR-1, has been installed at the Norman Civil Defense Center. The digipeater alias is 'Norman' and it operates on 145.010. Present plans are to keep it active 24 hours a day. The major purpose of the system is to provide a link with the National Weather Service in OKC and other communities.

FIELD DAY

Field day is building up to be a big event again this year in Norman. Louis, KDSWA, the SCARS FD director is planning three stations(one Novice station). Mark, N5HZR, is coordinating the novices, Monte, WB5RZX is responsible for the packet operations and Ken, KA5EFJ, is handling the publicity and the ARRL FD message. Louis has a satellite station in the wings(if conditions are right). However more people are needed to help. Operators, both phone and especially CW, are needed. There are plenty of jobs to do so lets pitch in and make this a good experience for the newcomers and the oldtimers. Give Louis(321-4036) or Mark (329-4285)a call to reserve your operating time and contribute to field day 1986.

Next Meeting

The regular monthly meeting will be on Saturday June 14 at 9:30 am in the Norman Red Cross building, 1205 Halley Drive. There will be discussions on field day and the Sooner State games. See you there!!

----- KDSIT -----

Your Business Card AD could go here!

If you are not now an ARES member, but would like to affiliate with the Amateur Radio Emergency Service, all you need is any class of amateur radio license and a desire to serve in the public service. For an application just get in touch with O. J. at:

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

O. J. reports that participation in the weekly Oklahoma County ARES net has been very low lately. The net is a forum for discussing ARES activities and related emergency preparation and training. You need to check in regularly, since, according to O. J., "Those who participate in net activities and drills will be the first called (during an emergency). They will be the people best trained in working as a communications team and handling emergency traffic." The ARES net meets every Thursday evening at 0200 UTC / 2100 CDT on the WA5YTI (146.34/94) repeater. Hope to see you there.

73, KD5DL

May 8, 1986, 7 pm. National Weather Service Bulletin:

Severe thunderstorm warning with golfball size hail and possible damaging winds forecast for north & central Oklahoma County. The first group of Red Cross Volunteers were called out and the Disaster Operations Center at Oklahoma County Red Cross was activated. At 7:40 pm a tornado cut a swath across the north edge of Edmond. Additional Red Cross teams were called out, Red Cross Amateur Radio Station W5LOW was opened and communications established with the Edmond Emergency Operations Center and the Edmond Sheriffs department. A EOC Command Center was setup at 15th and Sante Fe in Edmond with communications on the 145.41 RACES repeater. The first priority of the Red Cross in this type of emergency, is to establish a shelter and provide emergency medical care for affected victims. The local Methodist Church was initially selected as the shelter site and the Red Cross vehicles were dispatched with crews and supplies. Repeated attempts to contact the pastor of the church by telephone proved fruitless. The Edmond telephone exchange, by now, had been jammed by incoming calls. A local Edmond Ham was dispatched to the pastors house with a request that he open the church as a shelter site. By now the local authorities had contacted the principal of the Edmond High School, who volunteered the school cafeteria as a shelter site. The 2-meter repeaters again came to our assistance and contact was made with a Ham on the disaster team and the vehicles redirected to the new site location.

By the time the Red Cross teams arrived at the High School, approximately 30 people were already there and reports that 4 housing sub-divisions were being evacuated and 150 to 180 people were to be expected. By now the last Red Cross vehicle was being loaded with supplies at the Chapter. Telephone communication between the High School and the Chapter Operations Center were not established until approximately 45 minutes after arrival of the Red Cross disaster teams. Requests for supplies and personnel were handled through Ham Radio. The Cleveland County Red Cross (Norman) also joined the Oklahoma County disaster teams and provided additional cots and blankets for the expected evacuees, which were by now arriving by bus. By 10:30 pm, things were beginning to settle down. Telephone communications were established between the shelter site and the Chapter. Evacuees were being met by friends and family and provided a place to stay until the threat posed by ruptured gas lines had subsided and people living in undamaged homes could return. By 11:30 pm, approximately 45 rooms in the Sheridan Center had been donated to families without homes. Approximately 35 people remained at the shelter overnight. The situation being under control by midnight, Red Cross Amateur Radio Station W5LOW was closed.

It was ironic that Edmond had just completed a tornado disaster drill on 25 April. The lessons learned on the sunny Friday afternoon were put to the test the night of May 8. Drills of this nature can provide invaluable experience, but can never anticipate such things as the partial collapse of the roof at the Edmond EOC due to the heavy load caused by the rain. Every Ham involved in emergency service should prepare for the unexpected. To borrow the motto of our younger days as Boy Scouts - "Be Prepared".

If you are interested in becoming a Red Cross Disaster Volunteer, please contact Mr. Dick Grizzle, Director of Emergency Services, American Red Cross, 323 N.W. 10, Oklahoma City, OK 73103, Phone 232-7121. Those of our Amateur Radio Community who may wish to assist your County Red Cross Chapter, are urgently needed. Volunteers are needed both to man the Red Cross Radio Station and act as field liaisons at disaster sites. It is not necessary that you attend the regularly scheduled training sessions required by other disaster team members to participate. It is, however, desirable and encour-

aged. How many of you are proficient at administering CPR for example? If you desire to assist this great organization as an amateur radio volunteer, contact Jerry Wetmore, KD5IS, at 524-5080 after 5 pm, or on 146.34/94, Thursday night ARES net at 8 pm. 73, KD5IS

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*****
*                                     *
*      OKLOG PLUS CPM USERS'      *
*      GROUP EQUALS                *
*                                     *
*      OKCPM                        *
*                                     *
*****
** OKCPM MEETS ON JUNE 12 **
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The OKCPM will meet on Thursday evening, June 12, 1986, starting at 7 PM at the OSU TECH CENTER near N.W. 10th and Portland. Those interested in any type of CP/M computer or any type of CP/M software are encouraged to attend. Please contact Bill Cooter for further details at 360-2141 (home) or at 521-2384 (work).

Starting around 8 PM, there will be a presentation on high order computer languages (e.g., BASIC, FORTRAN, C, PASCAL, etc.). This talk will highlight what languages are available for CP/M machines, with a focus on real bargains in commercial languages as well as versions available in the public domain. OKCPM has several public domain languages in its library, and motions will be entertained to acquire versions we lack from other sources, e.g., the New York CPMUG or SIG/M libraries, the C Users' Group, or PEOPLETALK. We will also make sure the July presentation is ready to roll, which will highlight file and data base managers, both commercial (e.g., dBASE, QUERY, or PERSONAL PEARL) and public domain (e.g., DIMS, PC-FILE, or the CREATOR).

The major business items will be the collection of dues for the new club year (\$15) and plans to acquire the second half of the SIG/M library. Current members or prospective new members with access to 8-inch drives are encouraged to attend. Anyone who is equipped with double-sided, double-density 5(1/4)-inch drives (e.g., with ZORBA's or KAYPRO 4s) is also encouraged to attend. Since each SIG/M volume holds around 240K, we need to line up people with higher density drives to help copy disks. We will also discuss the best ways to move the SIG/M volumes over to the bulletin board or at least to single-sided, double-density disks that can be moved on and off the board. With our current holdings and the new SIG/M

disks, OKCPM will soon have over 500 volumes of public domain software, probably the largest collection in the whole state.

With this wealth of software, OKCPM is also in need of several "deputy" librarians to help keep track of what we have and begin to cull out the genuine "gems" of the library. In addition to routine caretaker duties, it is hoped that the deputy librarians can be tapped to sift out the very best programs, check them for possible bugs or hardware dependent features, make sure there is adequate documentation, and reassemble the programs into topically oriented "anthology" volumes.

This promises to be the beginning of a very busy new club year. There is enough work for everybody to become a deputy. In the process of sorting through our library, it is anticipated that several Special Interest Groups (SIGs) will emerge. At the end of the trail, OKCPM will not only have the largest CP/M library in this part of the country, we should also have the best organized library as well.

So come to the June meeting and get involved. OKCPM has something for anyone interested in CP/M software, whether you are using a HEATH, an OSBORNE, a KAYPRO, a COMMODORE 128, a VECTOR GRAPHICS, some S-100 homebrew, or an MS-DOS machine with CP/M emulation. We can make our library holdings available on just about any format under the sun, and, of bulletin board. The board features an abundance of software, news, and information -- just dial up (405) 848-5317. On a trial basis, a large hunk of the SIG/M library is now on the system for general access. Members also have access to the complete FOG library. So enjoy the board and make plans to attend the June 12 meeting.

QSL BUREAU Notes

ARRL 5th District QSL Bureau
P.O. Box 44246 Oklahoma City, OK 73144.

Every amateur should be an ARRL member, but you don't have to belong to the ARRL to use the Incoming Bureaus.

1. This Bureau is ONLY for incoming foreign DX cards. We DO NOT accept any outgoing QSL cards or cards for domestic contacts.

2. ALWAYS KEEP ENVELOPES ON FILE. Unclaimed cards are the Bureau's biggest problem.

- Send clasp-fastening, end-opening envelopes, approximately 5 x 7 1/2 inches in size (three envelopes are sufficient).

- DO NOT send letter-size or legal-size envelopes (they get lost in the filing boxes). Similarly, jumbo-size envelopes are NOT helpful to us, either.

- NOTE that USPS imposes a surcharge of 9¢ above the basic unit of postage for envelopes 6 1/8 x 11 1/2" or larger which weight one ounce or less.

- Please DO NOT SEND USED ENVELOPES to the Bureau. The Post Office frequently returns them to us.

- Keep separate envelopes on file for each call sign for at least three years after changing. Families of hams may NOT "share" an envelope since incoming cards are routed to different sorters according to call sign suffix.

PRINT your call sign CLEARLY in the upper left corner of each envelope. Put your COMPLETE name and address on each. Do NOT put on a return address.

3. POSTAGE. Paste ONE UNIT of postage on each envelope, sufficient to mail at least one ounce. You may paper clip extra stamps to cover postal rate increases or large mailings.

- If you are a "Big Gun DXer" or a QSL manager, you are EXPECTED to keep sufficient postage and envelopes at the Bureau to clear your file at least monthly.

4. When you receive a "Last Envelope Notice", that means there are no more envelopes on file at the Bureau. Send more promptly.

5. Do not expect special services, such as "mail monthly regardless of number of cards," or "No SWLs" etc. If you want that type of personalized service, we suggest you use a commercial QSL service or a manager.

6. BE PATIENT! We rarely see incoming cards for QSOs less than four months old, and most cards are for contacts a year ago. We frequently see cards for contacts two or more years ago. Many foreign

DX bureaus send cards out of their countries only ONCE EACH YEAR and all come via surface mail! After the cards arrive, they must be sorted and routed to your envelope, a process which may take several weeks. If only one or two cards arrive for you

every few weeks, it will take a while for there to be enough cards to equal the value of postage on your envelope (so, don't put on a lot of stamps UNLESS you are a "Big Gun" or a manager).

This Bureau is completely staffed and operated by conscientious hams (and, XYLs) who VOLUNTEER their time for you. All we ask in return is your cooperation with the above in order to keep the system flowing smoothly.

WE NEED A FEW MORE VOLUNTEERS TO HELP US.

For further details please call: 681 - 5884.

73 and good DX.

JOE SCHILLING, WBSYKD Bureau Manager.

GREAT PLAINS

The 1986 Mooreland Eyeball QSO is now history. All the bills have been paid and the "thank you"s sent. We had a great time with this event and hopefully those who attended enjoyed themselves as well and will try to come back again next year. At our last meeting, it was decided to establish the first weekend in April as the annual date for the Eyeball QSO unless Easter coincides. In that event, the date will move forward to the second weekend in April. We hope this will prevent further confusion regarding the annual QSO date.

Club members will be in Gage, OK the May 24 annual Roadrunner Marithon. The GPARC has been supporting this event for many years and the race sponsors really appreciate how amateur radio helps in making things run smoothly. The day starts early, as a matter of fact, at 6 A.M. with the start of the 26 mile Oklahoma Championship Marithon and continues throughout the day with events such as a 10K race, parade, games, tournaments, booths, free barbeque and finally ending with a street dance that night. Needless to say after a full day, amateur radio is not too well represented at the street dance.

The second weekend in June will find us in Woodward again helping with their Harvest Days Celebration. This

(CONT ON BACK PAGE)

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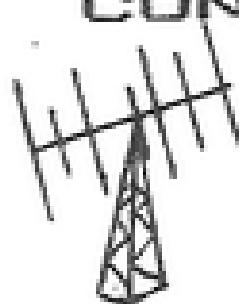
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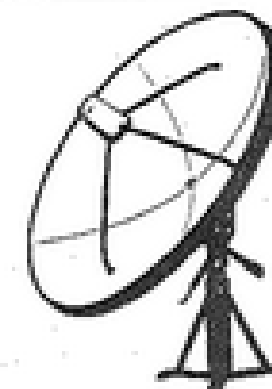
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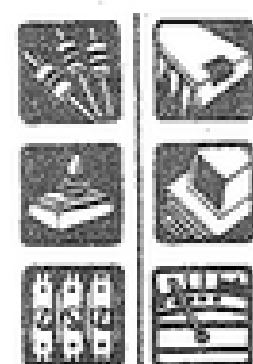


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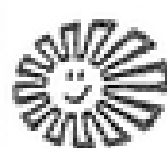
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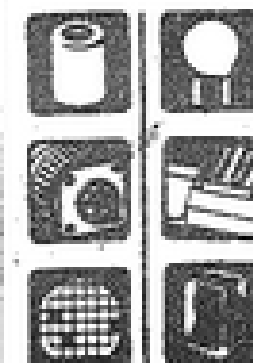
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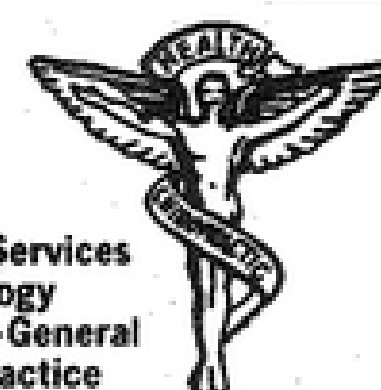


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DESTINATION DAYTON--1986 HAMVENTION--BRING EM BACK ALIVE!!! (A TALE OF TWO CITIES)

What can one say about the largest gathering of amateur radio operators in one meeting? Well, a lot (although there might be a few gentle readers that wish that I would say nothing) and maybe nothing since the scene at the 1986 Hamvention may leave some people speechless. But not this fearless reporter.

This annual trek to Mecca for Hams has become more a pilgrimage than a mere frolic to, of all places, Dayton. I have difficulty explaining to nonamateurs why I go to Dayton. It is just not like why you climb Mount Everest. "Because it is there," is a phrase lost on infidel nonhams. They just don't understand. The week before I went to Dayton, I had to go to San Diego on business. A planned two day trip expanded from Wednesday to Saturday. I climbed back on an airplane the next weekend for the trek to Dayton. We left on Thursday afternoon and got back Monday morning. So the conversation the next week with some friends (nonradio types) went like this.

"Where you been the last couple of weeks?" they queried. "Oh, I had to go to San Diego and Dayton," I replied nonchantly. "Vacation or business?" they questioned. "Well, a little of both," I said.

To this point, the conversation is not really remarkable. Nothing out of the ordinary. You might think that they would let the conversation drop at this point, but oh, no. We take up the conversational gambit again.

"Well, how did you enjoy your vacation in San Diego?" (a question with the wrong presumption).

"I didn't go to San Diego for a vacation, that was on business." (A puzzled look spreads across my friend's face)
"I went to Dayton for a vacation."

At this point, my friend's face reflects incredulousness. San Diego, the city on the bay. Where you can look out over the ocean and see a battleship and the McDonald's blimp in the same scene. Where boats' sails billow just like bathing suits of nubile young

women on the beach. Where the smell of salt water mixes with the scent of cheap wine in the downtown area and sailors and female business predators play tag in the open air arcades.

Now Dayton is a different story. Here is a serious down to earth town. True, enough, there is an Air Force Museum, but anybody who knows me knows that I have seen it several times before. So why do I keep going back to Dayton for a vacation and San Diego for business?

Beauty is in the eyes of the beholder. And the Dayton fleamarket is a beautiful sight. Now, I am not totally blind. I enjoyed San Diego also. But there was a business purpose for the trip. I spent most of the Wednesday that I got there holed up in a windowless room in a meeting. It ran until 7:30 p. m. that evening. On Thursday we went to a different office. It was a little nicer. From the second floor of a windowless room to the 13th floor of ceiling to floor picture window overlooking the bay was a considerable improvement. I made sure that I got the seats around the conference table that faced the window so that I could let my mind drift out on occasion toward the bay and the blimp that circled around and around. Two aircraft carriers were tied up at the dock over to my left and a coast guard cutter in the center of the picture drifted lazily around and around in circles in the wind. The thursday meeting lasted until 7:30 p. m. again, so there was little to do except check into a motel and asked a cab driver to find a good italian restaurant. The next day was back up to the 13th floor beginning at 10:00 O'clock a. m., but the scene became quickly boring when we did not finish until 10:00 p. m. and didn't even take a break for dinner or lunch.

By now, I was ready to get out of San Diego at any price. Airplanes don't also fly when you want them to. I was ready to take a "redeye" all night long if I had to, but the last flight out was about 6:30 p. m. and we missed that one by a mile. I finally opted for an early 7:00 a. m. flight the next morning. A quick trip to Salt Lake City and a change of planes, then scooting back to OKC. Like I said, I was ready to get out of there.

Dayton is different. I guess that the place that you travel to can make a difference, but who you go with and for what purpose is especially important. When I go to Dayton for the

Hamvention, it seems like the crowd keeps getting bigger and bigger each year. Eleven years ago, I could count the number of people from OKC who went on one hand. Now I would have to take off my shoes and go around all the fingers and toes almost twice.

I took a couple of radios with me to San Diego. When not in the meetings, I turned them on. I didn't hear a lot and I tried a couple of repeater frequencies. I remember that Southern California is suppose to be "granola city", that is, the "land of fruits, nuts and flakes." And since the locals have to protect themselves, it seems like all the repeaters are closed shops with PL and tone access the case rather than the exception. None of my radios have any PL. So, in just the time that I listened around, I never talked to anybody.

San Diego is a neat place, but if you go there by yourself, it is not very exciting. I remember going to New York about two years ago. The radio situation in the downtown NYC area was terrible. All kinds of intermod and noise, but I did manage to talk to a couple of locals. Still, for the most part, I was by myself. I enjoyed looking around Central Park and the theatre district, but it would have been a lot more fun if some friends had been along.

It always seems like the planning for Dayton begins when we get back. The people at the convention bureau must be aware since they always get requests for rooms for next year the week after this year's convention is over. You can not call the local motels now and try to reserve a room for next year. They alway tell you to call the convention bureau. With all due respect to the downtown chamber of commerce in Dayton, the reservation system for motel rooms gives a whole new meaning to the term "arbitrary and capricious." WA5LTM volunteered to arrange rooms for me while telephoning in his own reservation. We were looking for rooms in a particular motel since it is within some proximity to the Hara Arena and the airport. It is a good location to operate from Tim is very persistent (you have

to be with this crowd) and finally got me four rooms for three nights in the designated motel. I got the confirmation slip. Unfortunately, about four months before the convention, I got another note that they had moved the rooms to another downtown hotel, a lot more expensive and a definitely inconvenient location for travel.

Now, I know that it is difficult to deal with over 25,000 people who come into town just for the weekend, but it seems to me that the easiest way to deal with this is to just put people in their various respective hotels and motels and not disturb them again. To move people around just seems like a lot of unnecessary work.

Tim called me and said that he had been moved and wanted to know if I had also. I confirmed yes. He said that he was going to call and straighten it out. Did I want him to include me with the call? Well, he had done a pretty good job to this point and I could not see changing horses in the middle of the stream. The only disadvantage was that I didn't really know what Tim would say to them and I would have to accept the stares of the people in the motel when I walked up to the desk and asked for my rooms and have them remark that "Yes, we are aware that you were going to be here." Well, I only go to Dayton once a year, so what the heck.

I like Dayton. I really do. I have lots of friends there. Locals like Chuck N8ADN, Keith WA8ZWJ, Crazy Bob W8JUK and many others are all part of the fun in going. Plus we get to visit with Hoss WA5ZAI, Bob NØBIX and others who meet us there. I also spend a lot of time promoting the Hamvention around here. After several years of being conspicuous by his absence, I finally got WA5JXX to agree to return to Dayton. Roger went the first couple of times that I did, then fell off the edge of the world. He claimed that he decided to go this year because WA5LTM was going for his third year and he did not want Tim to get ahead of him. I suspect that the real reason that he went was that he was approaching 90,000 miles on his American Airlines advantage account and he need a couple of segments before the end of April to get a free upgrade to first class or a trip to Bug Tussle or something like that. The rest of us chose TWA since we were still spending some of the credit that we had gotten last year when we volunteered off an overbooked plane in St. Louis and spent a fun evening in the local airport

Mariott hotel. That was a great time except for the fact that I had no clean underwear or containers for my contact lenses. This time, forewarned is forearmed and I carried on the overnight bag with a clean shirt, and the necessary undergarments and toiletry articles. Roger may have gotten his flight segments, but I got another night in a luxury hotel in St. Louis and credit for my flight to Dayton next year. But I think that I am getting ahead of myself.

You know, I think that Ralph Nader did all the airlines a favor when he got bumped from a confirmed reservation several years back. The resulting system of compensation for denied boarding really generates a lot of good will and, in fact, in my mind creates just as much business as it takes away. I remember the first time that I flew to Dayton on TWA. It was the first year of the Air Traffic Controllers strike and snafu. We waited about an hour on the ground in Dayton for a slot into the system and watched our layover time in St. Louis shrink to 5 minutes, then disappear as we circled an extra time to get into St. Louis. We pulled up to the main terminal just in time to see our flight to OKC back out. There were five of us on that flight. It was only a couple of gates away from where we were to disembark. They just didn't really care to hold the plane and there was really no reason why they couldn't since it was a terminating flight in OKC or at the very least would have continued on to someplace else without the real need to be exactly on time for a connection.

Probably what really bothered me was that nobody seemed to care that they had left us in St. Louis for the evening. With all the millions of people who walk through that airport, I can understand. But the five of us spread out and with a little checking, we found an Ozark flight leaving in about 30 minutes that would get us as far as Tulsa. Well, that was an improvement. But we had asked the TWA people for any flight to Tulsa and they said there were none.

In contrast, when we decided to try TWA again last year and came up overbooked and volunteered off the plane, it was an entirely different feeling. First, the people at the gate were very nice and made out the vouchers and credits on the spot. Second, all of us had a good time at the hotel for dinner and the flight back the next day. Third, we didn't feel abandoned since TWA sent us away with a little something extra in our pocket

for our trouble. The denied boarding compensation system can really be a great public relations tool. It really changed my mind about TWA.

Besides a free flight, the stewardess strike helped in the public relations department. As an incentive to fly TWA during the time that the stewardesses have been gone, TWA was offering free drinks. Now, this is an awesome responsibility. To drink or not to drink. Some people didn't really have a lot of trouble making that decision. K5JB thought about it for a millisecond. First timer Chas KA5UPM might have been a little slower, but not by much. Since he was not driving, either the plane or the rent car, he put a glow in his cheeks quite readily. This problem was exacerbated by a friendly and cordial stewardess substitute who certainly made all of us feel at home in the first class seats that we were bumped up to. She even gave us a couple of extra bottles to take with us on the next flight just in case the segment to Dayton ran out of liquor. This shine ultimately got Chas in a little hot water when we were pulling up to the jetway at St. Louis. Chas stood up and marched up to the front, thanked the stewardess for the hospitality, turned around and before she could stop him, pulled the door open and stepped off the plane while the jetway was still moving toward the door.

The gate attendant just about came unglued at that point. And it is a lucky thing that the stewardess had already stowed the bar that enables the inflatable rubber chutes for emergency exits, otherwise those of us still on the plane would have had our choice of two different exit routes, the jetway or a trip to the ground on the chute.

I wondered what all the arm waving was when I went by the scene with the gate attendant yelling and Chas and he yelling right back. I quickly snuck on my fake eyeglasses with the mustache and nose so I would not be recognized and scooted past the scene.

This year several others had elected to fly instead of driving the route. Dean N5AMV had

remembered the long trip home last year and after some consultation with John Graham decided that they would cast their fate with the wind. Louis KD5WA fell into line later and Thurman, who would be going for his first year, also decided to take a chance. Pretty soon, there were about six to 8 people in a subgroup. Roger WA5JXX had already booked his segments on American.

Our regular group consisted of K5JB, who was out of town and returned to OKC for the trip. He said that he asked for special permission to return for this "religious holiday." WA5FLT, Joe was also along as well as Stan WB5UIY and his wife, Annette. Tim WA5LTM had made some of the arrangement for the room and, of course, first timer and doorman Chas KA5UPM.

We normally don't have a plan when we get to Dayton, but certain pagan rituals do prevail. The flight usually arrives about 7:00 p.m. or so and by the time we get the rent car and stop by the motel to check in, it is time to meet our regular group of Daytonians out at the Casa Lupita restaurant which is right across the street from the hotel. Boy, this is a good time, but I am usually reminded of the trip the next day while trudging around the flea market. Here we saw Bob NØBix, Bob W8JUK, Hoss WA5ZAI and Diane, wife of Chuck N8ADN as well as others. It took awhile for everybody to gather and we had to eat in shifts, but we got the job done.

A couple of months before Dayton, I was trying out the new antenna system and got a phone call from Reid WA5TBB. Cranston now lives in Lubbock and wanted to jump on 40 meters to visit. After about 20 minutes or so, I started in on our plans for Dayton and lamented to Cranston that he should plan on going. About the time I got into the discussion a little heavy, the QRM came up, but I shortly got a phone call. When where we going? Cranston asked. What flight? Did we have any rooms left over? "Well, I don't think that I can afford the time off from the business." I said, "Cranston, these are just as worthless an excuse as you can make. There is no reason not to go." His wife, Karen, made the reservations the same day. They flew in on American.

I was pretty tired since I had a bunch of stuff to get done before I left. But the next morning, we were up at the crack of midmorning and worked through the bathroom in shifts. I didn't worry much about navigating

since I entrusted the automobile to K5JB this year. I tried like hell to get a Lincoln Towncar this year because I told JB that I wanted to be just like a "Gucci toilet" so we could be "going in style." But, none of the car rentals had towncars available, so we had to settle for a peppy little Olds 98. JB liked it.

After breakfast, it was out to the Hara Arena. Last year we were a little late getting there by noon and this time, I wanted to be there when they dropped the rope. What a rush of adrenalin. You either had to march or die. It was possible to get trampled.

I worked the flea market fairly faithfully until late Friday evening. Soon, it was time to head out to Chuck's house for the gathering of the faithful. This is a nifty annual outing sponsored by our friends from Dayton. The highlight is the awards ceremony conducted somewhere between the third and fifth round of beer. There is absolutely nothing serious about this event except the drinking and the food. Since I had gotten my 40 meter antenna up, I have met the "gathering of the faithful" schedule on Sunday morning pretty regularly, thereby earning myself an award for "Faithful Airing." I haven't quite decided whether to post it in the Shack or not since the title of the award could be construed to be a diagnosis of a gastrointestinal problem which might serve as a warning to visitors to clear the shack at a moments notice.

I was stuffed with food and was glad that we had decided to stay and visit with Chuck and Diane for awhile instead of heading out to the FM Bash. Besides, I had promised myself that we would make an early start the next day. The last couple of years had found us out to the flea market by 9:30 a.m. or so instead of at least 8:00a.m. We didn't miss it by much and on Saturday, we started the scrounging in earnest. I found some tone and voice pagers at a very reasonable price. With a little work, I finally got them on the MS repeater here in Norman for KU5B and WA5RPP. I also found some good prices on half inch and 7/8 inch hardline connectors. Teflon and silverplated PL-259 connectors were about 10 for \$14.00. I bought about 20 or so. I also looked hard for bulkhead connectors to complete my antenna installation (See picture of outside bulkhead installation this issue). I finally found these for about \$3.00 to \$4.00 apiece. They are about 2 to 3 times that outside the flea market.

I had been looking around for some radios. I needed a base station for two meters to use on the packet station. My IC-230 doesn't cover the low frequency of 145.01 Mhz. I didn't really look all that hard.

The benefit of Dayton is that you find the unusual or unexpected. I don't think that anybody saves money in Dayton when you factor in the cost of the trip and stay. I found connectors that were handy, but I could have bought a bunch of those for what I spent on the motel and the car. But I did find some panelescent lights like the night lights except about 10 times bigger. These light up like the night and I bought several of these just because they were neat as hell. I want to put one of them in the kitchen under the shelves for a permanent light. They only draw 4 watts. That's unusual. Like I said, Going to Dayton is just like skiing. You don't do it to save money.

Saturday night was dinner at the China Boy restaurant. By the time Chuck stopped taking reservations, there was about a dinner for 45 people or so, maybe more. They remember us from last year. Chuck told me that the waitress who took our order last year quit the next week.

Sunday was more of the same in the flea market. People get a little crazy the last day. I saw some guys selling hemostats who decided about 1:00 p.m. to advertize them by clipping them all over their hats and clothes. When I walked by, each of them had 100 or so hemostats clipped on and when they walked they sounded like the Tin Man in the "Wizard of Oz." Later while walking in the south side of the Flea Market, I saw the 1986 version of the Flea Market Marching Band. A couple of fleamarketeers were churning away on a couple of cornets. I think they could use a sax, bass and drummer.

Even our friends get a little crazy the last day. Keith WA8ZWJ had little success selling his Drake TR-3 for \$150.00 during the first two days. He finally resorted to calling to potential purchasers with a Bullhorn and shaming them into at least coming over and saying what a

neat radio it was, but no thanks, I don't really need it. With greater sense of urgency, he began calling to passing vehicles urging the adoption of the orphan radio.

They had a couple of emergencies this year when a small fire broke out in the arena and a power transformer went ga zorch and plunged several of the commercial exhibit areas into almost total darkness. It was a real tribute to how well run this convention is that the power was only off for an hour or so and the transformer was replaced within a short time. Meanwhile, the PA announcer urged people to keep calm and emergency lighting was set up in many of the dark areas within about 15 minutes or so. In some places it was business as usual. The small parts dealers had the most trouble since people could not see what they were buying.

I never hang around the prize drawing. I do send my ticket inside with someone else. This is prime flea market time. They delayed the drawing because of the power failure and we had to load up and leave before it was completed. Back out to the airport, I am carrying a camera bag, carryon overnight case, a metal case, and a cloth overtheshoulder and fullto the brim pouch. It was an extra that Phil Jelicka had and it was a life saver. The gate attendant told me that one of these would have to go. Rather than give up the overnight case since I cleverly thought I might need it if we got bumped again, I held my breath and checked the camera. Fortunately, it was in a crushproof case which was waterproof also. I don't know if it got wet, but when I got it back, I knew somebody had tried to crush it.

We got boarding passes for the segment from Dayton to St. Louis. After getting off the plane at St. Louis, K5JB experienced traveler led us to the nearest ice cream stand for a refueling. We then proceeded to Gate 34A, for our fateful meeting with our flight to OKC. While in line trying to get boarding passes, I selflessly threw myself in front of Joe K5JB and Joe WA5FLT and took the last boarding pass before they ran out. Apparently, Joe did not appreciate me taking this "bullet" for him and he called me a "Benedict Arnold" and "Quisling" all the time rubbing his hands thinking about some more of TWA's free flying for denied boarding.

The gate attendant began to call for people to get on the plane. We stayed in touch with JB and FLT who were

on the outside chatting with the gate attendant and trying to see if they could get a free meal out of this. As it was, the plane was terribly overbooked and we all got the opportunity to walk off and spend the night in St. Louie. This time TWA put us up at a Stouffer's and we had a great time. We were up the next morning and out to the airport for an early morning flight and were back in town by 11:30 a.m. I came home and dumped the goodie boxes and made a quick sort before heading over to the office.

What was new this year at Dayton? Well, a lot, but I was surprized that there was not as much computer equipment and software as I thought there would be. I also thought that there would be a lot of video equipment especially tape recorders in the flea market, but there wasn't. Icom did have their new AH-2 antenna tuner for mobiles. It is automatic and works with the IC-735 and others. It fits in the trunk quite nicely. Icom also were showing their new IC-R7000 receiver which operates from 25 to 1000 Mhz. This is quite a device and actually works up to 2.0 Gigs. It has 99 memories and scans and memorizes frequencies in the scan mode for later recal. It also has an infrared remote controller and optional voice synthesizer.

Icom also was showing a new IC-751A. Sniff. Well, I don't think that it is really an improvement. It does have a built in keyer and is fixed for full breakin to 40 wpm. I saw my old friend Chuck K8UTY in the flea market and he was selling an IC-751A and keeping his old 751. He indicated that the newer radio seemed to have more birdies. Don't know. I like my 751, but I think that Icom let it out of the paddock a little too soon.

Icom also had a new dual bander for both two meters and 450, the IC-3200A. It has a 25 watt output and appears to be quite compact and simple to operate. It could be quite a radio.

Perhaps the thing I found the most interest in was the newest Icom handheld, the IC-12AT for 129.8 Mhz. Icom is really pushing the open space up there. The radio was there and appeared to be operational, but it was chained to the desk to keep busy fingers from claiming it on their own. I don't think that it is type accepted yet.

A company called Diamond Antenna had a super wideband discone antenna which they claim would operate between 25 to 1300 Megs for scanners and would even operate on the various ham bands with transmitters. It is

made by a Japanese company and appears to be an all purpose scanner receiver antenna. I might get one of these to put underneath the big beam to work with the scanner.

I was also amazed at the number of clones for the IBM PC and the price is dropping through the floor. XT motherboards were going for about \$150.00 or so and 10 and 20 Meg hard disk drives were \$275.00 and \$350.00 respectively at some locations. I bought a 1200 baud modem which appears to be fully Hayes compatible for about \$150.00 for my PC/AT at the office. It seems to work just fine.

I expect that K5JB will cover all the packet info, but it appears to me that MFJ will set the price for packet with their TNC-2 clone for just \$129.95. It is an unbelievable price for a really fine mode. Nobody will have an excuse to not get on packet now.

Advanced Computer Control was showing their new Digital Voice Recorder. Sigh. Their stuff is so good, but so expensive. I guess that I will have to just start saving my money to get one of these on the repeater. It starts around \$1,000.00 and runs up to \$1,700.00 or so.

Kenwood had a bunch of new stuff including the TM-2530A, 2550A and 2570A two meter mobile transceivers with 25, 45 and 70 watt output respectively. There was a new TS-670 quad bander transceiver for 40, 15, 10 and 6 meters. It has a 500 Khz to 30 Meg general coverage receiver. They were also showing the TS-940S HF transceiver. Definitely top of the line and the lower cost TS-440S. Kenwood also showed their IF-10A 10B "computer interface" for the TS-940S, TS-440S, TS-711A/E and TS-811A/B/E transceivers. You also might need the IF-232C "Level Translator." Kenwood also shows their new TR-50, a 1200 Mhz portable transceiver.

Dealers were doing a land office business. Even during the black out. Small parts dealers were selling hand over fist. I don't know what the official attendance was, but it must have been over 25,000. Humm, where is that telephone number for reservations for next year? MIKE, N5MS

DAYTON PHOTO EXCLUSIVE - "WE BRING 'EM BACK ALIVE" (Or is it Memorex???)

Once again, our intrepid explorers trek to the annual Mecca tour of Dayton, Ohio for the fab Dayton Hamvention. The following were caught in the act of "Hamventioning" in the highest order. This would be a felony in a communist country, but in the free world, it is part of the trickle down theory. The credit where credit is due department salutes **JIM GREENSHIELDS** of Greenshield's **MAGIC POWER AND LITE, Ltd.** for our screened prints. This boy can do tricks with a darkroom and a bicycle.

BAY WINDOW BOMBERS!!

The roar of the greasepaint and the smell of the crowd is not enough to overcome these intrepid hamventioners waiting for the stroke of noon to begin the mad crush toward the flea market. From left to "wright" we find John Graham in the "I'm cool" shades, Thurman Chance, Peeking around Thurman is Jack Cobb, formerly of Norman, On his knees in Thanksgiving for his return to Dayton is WA5JXX. Next is Dean N5AMV, our man in Motorola in Norman and Louis KD5WA, with radios at the ready. This scene was exceptionally difficult to take with both John and Louis jumping around in "Brownian Motion" in anticipation of the dropping of the rope. It is especially important to not drop a radio when going through the gate, because in the crush, once on the ground, it is lost forever or crushed. Safety straps are mandatory and OSHA is contemplating rules making entry into the flea market area on the first day an event requiring a hard hat or hard head.



THE "I'LL DRINK TO THAT "ANTENNA PARTY

Don't you have one of these? This question put to Joe K5JB by Joe WA5FLT on the left. The typical JB response is terse and to the point. "I've got one of everything, and two of most things." Both JB and FLT are undergoing transcendental meditation before entering the flea market on Saturday morning and this transitory antenna shrine is just the spot. Meditation consists of 5 quick gulps of air and reciting all the Q signals without taking a single breath. Notice FLT has just finished his recitation and is making a radio power salute to all his fellow amateurs. After the meditation period is completed, both of these intrepid fleamarketeers dropped into a three point stance to charge the gate. All radios are in crushproof boxes for protection. Lloyd's of London almost cancelled all its reinsurance on the radio collection of these two after finding that they had checked the Dayton attendees box on their ARRL insurance application forms. It almost took a special act of Congress to bring the reluctant English insurance cooperative in line.



THANKS FOR THE MEMORIES!!! (DAYTON PICTORIAL CONTINUES)
(Thanks to Greenshield's Magic Power and Lite, Ltd)

I NEVER MET A TACO I DIDN'T LIKE

The annual trek to Dayton always includes a trip to a local restaurant and bistro for the intrepid travelers and here are revelers Joe WA5FLT and Joe K5JB tying on the feed bag at the Casa Lupita on Thursday night. Notice the giant champagne shaped glass in the hands of FLT and the empty glass of the same character and size on the table in front of JB. They have just finished the ritualistic toast to the "Unknown Ham" a regular part of the Thursday night minigathering of the "faithful." A collection was taken up to memorialize the unfortunate (and unidentifiable) and nameless amateur who fell during the opening day festivities several years ago and was trampled in the process. RIP.



I'M GOING TO DAYTON, AREN'T YOU??

Who says that layovers can't be fun? Not this group of intrepid Dayton travelers. Radios and beer glasses occupy the otherwise "wasted" hour spent in St. Louis waiting to board the fateful TWA flight to Dayton. These people are all members of the TWA fancub. From right, Stan WB5UIY, Leo KØLOT, Phil N5HIP, Lee N5HIR and Annette, wife of Stanley. Leo took this opportunity to do his banking and immediately drained all the money machines with 10 gates of our point of disembarkment of all traveler's checks in denominations of \$50.00 or greater. An impending financial disaster was averted when Ferdinand Marcos happened through and offered to replenish the machines from his petty cash collection.



I DON'T CARE IF IT IS CHINESE FOOD, I DON'T THINK THAT I WILL BE HUNGRY AGAIN FOR A LONG TIME

Saturday evening at the China Boy restaurant meets with the ultimate satisfaction of Cranston WA5TBB (center) and his wife Karen (right). Still looking for food for thought is Roger WA5JXX on the far left admiring the winner of the Tondelayo lookalike contest in the background. The picture also has an unseen cast of thousands who also attended the Saturday night festivities brought to you by the International Order of the Crazies, Local 146.415. It really didn't seem possible that anybody had an appetite after the "Gathering of the Faithful" on Friday night, but the group consumed mass quantities before eventually leaving the restaurant with a massive mess to clean up.



DAYTON PICTORIAL CONTINUES (ADD TWO!!)

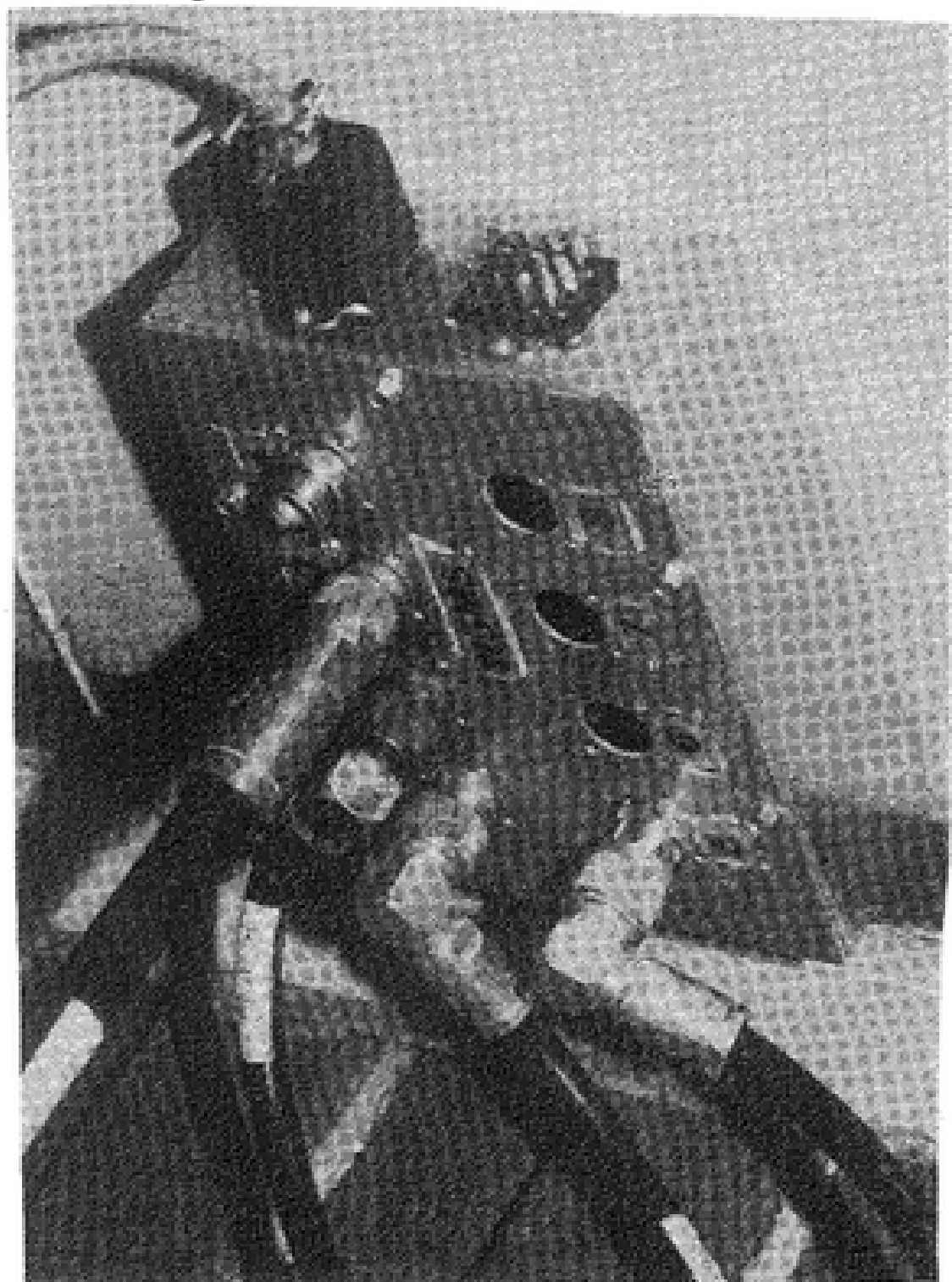
LET'S GET SERIOUS NOW, OK??

Now, these are serious fleamarketeers! Glen K5LDL from El Reno and his son peruse the finest that Dayton has to offer with a finickiness that even Morris the Cat can admire. No bird slug is too small nor any dummy load or attenuator too large to sway Glen from his appointed rounds. I, admirably, watched as Glen wheedled a fleamarket dealer into insensibility before purchasing a six db pad way under the wholesale price. Before Glen walked off with his prize, the dealer cried out "Medic" before collapsing on the ground in a faint. Later reports indicated that he had fully recovered with only slight permanent injury.



WHAT KIND OF HAM DRINKS DEWARS??

Not these two. They are strictly a "rotgut and koolaid" combination. Our hosts for the Friday Night festivities at the "Gathering of the Faithful" Keith WA8ZWJ (top) and Chuck N8ADN (bottom). This picture occurred during the "Awards ceremony" and both Keith and Chuck are about to lead the entire assemblage in the "Faithful" salute, sort of a cross between the Texas "Hook 'em Horns" and a San Francisco cab hailing wave. Both of our hosts are wearing their Lodge Uniform T-Shirt for the I O O K (International Order of the Krazies) Local 146.415. Hoss WA5ZAI is just outside the photograph. During the award ceremony, N5MS received an award for "Faithful Airing" celebrating his regular appearance for the regular weekly "Faithful" sked since he got his 40 Meter antenna back up (it was either that or a salute to a gastrointestinal disorder)



GET THE CONNECTION DEPARTMENT ??

For those interested in the bulkhead coax cable entrance described by N5MS last month, here it is in the extra space we have left over for pictures from Dayton. The box is a 5 x 7 chassis in which a hole is cut to fit over an electrical box mounted up under the eave of the house. A plate is fitted onto the box and holes are drilled for the coax connectors. All connectors are N chassis mount bulkhead females which then run inside to a matching set of bulkheads inside the house. The total cable run is about 30 feet for each cable. The Jones plugs are for rotor cables and there is an additional Jones plug with an 8 conductor cable used for control purposes. All connectors are N-type and labeled.

Micheal Salem N5MS

MOBILE RADIO UPDATE

I submitted a blurb last month about some guidelines that General Motors had printed up for installing mobile radios. The Diagrams featured both under the dash and trunk mount radios. I had picked this up some time ago (I think that it was Dayton last year) and had misplaced it (Hey, I moved, OK?) They were passing out a revised version this year and after staring at it, I can't exactly see what they did differently, but one matter was pointed out to me by N5AMV and WA5TOO after they got their issue of C & E.

Dean and Darrell questioned the wisdom of running a ground wire all the way to the passenger compartment or trunk to provide a separate ground for the radio. The problem that arises with this installation is that if you should lose the ground on the battery cable going to the engine block, you will still have a ground connection through the radio. Now this could be several hundred amps depending upon the current needed for cranking the starter. It is probably not a good idea to have this much current coming through the radio chassis. It renders it much more susceptible to transient voltages, especially since there will be a substantial voltage drop around the radio. It is probably not all that bad a deal, except that the voltage drop could destroy some parts in the radio. Although they have no direct proof, Dean suspects that this problem might have caused the demagnetization of a magnetic circulator in the micor radios. The circulator is used to prevent RF from coming back into the transmitter and mixing with carrier or other signals in the PA and reradiating intermod. Sometimes, Dean says, these have just quit, with no apparent explanation.

The reason that GM suggests using a solid ground is probably that some new cars have plastic parts and thus incomplete electrical contact between the various parts of the car. If this is true and you rely on the chassis as a ground, you may have a poor electrical connection to the radio for the ground which, if you draw a substantial amount of current to run the radio, may have no electrical continuity to run the radio (its dead) or the incomplete contact could cause a voltage drop from the battery to the radio leaving it susceptible to hash, noise, and ground loops.

I have noted that in my mobile system that I have had no problems with this. and I use the ground of the car chassis

to provide a return to the battery. That may be true for a Pontiac Bonneville, but may not be true for your "Dreamwagon Special." The problem of good electrical contact between the various parts of the car also turn on problems such paint to metal surfaces. A lot of the cars have parts painted before assembly. It used to be that one method of battling ignition noise in the AM/FM radios was to ensure a tight fit around the engine compartment. For those who had problems, GM used to make a device that mounted under the hood that had a set of prong like spikes that stuck straight up and "cut into" the hood when it closed, thus ensuring a tight electrical contact when the hood was closed. Otherwise, the only electrical contact to the hood was through the springs and lift mechanism which would always get dirty and form a poor conductor, especially at radio frequencies.

Other methods are used to reduce ignition noise, such as resistive wiring and shielded ignition kits. The rise of plastic parts though, might make it a prudent idea to remember to check to make sure that you have a good ground when installing a mobile radio. If you have a good chassis ground, use it. If not and you cannot get a good point of ground, run the wire, but be sure that it is fused (yes, put a fuse in the ground wire) at the battery point of contact. That way, if you lose a ground, the fuse will blow and prevent a large amount of current to start the car from flowing through the radio.

One of the points of contact to a ground for a mobile radio is the antenna. Many antennas mount through a 5/8" or 3/4" hole drilled in the car chassis. If you use an Avanti through the glass antenna, you may have no ground connection to the chassis, except through the little clip on the cable at the matching box. This ground is obviously not enough to carry any amount of current. For the 450 Mhz antenna, it is only a capacitive coupling.

If you have some noise through your system, check the ground connection first. Please note that the diagram puts fuses in the ground lead to the radio, don't omit them. They are there for a reason.

Micheal Salem N5MS

ZNF DOWN, BUT NOT OUT

I suppose that somebody will have a note about this somewhere else, but

I wanted to make sure that Joe Harding WA5ZNF knows that I am keenly interested in how he is doing since having a heart attack a couple of weeks ago. The latest word that I get is that he is out of the cardiac care unit and in a private room and except for a couple of flareups, might even get to come home sometime soon. I don't know if it was one of my crazy articles or overwork or just too much fun, but whatever it is, we need to get Joe to stop for awhile to make sure he is OK.

Collector and Emitter is a lot better because of him. I know that this month it is a little late because he is ill. That is really not important until Joe is doing better.

Sopoo, my tough friend. Get well soon and take it easy for awhile.

Micheal Salem N5MS

HAMCOM COMING AT YOU

I understand that they have moved the Dallas Hamcom to some location in Arlington. I know that perhaps it is a better location, but they certainly have taken the edge off my trip to Dallas. It was always a quick trip to Love Airport in the plane, then another quick cab ride over to the Northpark. Now, there is not an airport that I can fly to within a 30 minute drive (No, I can't fly to DFW).

WA5JXX keeps talking about it not really being that bad a drive, but 3 hours is a long time and not nearly enjoyable like a flight. Well, I still might go, but I intend to grumble. Hamcom is June 6, 7, and 8 and is at the new Arlington Convention Center. There is about 48,600 square feet of space for both the commercial exhibits and the flea market. That will be an improvement from years past. Also, there are a lot of places that one can go in both Dallas and Fort Worth. If you have been previously, you should have gotten a brochure within the last month or so.

Micheal Salem N5MS

THANKS: To the weather spotters in the field who gave us those early warnings that saved lives in Edmond, Ok. and to George, ADIS for running a smooth net while in a very tense situation.

MORE THANKS: To the fine hams at the National Weather Service for their work in the weather warning system. Listen for them on 147.34.

ILLNESS: Joe, WASZNF, who edits this paper for CORA, suffered a heart attack Saturday, May 17. At this writing, Joe is in intensive care at St. Anthony's in OKC. I know all OCAPA members and C&E readers everywhere will join me in wishing him a speedy recovery. Get well soon, Joe.

THE SKED: Our June 17 meeting will be held at the Police and Fire Training Center, 800 North Portland, at 7:30 p.m. **THIS WILL BE OUR LAST MEETING AT THIS LOCATION.** The program scheduled by Charles, NSFMU, will be the Field Day Final. Purpose of the program is to take care of all those picky little details for Field Day (June 28 & 29).

REMINDER: Check your ham license expiration date! If your license was issued prior to January 1, 1984, you may renew it any time during the five year grace period beginning with its expiration date. You will be assigned a new call if you renew more than two years into that five year period. If the full five year grace period has elapsed you will lose your call AND the license and must retest for another one. If your ticket was issued after January 1, 1984, it won't expire for ten years after issue but the grace period at that time of expiration will be two years for both call and license.

NOMINATIONS COMMITTEE: Joe, WASZNO, has agreed to chair our nominations committee for next year's officers. Helping Joe with this monumental task will be Sue, KESQN and Art, KFSDK. If you wish to be considered for nomination to an elected office in OCAPA, please call one of the Nominations Committee members. State your office of choice. You'll be helping your club by taking on some of the responsibility.

ELECTIONS: They aren't scheduled until the August meeting, so you have plenty of time to decide whether or not to run for office. If you aren't satisfied with the Nominations Committee's choices, you may

nominate (or be nominated) from the floor at the election.

REPEATERS (TWO METERS): Our 147.21 repeater antenna system has had some changes (temporary, we hope) which are making it sound rather sick. For reasons which are better explained by the technical crew, here's the situation: 147.81 now receives at about 700 feet on what was the 147.21 transmit antenna. 147.21 now transmits on an old Ringo Ranger at about 400 feet. These conditions are not the best and we hope to have things squared away and be back up to full capability soon.

146.82 is still suffering from intermoditis. The techs are working to remedy the problem.

REPEATER (SIX METERS): The six meter machine has been operating split-site with the xmtr and rcvr connected by phone line leased from Ma Bell (or whomever). Ma Bell's (or whomever's) rates took a sudden jump recently, making the six meter repeater very costly to operate. Since the activity level on this repeater has been reported as next to none, the Exec Committee voted to cancel the lease on the phone line. This will put the six meter repeater off the air until it can be changed to single-site or some other linking system can be implemented.

REPEATER (444.3): This poor thing has been coming and going health-wise for months. A recent visit to the repeater revealed a new power supply sitting in the cabinet but the xmtr does not xmit. We have a potentially great machine here if we can just get it on the hump.

WELCOME: New club member Rick Shelton, NSJBW. Thanks for choosing OCAPA, Rick.

73 de NOSM

SOONER STATE GAMES JUNE 26-29

We NEED HAMS to HELP with MEDICAL EMERGENCIES! For those of you who have been busy with other activities and missed the video presentations of the SSG's and the ARRL video on FIELD DAY, you MISSED a GOOD CLUB MEETING. If I didn't make it to your club meeting and you would like to see these videos, I will be glad to present them during the month of June.

Several people have volunteered, but we need more help to cover a shift at some place. The more people that help, the shorter our shift and time from our personal life will be. Besides, We all want some time to participate in FIELD DAY 1986. But a few hours helping with some sport will not kill the whole FD activity. The sites used for the SSG covers the

whole metro area. Some place is going to be close and convenient for you.

For those of you who do not know about the SSG's, I will describe it briefly. The SSG's are like the STATE AMATEUR OLYMPICS. People of all ages participate in 37 different sports. Last year there were about 5,300 people and this year over 12,000 are predicted to participate. We HAMS helped last year with a handfull of people. The increase in size brings with it more MEDICAL EMERGENCIES and the need for MORE HAMS to help. People are depending on us to provide the vital communications link from sport sites which have no other communication facilities available.

The sites being used which need communications and the sports being held there are:

FRI. IS JUNE 27
SAT. IS JUNE 28
SUN. IS JUNE 29

1. MYRIAD
(Fri., 6PM, Opening Cerimonies) (Sat & Sun, FENCING, GYMNASTICS, TABLE TENNIS, TUMBLING, AND TRAMPOLINE)
2. STATE FAIRGROUNDS
Sat & Sun- BASEBALL, ARCHERY, BOXING, EQUESTRIAN, JUDO, KARATE, RUGBY, TAEKWONDO, WHEELCHAIR SPORTS, & WRESTLING
3. PUTNAM CITY HIGH SCHOOL
5300 NW 50 - SAT. ONLY
RACE WALKING, TRACK & FIELD
4. OKC DOWNTOWN - SAT. ONLY
CYCLING & VOLKSSPORTS
ROUTE IS: START AT KERR & MAIN, MAIN & McGEE, McGEE & ROBINSON, ROBINSON & NW 5, NW 5 & HARVEY, HARVEY & NW 4, NW 4 & ROBINSON, ROBINSON & PARK AVE., PARK AVE. & MAIN, FINISH AT MAIN & KERR.
5. EDMOND SOCCER COMPLEX
SAT. & SUN. HALF MILE WEST OF KELLY ON DANFORTH.
YOUTH SOCCER.
6. WHEELER PARK - SAT. & SUN.
WESTERN AND SW 25.
ADULT SOFTBALL
7. EARLYWINE - SAT. & SUN.
2900 SW 119 OKC
YOUTH SOFTBALL
8. CASSIDY HIGH SCHOOL- SAT.
9500 N. PENN.
ARCHERY, FIELD HOCKEY
9. LAKE THUNDERBIRD- SAT.
SAIL BOAT RAMP AREA - NORMAN
WIND SURFING

10. Other areas which have minimum communications needs are:

TROSPER PARK- SAT.&SUN. ARCHERY; MURRAY CASE SWIM COMPLEX-SAT-OU, NORMAN-DIVING; STARENA-SAT.&SUN, 815 N VIRGINIA, OKC-ICE FIGURE SKATING; FUN SKATE CENTER- SUN. ROLLER SKATING; LAKE OVERHOLSER- SAT. ROWING; TRI-CITY GUN CLUB- SAT.&SUN., NORMAN SHOOTING; MOORE COMMUNITY POOL- SAT.&SUN., SWIMMING & WATER POLO; WILL ROGERS SWIMMING POOL- SAT., MASTER SWIMMING; OKC TENNIS CENTER-SAT.&SUN. 3400 N PORTLAND, TENNIS; DEL CITY HIGH SCHOOL- SAT., VOLLEYBALL

All VOLUNTEERS need to notify N5FMU IN ADVANCE so that gate passes may be distributed and posts identified.

Two command posts will be used - The Myriad C.P. will operate on the 34/94 repeater thanks to MORI and will cover the Downtown Street events; The State Fairgrounds will cover all other remote sites using 22/82 thanks to OCAPA.

Remember to bring extra batteries for your Hand-Held. an EAR SPEAKER will help because it is HARD-TO-HEAR with Thousands of people around you.

Also, the JSGs is supporting our FD activities. A FD site will be set up at the Amphitheater on the South side of the Fairgrounds, just North of the Grandstands. COME ONE- COME ALL YOU ARE WELCOME to help set up and/or operate station - K5OK from the Oklahoma State Fairgrounds - our report will be (2-A-OK). And we will have a NOVICE/TECHNICIAN station for you to operate.

Please call Charles - N5FMU Home-3404468 or Work-9494116 and let me know when you can HELP! 73 Charles, N5FMU

VOLUNTEER EXAMINER PROGRAM

V.E. TESTS ARE HELD THE THIRD MONDAY OF EACH MONTH AT 6:00 P.M. AT THE OKLAHOMA CITY RED CROSS AT 10TH AND HUDSON. THESE SESSIONS ARE CONDUCTED UNDER THE WSYI PROGRAM AND ARE SPONSORED BY C.O.R.A.

SCHEDULED TEST SESSIONS FOR THE REMAINDER OF THE YEAR ARE AS FOLLOWS:

JUNE 16	SEPTEMBER 15
JULY 21	OCTOBER 20
AUGUST 1	NOVEMBER 17
	DECEMBER 15

EXAMS WILL BE HELD ON AUGUST 1, 1986 IN CONJUNCTION WITH HAM HOLIDAY. THIS SESSION WILL BE HELD AT THE LINCOLN PLAZA AT 7:00 P.M.

AT MAY'S TEST SESSION WE HAD ELEVEN CANDIDATES WITH FIVE UPGRADES. THE BREAKDOWN WAS AS FOLLOWS:

- 2 NEW NOVICES:
REBECCA DRAKE
AND ROY EDWARDS
- KASZCW TO GENERAL CLASS
- NSITQ TO GENERAL CLASS
- NSJCX TO EXTRA CLASS

CONGRATULATIONS TO THE NEW UPGRADES.

WE WOULD LIKE TO REMIND YOU THAT THESE TEST SESSIONS ARE FOR ALL LICENSE GRADES; FROM NOVICE TO EXTRA CLASS. WALK-INS ARE ACCEPTED. WHEN ATTENDING A TEST SESSION, PLEASE BRING THE FOLLOWING:

1. A FILLED OUT FORM 610
2. PEN OR PENCIL
3. CALCULATOR (IF DESIRED)
4. DRIVER'S LICENSE (OR OTHER SUITABLE I.D. FOR MINORS).
5. ORIGINAL HAM LICENSE (YOU KEEP)
6. XEROX OF HAM LICENSE (WE KEEP)

IF YOU DO NOT HAVE A FORM 610, ONE WILL BE PROVIDED. A \$4.25 FEE WILL BE CHARGED, AND THIS FEE COVERS AS MANY ELEMENTS AS YOU SUCCESSFULLY CONTINUE TO PASS (YOU LOSE NOTHING BY AIMING FOR THE HIGHEST LICENSE AND IT GIVES YOU THE OPPORTUNITY TO SEE WHAT YOU MAY BE IN FOR AT FUTURE TESTS).

NOVICE TESTS ARE AVAILABLE AND ARE FREE OF CHARGE.

IT HAS COME TO OUR ATTENTION THAT SOME CANDIDATES ARRIVE AT A TEST SESSION ONLY TO FIND OUT THAT THE TEST MATERIAL DOES NOT MATCH THE STUDY MATERIAL THAT THE CANDIDATE USED. PLEASE BE SURE YOU ARE STUDYING THE LATEST MATERIAL. BORROWING SOMEONE ELSE'S MATERIAL MAY NOT BE THE CHEAPEST WAY OUT IN THE LONG RUN.

TEST QUESTIONS ARE CHANGED ONCE PER YEAR PER ELEMENT ON A STAGGERED BASIS. THE SCHEDULES FOR TEST ELEMENT QUESTION CHANGES ARE AS FOLLOWS:

NOVICE REVISED 7/85
IMPLEMENTED 1/86
GENERAL REVISED 11/85
IMPLEMENTED 5/86
ADVANCE REVISED 1/86
IMPLEMENTED 7/86
EXTRA REVISED 4/86
IMPLEMENTED 10/86

AS YOU CAN SEE, THE TESTS ARE REVISED AND SIX MONTHS LATER THESE QUESTIONS MUST BE USED IN THE TEST SESSION (IMPLEMENTATION DATE). IF YOU HAVE ANY

QUESTIONS CONCERNING THIS INFORMATION CONTACT DON KELLY KASUOS, LOCAL VE CONTACT PERSON FOR THIS WSYI GROUP. I HOPE YOU WILL FIND THIS INFORMATION HELPFUL WHEN STUDYING FOR YOUR TEST.

HOPE TO SEE YOU AT THE NEXT TEST SESSION.

RON -- ND55



FOREST PK, OK(NL) May 25: Just a few 11th hour add on's; permission via our Chapter's President & Editor, Robt. Runyon, AA00. I trust this info will be particularly useful to members & readers who do not glean news from our Sunday "on-the-air" meetings.

Very elated that Joe Harding, WA5ZNF & (C&E Editor) is recovering so well and so speedily from a heart attack, Sunday last (May 18th). Joe's XYL, Frances sincerely appreciates the expressed concern and assistance from so many friends.

Early May, Margaret (M) & myself (F) had a super Arkansas sojourn; participating in the Razorback Chapter's spring meeting (May 3rd, Holiday Inn, Rogers) along with 48 OM's & YL's. Great to swap stories with so many Razorback friends-in particular with Stan & Dorothy Ball, N5BQC that we seldom see, but QSO at least weekly; tho sometimes weakly. Met Cecil Cash's long time friend, Nelson Bailey, K5TML- President of new (Central Ark. Chapt.). After noon buffet most of the gals journeyed to War Eagle Festival-some 15 miles SE of Rogers. Business meeting followed the buffet. Great to see Leland Smith, W5KL, President QCWA Inc & his YL, Helen, WA5WAR. Leland looks & says he feels great after 28 days in Harrison & L. Rock hospitals with complicated Staph. problem-many many IVs, etc. Said he was v. sorry to miss the Board Meeting @ Irving & Dayton Hamvention. Now to some info from my rather sketchy notes:

(a) HQ now has a full time office man-Monday thru Friday. The computer is on-line & now ready to assist any & all members with their inquiries.

(b) The copyright for our most familiar QCWA "LOGO" has expired. Very likely other Orgs. will use the center portion.

Ethel Smith, K4LMB has submitted a new design (See Repro. following). Our OT now has a microphone, the key, & has lost his beard. Leland let me reproduce his only copy to bring home. Sometime soon the pins will be revised by a new engraving. SUB ED NOTE: Our present pins, etc may well become Collector's Items???. The new "LOGO" follows.



(c) Ballots to elect five (5) Directors for two year terms plus constitutional changes should be mailed to all QCWA Inc's active members by May 15th. The Tellers for 1986 will be Dallas Chapter No. 41. SUB ED NOTE: Rcv'd mine yesterday-lets make it 100% for Chapt. 63!!!. The postage is prepaid by HQ.

Please note the slate of Directors-this is a very sincere plug for Raymond Willis, W5ATO!!!

(d) This year the DIRECTORY will not be free from HQ. The cost will be \$5.00 and delivery by spring 1987.

(e) Currently there are 159 chapters, but 10 are on the inactive list. HQ activity is attempting to get them back in the fold. One Chapter has one member, but has no meetings scheduled. There are approximately 1000 drop outs per year. A rebate system is in the works as a means of reducing this occurrence.

(f) Leland-If I have misinterpreted some of your statements, Please Excuse.

(g) Due to lack of space have had to leave out some items; such as Scholarship Fund, Building Fund and the Novice Enhancement statistics. The upcoming QCWA NEWS is certain to cover these & many other items.

This past week while working in the Research Library at the Air Space Museum and cataloging, ran across a very interesting book. Practical Wireless Telegraphy by Elmer E. Bucher, Instructing Engineer, Marconi Wireless Telegraph Co. of America (Copyright 1917. It was donated by the estate of Hope Biggers. Many FAA-ers probably knew him. I called Carl Drumeller, W5JJ and was informed this would be so. I intend to get this book to Carl and hopefully he will respond with a Thumbnail Sketch at a future date. 73 Fred, W5NL

FILE ZERO
JUNE 1986

For some reason, I've lost the traffic count for April. So we will forego that particular pleasure this month.

In accordance with the recently announced policy of the International to eliminate the "deadwood" from the files, the following names have been eliminated from the Chapter 63 roster. We (Howard and I) wish we didn't have to do this, but Robert Edlund, W5DE; Ode Cook, W5JFT; William Williams, K5JVD; Glenn Watkins, W0RTH; and Robert Janson, K5TQV have been eliminated from the Chapter 63 rolls. Now, this action doesn't mean that these amateurs are not welcome to attend our meetings. Nor does it mean they cannot check into the Sunday morning meeting on-the-air. All it means is that they haven't paid their international dues, and are therefore ineligible for continued membership in the local chapter.

Now, for the "Rest of The Story..."

This correspondent has a short comment about the new QCWA logo... I do not like it. The grandfatherly figure of the "old man" at his key has always held a certain fascination for me. I have a beard. Therefore elimination of the beard offends me. I work mostly CW (except Sunday mornings), therefore elimination of the key, and substitution of the microphone offends me. So all my particular sacred cows have been kicked. I'll get over it, but I still reserve the right to go into the corner and bout over the updating of out revered logo. A letter to Ted, W5EJ is in the mail on this subject and a couple of others as well.

Carl, W5JJ has provided a little light comedy for our entertainment:

DEFINITIONS

AUTOMATIC CONTROL...a magazine used to prop up the front of the rig so you can read the dial more readily.
ANIT-TRIP DEVICE...a really short microphone cord.
MODULATION ENVELOPE...the one your telephone bill comes in.
ENVELOPE DETECTOR...a letter box.

PRODUCT DETECTOR...the name plate on the rig you are using.
PTT...noise of a fuse blowing.
from AMATEUR RADIO
via W5JJ

NOVICE COMMENT W5JJ

To me it appears that too much reaction has been stirred up by the proposal to permit Novice Class operators to use radiotelephone on a portion of the 28MHz band. Many have commented on the matter on having a ten-year and renewable license.

Both the Technician Class and the Novice Class require a five word Morse code test, but I don't recall hearing any spate of angry protests over the Technicians having a 10 year renewable license.

On the matter of having to pass a Morse code test to acquire an Amateur Radio License, I've often commented that any person having the mental and physical capability of crossing himself and going to the bathroom alone PLUS THE PRIDE AND SELF-RESPECT TO USE THE TOILET PAPER BEFORE LEAVING THE BATHROOM could easily qualify himself to pass the Amateur Radio license examination.

And on the matter of using Morse code after the examination has been passed... well, I liken the argument of radiotelegraphy vs. radiotelephony to the contentions relating to fishing with a hook and line vs. fishing with a stick of dynamite. Exactly the same points can be made. The use of dynamite requires no extensive study, no time-consuming training; anybody can immediately move into the ranks of an accomplished fisherman. Oh maybe the dynamite does upset the milieu more than a simple hook... but so does radiotelephony.

Please don't get the idea that I'm putting myself forward as a hotshot telegrapher. Far from it. Although I've known the Morse code since 1919, the truth is that I'm a blodder. (That's OK. I'll plod with your kind any day -ed)

W5JJ

This month is short. 73. from Rob- AA00



Meetings held at Red Cross Bldg
NW 10th & Hudson
2nd Saturday of each month
9:00 AM -- Come early
Club dues: \$10 per year

Swap Meet

This month we didn't hold a meeting. Instead, we had a swap meet in the Red Cross parking lot. The first dealers arrived at 8:00 AM and the last hangers-on departed at around 1:30 PM. The weather benevolently held out.

Everyone seemed to have a good time. I certainly did. As a spectator last year, I wasn't too thrilled by the swap meet, so this year I decided to sell something, and I thoroughly enjoyed myself.

Because I was busy selling my diskettes (at bargain basement prices, I might add), I didn't see everything that the other dealers had to offer. The fellow next to me sold a Tandy Model IV. Steve Moore was selling, among other things, some disk drives and a Dragon.

Bob Striegel disposed of a friend's merchandise and accumulated an old gray case CoCo, a disk drive, and a controller in the process. His son, by the way, made quite a killing by selling soft drinks. Bob Pace, of course, brought a carload of new and pre-owned merchandise. I spied Bill Warren in the distance with a varied assortment of electronic bric-a-brac. Many other dealers besides these set up shop, but I can't remember them all.

The most enjoyable part of the swap meet was talking with all the people who came by my "booth" (in other words, the trunk of my car). I conversed with many new people.

Jim Osborne, the Secretary for the TI user's group which meets right after we do each month, had some kind comments about the Color Computer. He also mentioned that his club was willing to move back their meeting time to 12:45 or 1:00 to give us a little more time for our programs each month. Sam Murr might want to explore that subject with Jerry, their president.

Duane Woodson spoke about the Enid chapter of COCO, Inc., which rescheduled its first meeting for May 11, 1986. David Sands, another parttime Enidite, aspires to set up a bulletin

board in Enid. Duane and David met one other for the first time and planned the location for the Enid meetings. Duane, David, and I chatted for an hour after the swap meet ended. Duane currently has 256K, but his 512K upgrade paraphernalia just arrived in the mail the day before the swap meet. He should have some interesting comments on the 512K upgrade at the next meeting.

Speaking of next month's meeting, you won't want to miss Harold Todd's videotaped presentation concerning COCONET. Also on tap will be an auction of the junk merchandise that didn't sell during the swap meet. For those of you who need some diskettes, I'll be selling them for \$7.50 per package of ten or 3 packs for \$20.

CoCoFest

I think I'd better explain the latest about CoCoFest. In last month's Collector & Emitter I merely gave you the updated information without relating any background data.

You may remember, at the April meeting our plans were to hold CoCoFest at the Central Plaza Hotel. Well, on the Monday after our last meeting, I went to the hotel to pay the rental on the room and discovered that they had booked our room to another group. I was flabbergasted! I couldn't believe that they'd do something like that.

The next day I began looking for another site. I visited several that were obviously too small, and then I went to the Myriad. I was amazed to learn that the Myriad was less expensive than the Central Plaza.

CoCoFest '86 will take place on Saturday, July 19, 1986 at the Myriad. Dealers may begin setting up at 7 AM, registration will begin at 8 AM, and the doors will open to the public at 9 AM. We will award door prizes hourly. The festivities will terminate at 5 PM.

Admission will be \$2 for individuals or \$6 for families. Swap meet tables will cost \$1 each. Dealers should contact Archie Washington (751-4162) or Martin Schiel (670-6891) to arrange for tables.

Parking will be available underneath the Myriad for \$2. The Myriad has agreed to open a concession stand for our convenience. In addition, some restaurants may be open across the street in the Sheraton Century Concourse.

The Sheraton Century Hotel, awarded a four diamond rating by

AAA, will be the official hotel for CoCoFest '86. The regular rooms, with a king-size bed or two double beds, rent for \$39 per night. For those with more extravagant tastes, the Sheraton has some \$85 rooms replete with concierge and complimentary hors d'oeuvres and sparkling wine. To get the special rates, call the Sheraton at 235-2780 and mention COCO, CoCoFest, or the Central Oklahoma Computer Organization.

Subcommittee chairmen are Bob Pace (seminars), Archie Washington (registration), James Daggs (coordination), and Martin Schiel (advertising). These chairmen need your help to bring about a successful CoCoFest.

Remember, YOU voted to have this event, so please volunteer for a committee. We especially need volunteers for the registration tables, the COCO, Inc. table, and the coordination committee. Don't expect the other guy to volunteer, because he isn't going to. It's up to you.


On May 1, 1986, I mailed invitations to 20 software dealers, 20 Color Computer user's groups in adjacent states, and Falsoft, Inc., publishers of THE RAINBOW. I'm still composing a letter to mail to Brand X user's groups in the adjacent states.

Other computer users can also benefit greatly from CoCoFest for several reasons. First, no matter what computer we own, most of us can share the same printers, modems, disk drives, diskettes, etc. If some dealers and swap meet hawkers show up, everyone will benefit from the bargains which will abound. Next, we can learn something about each other's computers by talking with one another. Finally, and most importantly, the seminars that Bob Pace has tentatively lined up transcend computer boundaries.

Bob has done a fantastic job scheduling seminars on graphics programming for fun and profit (by the author of LUNAR ROVER and MOON PATROL), educational software programming (by the owner of Dorsett Educational Systems), and computer interfaces with weather satellites (by Bill Holland). In addition, there may be some audio-visual demonstrations and a program on packet switching. Besides all this, Bob has even promised some surprises. He's done a terrific job.

Well, I knew we were capable of putting on a very creditable convention, but I think CoCoFest '86 will rival any RAINBOWfest. Do YOUR part to make it a success.

-- Martin Schiel, 670-6891

SUN	MON	TUE	WED	THURS	FRI	SAT
1 <i>June</i> 1986	2	3 MORI Great Plains	4	5 Aeronautical	6	7
8 Wheatstraw	9 EDMOND CLUB	10 76'ers O U O I D A R	11	12 ALTUS AREA CP/M	13	14 C O C O SCARS ARDMORE
15 EARS	16 VE EXAM RED CROSS BLDG. 6:00 PM	17 AUTOPATCH	18	19 CIMARRON KAY County	20	21 VHF Club
22	23	24 CORA	25	26	27 COLLECTOR - EMITTER 	28
29	30				The managing editor assumes no responsibility for the data contained herein.	

HAM HOLIDAY MAIL

IF YOU SENT YOUR PREREGISTRATION IN FROM LAST MONTHS C&E AND IT WAS RETURNED, PLEASE RESUBMIT IT. THE POST OFFICE WAS ALL MIXED UP. JERRY ORDERED THE BOX IN CORA'S NAME BUT IT HAS BEEN CORRECTED - SO - SEND IT IN TODAY TO:

HAM HOLIDAY
P. O. BOX 60084
OKLAHOMA CITY OK 73146
AND IT WILL BE PUT IN THE BOX.

For Sale: From estate of Don Morris, W5TMM. Operating equipment: Yaesu FT-301 Transciever, Yaesu FV-301 VFO, Dentron MLA 2500B Amplifier (w/ 10M), Butternut all band vertical antenna, Microphone and antenna relay, Powman CB-755 CB rig. Repairable and construction items: Mini beam and rotator, Hi-Gain Vertical, Mobile multi-band antenna, high voltage power transformers, regulated power supplies, variable voltage power supply, boxes of semiconductors and small variable capacitors, etc. Contact Debbie Morris, 946-1801.

GREAT PLAINS (CONT)

is a several day affair with many events planned for each day. Our task will be to help with the foot races, a ten K and two mile fun run. Many of the communities in our area have yearly get-togethers that attract many visitors and give the communities the opportunity to work together.

Net activity on the Northwest Oklahoma Service Net and Weather Net seems to be up substantially. For the month of April, the combined reports were 14 sessions with 180 check-ins and one routine message handled. Kent, N5HID, from Shattuck, OK was appointed as net control for Wednesday evenings. He was appointed on Monday evening, and by his first net the following Wednesday, sounded like he had been calling nets for at least 20 years. We are very fortunate to have a good group who work with the nets.

Recently, Friday, May 16, to be exact, the OM and I had the opportunity to listen to other storm spotters at work. We were staying at Tinker AFB the night of the storm and were in-

tently monitoring the 22/82 group. Their methods of location are much different than ours, but their activities were very professional. With the commercial television stations having problems that evening staying on the air, it was very reassuring to have the talkie in the room and to be able to keep up with the storm's severity on a first hand basis.

O.C. Elfers, WA5OUV, longtime GPARC member and League official, acting in behalf of Ray Mangler, West Gulf Director, presented certificates of appreciation to two of our members at our last club meeting. Honored recipients were Bill Wyatt, KD5JR, and Windle Hatchett, WA5PLW. Bill was recognized for his continued efforts at the radar and Windle for his long time work with our area repeaters. The certificates were well deserved and we are certainly proud of these two outstanding members of our club. 73, Lois, KA5PYA

WA5CZN says,

**Are You Rundown?
Spiritual Batteries Need A Charge?**

**GET
REJUVENATED**



**Got a Problem?
Call Johnny Ore 632-5098**

**S.W. 27th and Blackwelder
Sunday 10 A.M. and 6 P.M.
Wednesday 7 P.M.**

**At The Exciting New
Messiah Ministries Church**