

## NEAT FACTS ABOUT A5A

Recent earth-shaking exploits by our own beloved Q. R. Zedd, A5A, have intensified the usual immense interest in the man who is an inspiration to us all. For those new to the hobby, or the history of the great man, we present a Q. R. Zedd Miscellany, fantastic facts about the greatest DXer of them all.

Zedd was born more than a half-century ago during a DXpedition to Tibet by his famed parents, Zepp Zedd (inventor of television, the VCR and arch supports) and Constance Wilhemina (CW) Zedd (former fan dancer, international spy and world record-holder for Morse code speed). Only hours after Q. R. was born, his daddy was killed in an avalanche. This, combined with the difficult delivery on a freezing mountainside above the 14,000-foot level, cut Momma Zedd's CW QSO rate to fewer than 600 per hour for three hours.

Zedd is six feet, two inches tall, and weighs a trim 192, the same weight he carried when he won Olympic gold medals in swimming, track, boxing, wrestling, marksmanship and logbook maintenance. He is frighteningly handsome and all women find him totally irresistible.

Zedd lives on Honor Roll Ranch, just a hoot and a holler south of town. His antenna farm, which includes two towers 3,000 feet tall, has been declared a national disaster area by the Commercial Airline Pilots Assn.

Despite their worries about his towers, pilots -- like everyone else -- adore Zedd. They use radar a lot, and he invented it.

Zedd worked his first country at age 3.

Zedd has worked all countries on all bands, all modes.

Zedd has worked all stations.

Married to the former

## Q. R. Zedd

Tondelayo Schwartz, blond, nubile, gorgeous 20-year-old once voted the cutest graduate in the history of the Harvard Business School, Zedd has a son, Zepp, one year old.

Zedd's 1x1 callsign, A5A, was awarded to him in recognition of his magnificence in general, and in particular for his work in restructuring the FCC, designing the antennas for the Voice of America, planning all the electronics in the Space Shuttle system, and spaying the president's dog.

The great man's most famous exploit to date is his Atlantis DXpedition of some two years ago. Moving in within weeks of the discovery of Atlantis by his old pal, Jacques Cousteau, Zedd and an underwater team made 66K contacts from a depth of 560 feet while wearing large plastic trash bags and breathing through Scuba gear.

Momma Zedd lives in Mena, Ark. She is still gorgeous. She drives around on a Kawasaki 1000 trailing a Zepp (what else?) antenna. Her specialty is 40-meter CW. She holds the world record for CW. She got to 102 WPM in the annual contest at Boulder, Colo., and could have gone faster except her speed of transcription made her pencil and paper catch fire.

Zedd is one of the few hams we know about who has had a song written about him. "The Legend of Q. R. Zedd" was introduced at an Oklahoma Ham Holiday about three years ago by Zedd's fishing buddy, Kenny Rogers. The record quickly went platinum.

A5A has designed all the good antennas ever built. He came up with

an especially neat configuration a few years ago, but let the credit go to a friend of his who was down on his luck, a feller name of Yagi. Zedd then designed another directional antenna and wrote it up for QST, calling it "The Quality Antenna." Due to one of those typographical gremlins, the title of the article came out with a 42-point misprint, calling it "The Quad Antenna," and it has been so known ever since.

To preserve anonymity, Zedd sometimes goes places under the name of Rhombic.

Zedd is distantly related to both Marconi and Edison.

It was a great thrill to him a few years ago when, testing a new receiver of his own design, he heard long-delayed echoes from Marconi, his maternal great-great uncle. Zedd sent off a response, but there wasn't any answer. His QSL was returned, too.

Zedd is a life member of the ARRL, is No. 1 (of course) in every DXCC listing, and holds the coveted Yodar Kritch with oak leaf cluster. He once worked W5MCJ on hf phone, a feat likely never to be equalled.

All men revere Zedd, and all women adore him. He is in all the Halls of Fame of the world, including the NFL Hall at Canton, Ohio, and the Baseball Hall at Cooperstown, N.Y. He still holds three rushing records in the NFL, and had a lifetime major league batting average of .388. He never made an error.

Zedd is so humble that it's hard to keep up with his exploits.

He can often be found around Saturday meetings of the South Canadian Amateur Radio Society. It isn't hard to pick him out. He's the handsome devil sitting modestly in the corner, booted feet on the edge of the table, his transceiver stuck to the chest of his sweat shirt with velcro tape, loading into his 20-meter belt buckle.

- KU5B

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**1 AERONAUTICAL CENTER ARC**

MEETS: FIRST THURSDAY, FLIGHT STANDARDS

BUILDING, FAA, SOUTH MACARTHUR 7:30 PM

PR JACK IRAN, NBSSVN

WORK AREA-4403

VP

HOME 677-8537

S/T BOB PACE, WASCJ6

WORK 686-2788

EDITOR: BOB PACE, WASCJ6

,376-3569

**2 CENTRAL OKLAHOMA VHF**MEETS: 11:00AM THIRD SATURDAY, THE BRICKS  
RESTAURANT, 3100 N PORTLAND, OKC

PR JIM WILLIAMS, KSVRL

789-0769

VP LAST ONE TO ARRIVE AT THE MEETING PLACE

SE JOE BUSMELL, K5JB

732-0676

TR ELLARD FOSTER, WSKX

789-6702

EDITOR: JOE BUSMELL, K5JB

732-0676

**4 OK CITY AUTOPATCH**MEETS: 7:30PM, THIRD TUESDAY  
SALVATION ARMY, RM 50 & PENK

PR GEORGE ASKING, AD10

722-0974

VP DENNIS PATTERSON, W5SCB

498-0769

DE DAVID CAREN, KFSEB

TR MIKE CRENS, W5DOB

722-2638

EDITOR: CHUCK MILHITE, K5NK

721-4926

**5 OKLA UNIVERSITY ARC**

MEETS: 7:30PM SECOND TUESDAY (SEP-MAY)

119 WILSON CENTER, 1334 S JENKINS

PR FRANK DONALDSON, W5IOJ

329-4172

VP JOHN MUSTENBERG, KESK

325-2382

S/T JIM GREENSHIELDS, W5HPU

321-9981

**6 ALTUS ASSOCIATION**MEETS: 7:30PM, THIRD THURSDAY, NORTH  
MAIN FIRE STATION (CD) ALTUS

PR JAMES HOLLEDALL, K8SLS

482-5308

VP NONE

S/T LOREN SINNS, W5CBF

477-0921

EDITOR: LOREN SINNS, W5CBF

477-0921

**7 BICENTENNIAL (76er) ARC**

MEETS: 7:30PM, SECOND TUESDAY.

PR DENNIS MUSSEY, K5GTH

524-4760

VP DICK BAKER, W5THW

745-3877

S/T JERRY SPROUL, W5AHU

354-0017

EDITOR: JERRY SPROUL, W5AHU

354-0017

**9 WHEATSTRAW ARC**MEETS: 2:30PM SECOND SUNDAY. LOCATION VARIES.  
SEE CLUB SECTION FOR DETAILS.

PR NEAL WSKCO

VP PERRY JONES, W5NGZ

772-6063

S/T JOE GARLAND, W5FLT (CALUMET)

893-2660

EDITOR: JAN KUEHN, W5JUT (OKARCHE)

263-4480

**11 EDMOND AR SOCIETY**MEETS: ODD MONTHS, 3RD SUNDAY, 2:00PM EDMOND  
EOC. DINNER, EVEN MONTHS, 3RD FRIDAY.

PR PHIL WOLFENBARGER, WSHIP

789-0681

VP DEE NIZE, WDSFHR

341-6163

SE GLORIA GUINN, K8SBGM

341-3886

TR EDITH VAUGHN, K5YPX

348-2961

EDITOR: DEE NIZE, WDSFHR

341-6163

**13 KAY COUNTY ARC**MEETS: 7:00 PM, THIRD THURSDAY, SEP-MAY,  
PIONEER VO-TECH, PONCA CITY OK

PR MIKE MORGAN, WSLPZ

765-9539

VP STEVE HUSTON, K8SDOR

762-4726

S/T HARRY BEATIE, W5OPR

765-3862

EDITOR: DAVE LAAND, KDSFX

762-8616

**14 CIMMARON ARS**MEETS: 7:39 PM SECOND TUESDAY  
W5Y PLAYHOUSE, 827 S 13, FAIRVIEW

PR RAY BARNES, WBSI

274-3334

VP LEO PEIL, W5H

886-2998

SE MADINE PAINTON, W5FHH

764-3599

TR DENNIS PAINTON, W5V

764-3599

EDITOR: JACK DAY, WNSI

227-3462

**15 SOUTH CANADIAN ARS**MEETS: 9:30AM SECOND SATURDAY, RED CROSS BLDG  
NORTH OU CAMPUS. NORMAN

PR ANDI WOLFE, WUSM

799-5150

VP DAVID MEDDERS, K5PL

360-4292

SE DORINDA SKAGGS, W5IUA

799-5363

TR MONTE BATEMAN, W5RZX

329-7485

EDITOR: DAVIS EGLE, KDSIT

321-7570

**16 EDMOND AR CLUB**MEETS: 7:00PM SECOND MONDAY. SEE CLUB  
SECTION FOR LOCATION AND TYPE

PR MARK NORTHCUTT, W5DYI

755-4672

VP SANDY ORCUTT, K5ONI

340-0034

S/T KAY NORTHCUTT, W5DYJ

755-4672

EDITOR: MARK NORTHCUTT, W5DYI

755-4672

**17 OK CPM USER GROUP**MEETS: 7:30PM SECOND THURSDAY OSU,  
ROOM 307

PR WILLIAM COOTER

360-2141

VP JIM WHITE

364-5289

S/T JOY NELTON

789-0280

EDITOR: WILLIAM COOTER

360-2141

**18 GREAT PLAINS ARC**

MEETS: 2:15 PM FIRST SUNDAY

WOODWARD PUBLIC WORKS BLDG.

PR MINDLE HATCHETT, W5PLN (FT SUPPLY) 766-3561

VP RON TICE, W5OPG (MOORELAND)

994-2138

SE ROD FORD, W5OVT (GAGE)

923-7683

TR FREIDA PATTERSON, W5EOI (HOND)

236-2111

EDITOR: LOIS FORD, W5JGO (GAGE)

923-7683

**19 OKLA INDEPENDENT ARC**

MEETS: 7:00PM SECOND TUESDAY

SOUTHWESTERN BELL OFFICES, PONCA CITY

PR LIL JACKSON, K5ZJH

762-7299

VP BRUCE LEFEBURE, K5ZKI

NONE

SEC BIZ WICHY, W5WCO

762-3297

TR DAVE WHITE, W5SLUI

765-5707

EDITOR: Mike Morris, W5JJR

765-6260

**CENTRAL OKLA RADIO AMATEURS**MEETS: 7:00PM FOURTH TUESDAY. RED CROSS  
BLDG. 10 & HUDSON OKLA CITY (BACK DOOR)

PR JOHN THOMASON, W5SYT

340-1798

VP

SE YVONNE HARRINER, W5TYM

379-3149

TR MARK KLEINE, W5HZR

329-4285

CON/CON: CHARLES HOFFERBER, W5FHU

340-4468

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## Minutes of July Meeting

Meeting was called to order by President Jim, K5VRL, at Denny's, 39th and Portland, at 12:40 P.M. with 18 members and guests present. Minutes of the last meeting were approved as published in the C&E.

Jim gave Ellard's Treasurer's report. Next month's meeting will be with the Aeronautical Center ARC and will be the annual watermelon feed. Jim, K5VRL, made arrangements for the place as follows:

The joint ACARC/VHF Club Watermelon feed will be at Bethany Lyon park, N.W. 36th and Glade (between Council and Rockwell) August 19. That is a Friday. It will start at 6:30 P.M. It will be in the West shelter.

In case you missed it, the joint ACARC/VHF Club Watermelon feed will be at Bethany Lyon park, N.W. 36th and Glade (between Council and Rockwell) August 19. That is a Friday. It will start at 6:30 P.M. It will be in the West shelter.

Hope to see everybody there!

Fred, W5NL, reserved Denny's for the September 17 meeting and we adjourned by 1:00 P.M. Joe, K5JB Sec'y

## Doggy Month

It has truly been "Dog Days" around my ham shack. I have been so busy with a project at work that I haven't been in the mood to do much when I get home in the evenings. Things have been breaking as fast as I can fix them. I notice that the Net/Rom packeteros are having their problems keeping things running through these pesky thunderstorms.

As you might remember, I took a lightning hit last summer so I have not been so cavalier about leaving antennas connected this year. I still don't have a couple of items repaired from that experience. There are now three indoor packet radio antennas installed here, one of them in the attic. (It is a Larsen mobile antenna on some scrap metal and it out performs my Ringo Ranger dummy load with incidental radiation by about 20 dB. Pitiful!) The Butternut 2M vertical is still performing well though it took a curl in last winter's ice storm.

I think I am just marking time until I can get off to Oshkosh for the EAA fly-in. And then, it will be time for Ham Holiday, Oh- Boy!

I haven't heard from DRSI and received the promised update to the control program for their PC\*PA circuit board for the MS-DOS computer. I ought to call them on that. I did send my Pac-Comm Micropower 2 back to see if they could find an intermittent. They sent me a new replacement! Good show!

I was looking for something interesting to lift off the electronic bulletin boards and save the typing time this month. One thing, posted on Compuserve's Hamnet by my erudite friend Norm, N5JUP, was the text of FCC's NPRM 88-139 regarding plain english language revision of the rules. It is interesting but the whole text is about 180K and I am too lazy to whittle out enough to make sense here. I noticed that Mac, K2GKK, was downloading it off the packet radio bulletin boards, a page at a time. I thought about breaking it up into 20K files so it could be digested by the Commodore owners who browse through the BBS here. I even divided the file, but every time I found a 20K point, it was about 300 characters short of the end of a logical break between sections.

But, on further thought, why create a nuisance by putting the thing on the BBS? Let me make this offer: Send me an Apple or IBM disk and I'll mail you your very own copy of the NPRM. I will figure out how to get to Mac what he is missing and you can make your request of him if you want it on Commodore media. (Or, better yet, send to the FCC for a printed copy.)

Mac was over here the other night and exclaiming about my programming adroitness. (Actually, it didn't sound like that was what Mac was doing, but you gotta know Mac.) I must have really been bored because I was reworking a variant of the monitoring program I use on packet. I had started a version to use the TAPR TNC responses in the angle brackets that result from using the command "MCOM ON", but had abandoned it to develop the version that uses KISS code. (It is working very well, by the way and you who have MS-DOS computers, and are curious, can have a copy by mailing me a disk. You need KISS in the TNC. If you have a TNC-2, or a copy, and 32K of RAM, send me a 27256 EPROM and I'll put 1.1.5 code with KISS on it for you.)

If you are curious about packets flying about, like I am, your only sur-

vival is a smart monitoring program that will ignore duplicates caused by digipeating, Texnet bridge, Net/roms, etc. Also, you can make sense out of the Net/rom routing broadcasts and inter-node chatter, if you are interested.

After doing some more work on the version that uses the TAPR (N2WX) header I finally got my Frankenstein program straightened out and realized how simple it really is. If you are agile in BASIC and have a decent communication interface in your computer's operating system, you should be able to hack a smart monitoring program yourself. I'll tell you how to do it.

You will have to be agile with arrays because you need to record several things about each packet, including the call signs, type of packet, the next receive number, next send number, checksums, etc. Initialize the receive and send numbers with some impossible values, like 9, and initialize the checksums and packet types with zeros.

First, turn HEADERLN ON and grab the stuff a line at a time. Look at the last two printable characters on the line. If the last one is a ":", it is an information frame and data will follow. If it is a ">", it is some kind of a supervisory frame and there won't be any data. Throw a switch when you discover an information frame. You will want the program to examine the information before it makes a decision to present it to you. To keep from generating a bunch of string garbage, put the header line into a single dimension array. You will also be able to address the individual characters more quickly.

Next, go to the beginning of the line and see who it is from. Jump over the ">" and see who it is to. Put these in a table, if they are not already there and assign a circuit number to this pair of calls, or get the number of the pair that is already there. Check them against your "Id list".

Now, determine what kind of packet it is. If it is an I frame, note the S number. If it is RR, note the R number. Test these numbers against those previously stored in the array. If they are the same you probably have a dupe. If not, replace the old number with the new one. On the I frame, I also save the check sum of the information by frame number (an array of arrays). If the check sums match, I KNOW it is a dupe, well, probably is a dupe.

Dupe UI frames are flagged if the checksum of the information is the

same as the last UI from that circuit pair. I also keep a seven integer circular array where I store check sums of the last I and UI frames heard to enable a raw checksum test on these type of frames. This 'test', (which is selectable, but I usually leave it enabled all the time) takes care of dupe frames from the Net/roms, Texnet bridge and the DR-200 switches, which appear to be different circuits because of the call-sign switching.

You need to set up a system of switches so you can select what kinds of things you want to hear. My switches are for duplicates, supervisory, Net/rom and (ahem) Lids. (Lids in this context include "ID", "BEACON", whatever BBSs there are around, people who habitually download weather maps, etc.)

That is about the core of the thing. I got the circuit table idea from WB6MYH and NK6K's STATS programs and it has worked out very well here, making it possible to filter out the chaff and distill perhaps 200K of stuff heard overnight down to maybe 20K. It permits me to keep up with things without being swamped.

If you are wondering what this has to do with amateur radio, let me explain that I came in to the hobby when it was vogue to build your own ham gear. I have built at least one of every kind of hardware thing, and I am still building, only now it is software. Joe, K5JB

#### Packet Data Carrier Detect (DCD)

You might remember some time back I ran an article on the things that are necessary if you want the packets you transmit to be readable. Here is some advice, specific to the PK-232 from the author of one of those deviation adjusting articles.

This advice is good but let me preface it with a couple of explanations. Packet Radio, the way we use it on 2 meters, depends on the packet disassembler-disassembler's (TNC's) ability to sense that the frequency is clear before transmitting. If it doesn't, it will crash another packet and both will have to retransmit. If there are several simultaneously active stations, it is retry city! Different demodulator designs exist to do this sensing. If the sensing is done with a carrier lock detector, the TNC can be run in the presence with noise (like squelch noise, or on HF, spherics) without much concern about detection threshold adjustments. However, if a level detector is used, like in the PK-232, the detection level must be set so it works properly. I

don't have any experience with a KAM, but it uses the TCM 3105 modem chip which doesn't have a carrier lock detector. Since the KAM is designed to be used on HF it might well have a detector level adjustment also. Check your literature for advice on its adjustment.

This was received from Compuserve's Hamnet. It is file name PK232.DET, 09-Jul-88, by Eric, N7CL.

Recently, several new packeteers using PK-232s have appeared on our local duplex repeater which is dedicated to packet radio. This is one environment where the collision frequency should be very low since there are no hidden terminals. Almost immediately we noticed that the collision frequency had risen dramatically. After some investigation we discovered certain stations were almost guaranteed to be involved in stepping on in-progress packets. These stations were contacted and in all but 1 case they were new users of PK-232s.

We were very puzzled as there have always been some stations on the repeater using PK-232s with no apparent problems. The new stations were asked how their station was configured and what method was used to get the DCD operation adjusted. We were very surprised at the answers we got. Every single one of the offending stations had set their station up exactly according to the instructions in the PK-232 manual. However, contrary to the advice given in the manual, none of these stations had configured their setup so that they could hear what was going on on the channel when the PK-232 was connected to the radio. None of these new operators knew what DCD meant, what it did, or why it was important that it should be working on a multiple access packet channel.

We obtained a PK-232 and manual to try and discover the exact nature of the problem. What we found was that although the manual is very complete and generally very well written, there are some areas where it leaves something to be desired. Specifically, in this case, the instructions given on page 2-16 (we had manual PK232UG Rev. B 9/86 for reference) for setting up the PK-232 and an FM radio for DCD operation are simply incorrect. If set up exactly as described, DCD will NEVER be asserted during a packet transmission by another station on the channel!! We had found the cause of our problem.

If you have a PK-232 and haven't already discovered this problem for yourself, please disregard the instructions in the manual for setting

up a PK-232 and NBFM radio for 1200 baud packet operation and use the method presented here. All your packet neighbors will appreciate it very much.

The manual is quite correct in all respects EXCEPT where they discuss setting the DCD THRESHOLD control and receiver audio output level for proper demodulation and DCD circuit operation. The correct way to set these adjustments is as follows:

1. At least temporarily, arrange to be able to hear the receiver audio signal which is being sent to the PK-232.
2. Set the squelch circuit on the radio for normal squelched operation. The DCD circuit in the PK-232 is incapable of proper operation with unsquelched audio from the receiver.
3. While monitoring incoming packets, adjust the receiver audio level so that the tuning indicator "spreads" fully when receiving a packet from the station on the channel which produces the LEAST amount of audio output level. There are several limiters in the PK-232 demodulator so louder stations will not be affected adversely by this.
4. Once the audio level is properly set, adjust the DCD THRESHOLD control on the PK-232 so that the DCD led lights when there is a packet being transmitted by the station on channel which produces the LEAST amount of audio output from the receiver. Make sure, however, that the DCD LED is extinguished when there is no signal and the radio's squelch circuit has cut off all audio from the receiver.

If the above procedure is followed, the PK-232 will properly hold off transmitting during a packet transmission from another station and will not send acknowledgments to individual frames of a maxframe greater than 1 packet while it is still being transmitted.

We hope PK-232 owners will find this information useful and take steps to assure that their DCD is operating properly. Multiple access packet channel throughput is severely degraded when DCD is not working.

73 and happy packeting, Eric Gustafson, N7CL.

There you have it for this month. I'll add my "Happy Packeting to Eric's. Joe, K5JB

# SCARS

met on July 9 at the Norman Red Cross. There were more than fifty at the meeting, including three guests. A call-sign sorted SCARS roster was available for those that attended. You should have got your last-name-sort roster at the June meeting or in the mail.

## Trez Monte sez

"Here is a financial statement for mid-year, I hope I haven't forgotten anything:

Current Balance	\$1,500
3 months Phone @ \$61 (\$305)	
May-Dec C&E (8) @ \$35 (\$280)	
Controller Repairs	(\$150)
New In-Town Rcvr	(\$300)
Repeater Maintenance	(\$250)
*****	
Ending Balance:	\$215

When the hat was passed at the Saturday meeting, \$175 was raised towards the \$300 for the new in-town receiver. Pretty darned good for 15 minutes of fund-raising!"

## FIELD DAY 88

was a big day for SCARS. Here is a tally of the points scored (Courtesy WB5RZX BBS):

Mode	Band	Contacts	Points
CW	20M	36	72
CW	40M	42	84
SSB	10M	145	145
SSB	15M	347	347
SSB	20M	208	208
SSB	40M	362	362
SSB	80M	114	114
VE3QST	15M	1	100
-----			
Totals:		1255	1432

Much of this success was attributed to the Hfb (Helium filled balloon) vertical antenna used on 40 and 15 meters. Although the antenna was only 199.5 ft (60.8 m) high a solar flux stimulated electromagnetic illusion made it appear to be 400 ft (122 m). Signal reports from this antenna were very good (Ask Monte how he kept awake in the middle of the night!)

**Squawks about the** in-town receiver were generated by Gary, WB5ULK, who pointed out that the

interference was getting unbearable. Ken, NSKUK, told the club the problem was in the design of the current in-town link receiver. It is a single-conversion MICOR receiver (HEAVILY modified) with a 10.7 MHz IF. At night, when HF propagation is good, we hear Voice of America on 10.7 MHz.

Ken pointed out that it would cost about \$300 to replace the receiver with a better unit. It is also rumored that the club owns another VHF receiver (or transceiver) but no one seems to know where it is. If you know, contact Ken Brown, NSKUK. It was moved, seconded and approved to authorize the expenditure of up to \$300 for purchasing a new receiver if the phantom unit did not show up soon. Since the current budget could not withstand a \$300 expenditure, a special collection was suggested. See the treasurer's report above.

## OK QSO party

planning is off and running. The first ever QSO party in Oklahoma is scheduled for November 12-13. See the separate announcement in this issue of C&E.

## Lightning got

the SCARS repeater back in June sez Ken, NSKUK. He replaced 15 IC's and the telephone line protector so far. It is mostly operational except for a delay line which is on order. Cost of these repairs will be about \$150.

## Steve, NI8W,

talked about the upcoming O'Connell's Cup bicycle race for which SCARS had volunteered to provide communications. The date is September 25. We will need volunteers to help with this. All you need is a 2 m talkie with a good battery.

## Congratulations

Fred, NSHZX, who won the door prize (again!). His \$1 entry netted him a new SCARS jacket.

## The next

SCARS meeting will be on Saturday, August 13, at 9:30 am in the Norman Red Cross. But you will find friendly

KAY COUNTY

AMATEUR RADIO KLUB

Well the summer is going quickly, field day is over, the Grand Prix Races are over and Ham Holiday is just around the corner. Field day was a huge success! I've heard many say that this was the best we've ever had, and I will certainly agree with that. The pictures that N5LPZ took came out great, we'll pass them around at the next meeting in September. Congratulations goes to Mike N5LPZ and Steve KB5DOR for the great planning they did. Mike tells me that the score we made was 1342 which is certainly better than we've ever done before. (Of course we never tried for points before either.)

The Grand Prix races went much better than last year. I heard several comments from the AMBUCS and SCCA folks that we really helped out with things. George, KA0OCN brought some friends down from Kansas who helped out and got to enjoy the races too. A lot of hams helped out this time which made it really nice, but there was room for a few more.

I guess you'll get this the week of Ham Holiday, I hope to see you there. Come by my table in the flea market and buy something! (or at least say hello) I'll be leaving early Saturday morning give me a call on .97.

## PACKET NEWS-

There are a few new Packeteers in town, KA5SJK is on using the Digi-com-64 and KB5XG Len, from Fairfax is back again after a long absence. If you have a Commodore 64 there is an article in the August 73 magazine on how you can build an interface that will let your C64 become a packet TNC with all the 'bell and whistles. I have built two of a slightly different design and they seem to be working quite well. It only cost between \$24 and \$40 dollars to build one and the program is free. It's a cheap way to try packet radio with a minimum investment. NEXT MEETING- Remember, our next meeting isn't until September. (the third thursday) and it will be in the Vo-Tech building as usual. (That is, unless Mike N5LPZ decides to have it somewhere else.) That's all the news this month, have a safe summer. 73, Dave KD5FX

folks at the Red Cross every Saturday morning drinking coffee, eating donuts, and swapping dirty photos.

-----KD5IT-----

## TALK-IN FREQUENCY: 147.030 MHz

### HAM HOLIDAY 1988 -- SCHEDULE OF PROGRAMS

#### FRIDAY

- 7 P.M. Conference Room: An Advanced Spotter Training Program, Dr. Charles E.(Chuck) Doswell, National Severe Storms Laboratory, Norman, Oklahoma (7 P.M. to 9 P.M.)
- 9 P.M. Eyeball QSO's until ???

#### SATURDAY

- 8 A.M. FLEA MARKET OPENS (8 A.M. to 5 P.M.)
- 9 A.M. DEALER AREA OPENS (9 A.M. to 5 P.M.)  
Seminole Room: Arts and Crafts (9 A.M. to NOON)  
Blue Room: hands on demonstrations of packet, AMSAT, HF, and others (9 A.M. to 5 P.M.)  
Flea Market: Health Fair, everyone stop by and get your blood pressure, cholesterol, etc. checked (9 A.M. to NOON)
- 10 A.M. Conference Room: Oklahoma Repeater Society Inc. (10 A.M. to 11 A.M.)  
Rotunda Room: VE Testing (10 A.M. to NOON)
- 11 A.M. Conference Room: Navy / Marine Corp MARS (11 A.M. to NOON)
- 1 P.M. Conference Room: ARES / RACES (1 P.M. to 2 P.M.)  
Rotunda Room: Bingo (1 P.M. to ???)  
Seminole Room: Zoomobile (1 P.M. to 2 P.M.)
- 2 P.M. Conference Room: Oklahoma Packet Radio Association (2 P.M. to 3 P.M.)  
Seminole Room: Wildflowers of Oklahoma (2 P.M. to 3 P.M.)
- 3 P.M. Conference Room: AMSAT (3 P.M. to 5 P.M.)  
Seminole Room: Wildflower Projects (3 P.M. to 4 P.M.)
- 7 P.M. BANQUET (7 P.M. to ???)

#### SUNDAY

- 8 A.M. FLEA MARKET OPENS (8 A.M. to 1 P.M.)  
Governor's Club: informal breakfast (8 A.M. to ???)
- 9 A.M. DEALER AREA OPENS (9 A.M. to 1 P.M.)  
Seminole Room: Oklahoma Baptist Hams Worship (9 A.M. to 10 A.M.)  
Blue Room: hands on demonstrations of packet, AMSAT, HF, and others (9 A.M. to 1 P.M.)
- 10 A.M. Stars Room: Lightning Research at NSSL, Dr. W. David Rust, N5KCN, National Severe Storms Laboratory, Norman, Oklahoma (10 A.M. to 11:30 A.M.)  
Rotunda Room: VE Testing (10 A.M. to NOON)
- NOON Stars Room: ARRL Forum (NOON to 1 P.M.)
- 1 P.M. Stars Room: CORA Auction and Prize Drawing
- 3 P.M. HAM HOLIDAY 1988 CLOSES

# CORA HAM HOLIDAY '88

AUGUST 5 - 7, 1988

LINCOLN PLAZA HOTEL AND CONVENTION CENTER

4445 LINCOLN BOULEVARD

OKLAHOMA CITY, OKLAHOMA

GRAND PRIZE: ICOM IC-735

PRE-REGISTRATION PRIZE: ICOM IC-28

PLUS MANY OTHER HOURLY PRIZES

NEW AND IMPROVED (LARGER) FLEA MARKET AREA. TECHNICAL PROGRAMS FEATURING SCIENTISTS/HAMS FROM THE NATIONAL SEVERE STORMS LABORATORY. BAR-B-QUE BANQUET ON SATURDAY EVENING (YUM!)

Programs begin on Friday evening and continue through Sunday morning. VE testing will be conducted throughout the day on Saturday, so come ready to upgrade. Again this year, we will have our public access demonstration room featuring the latest technology in Amateur Radio, as well as, the old favorites. Bring your license and operate from HH 88. Also this year, Child Care will be available at Ham Holiday. Space is limited, so to reserve a place for your youngster, contact Andrea Wolfe, WU5W, at 405-799-5150. Again this year, the ladies will have a fabulous program. Last years ladies' programs are still being talked about around the Southwest and this year promises to be just as exciting. In addition to technical and non-technical programs, there will be the yearly meetings of the various organizations common to Amateur Radio -- Packet, MARS, Repeater Society, and Sunday morning worship sponsored by the Oklahoma Baptist Hams. Again this year, some of the largest dealers in the Southwest will be at HH 88. And the Flea Market moves back upstairs into the BIG convention area. So plan now to come ready to buy that rig or antenna that you've always wanted. New for this year will be a "come as you are" informal breakfast at the convention center. No program, order off the menu, shoot the breeze.

HH 88 IS BIGGER AND BETTER THIS YEAR!!!  
SEND YOUR PRE-REGISTRATION IN TODAY!!!

FLEA MARKET  
2 DAY  
COMMERCIAL  
DEALERS  
VE TESTING

PROGRAMS  
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PROGRAMS

LADIES  
PROGRAMS  
BAR-B-QUE  
BANQUET  
CHILD CARE

## PRE-REGISTRATION FORM

LAST NAME \_\_\_\_\_ FIRST NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_ CALL SIGN \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_  
ADDITIONAL REGISTRATIONS (NAME & CALL SIGN) \_\_\_\_\_  
RESERVE \_\_\_\_\_ REGISTRATIONS @ \$7.00  
RESERVE \_\_\_\_\_ FLEA MARKET TABLES @ \$2.00  
RESERVE \_\_\_\_\_ BANQUET TICKETS @ \$7.50

SEND PRE-REGISTRATION FORM WITH CHECK OR MONEY ORDER TO:  
HAM HOLIDAY '88 P.O. BOX 850711 YUKON, OK 73085-0711  
MUST BE POSTMARKED BEFORE JULY 27, 1988.



DIRECTIONS: Circle the letters of the sentences below that most closely resemble your attitudes about Amateur Radio. Then read the descriptions of those same letters that follow to determine your personality profile.

A. Twenty meters is the band with all the action. Its propagation, overall characteristics, and the skill of its regular operators epitomize the entire concept of Amateur Radio.

B. Twenty meters is full of California flakes and East Coast kilowatts. Amateur Radio is a fraternity, and that fraternity exists only on 40 and 75 meters.

C. Traffic handling is a living example of the history and traditions of Amateur Radio, and traffic handlers exude skills and decorum not found in the amateur community as a whole.

D. The high excitement and fever pitch of contest activities sharpen the endurance and stamina needed in an emergency operation. Activities sharpen the endurance and stamina needed in emergency operation.

E. Amateur Radio has few unexplored areas, few real operating frontiers. UHF is one of the last of these outposts of research and exploration.

F. Amateurs have a duty to serve their community in emergency situations. Consequently, each amateur should be prepared for the possibility that he/she may be called upon to render service above and beyond the call to duty.

G. Personally, I find traditional modes of amateur communication quite boring. Amateur Radio's only future is in the growing number of specialty modes and new developments in amateur communication.

H. As a young person involved in Amateur Radio, I find that I am often confronted with cultural gaps in my hobby.

I. Just as women in today's world are breaking into traditionally closed areas, today's YL's are also becoming involved in amateur activity. As one of this new breed of YL, I find the men and women of Amateur Radio exciting and challenging.

J. Too many hams these days are technically inclined to the point that they aren't good conversationalists. I find the friendships I've gained via Amateur Radio the most rewarding part of my hobby.

#### PERSONALITY PROFILES

A. You are fat, middle-aged, and smoke cigars. A real DX fiend, you own stacked monobanders at 150 feet. King Hussein knows you on a first name basis. When you key the mike, the power company declares a peak power consumption period.

B. Your idea of state-of-the-art equipment is an HW-101. You own an NCX-3 or a Hallicrafters of some sort. You and your cronies make a 7 1/2 kHz wide dent on the upper end of 75. On CW, you use a bug, and your fist reflects the creaky CW of the elderly. When people can't sleep, they tune to 40 and listen to you rattle about the "AM days."

C. You are basically nosy, and get secret thrills out of reading the traffic you pass. Your obsession with line noise borders on



paranoia. You fantasize about using thermonuclear devices to eliminate all your neighbors' household appliances, and strangling the 75 meter roundtable geezers with hardline.

D. You wear plaid shorts, black socks, and loafers to hamfests. Your call tag has little blinking LED's on it. Children in your neighborhood get spending money by shoveling out the aluminum beer cans at your place that stack up on weekends.

E. You think two meters is for peasants. Your house looks like Moonbase Alpha. Truth is, you have gear for every band above 440, but no one to talk to. People with pacemakers should not come over to your place.

F. Disaster is a turn-on for you. You love to jump in your car and chase tornados. You took every kind of first aid class the Red Cross offers in hopes of becoming a hero the next time it floods. You hover over the local repeater like the Angel of Death.

G. Your shack looks like Mission Control. For X pieces of gear, you have X/2 coax jumpers and 2/3(X-1) pieces of interface cabling, so it takes 30 minutes to go from one mode to another. In an ordinary, garden-variety ragchew, you are a total conversational geek.

H. Your parents hope Amateur Radio is just a phase you will grow out of. You lose points with dates by leaving the two meter rig on at the drive-in movie. You tell your friends that you'll be on MARS this afternoon, and they ask you if you can get them some of those good drugs, too.

I. Strange old men call you "honey" on the air. Everybody wants your QSL for WAS-YL. At hamfests, XYL's fume when you buy tickets for both the afghan AND the TS-430. While discussing erotic subjects like the Russian Woodpecker, these same XYL's drag their husbands away from you. Sometimes you wonder if someday these gals are going to get together and buy you a call sign hat with a scarlet A on it.

J. You regularly call CQ on top of BY1's. You call home on the autopatch and your spouse divulges your darkest secrets on the repeater. You have an impressive collection of "borrowed" QST's. Last week, your neighbors hired a gypsy to curse your tower.

As the reader has now discovered, NOBODY won on this one!

ARRL - QCD



## CIMARRON

CARA had a great Field Day in June thanks to the hospitality of Nadine, N5FMH and Denny Painton, WK5V and the hard work of Ray Barnes, AB5Z, Leo Peil, WZ5H, and Steve Schoonmaker, KF5SW. Denny had the site, just north of his farm house, looking like a park...even to a relief station tucked away in the nearby woods.

The new (?) portable mast donated to the club by Alva and Olive Adams, was refurbished and put in use and was termed a success thanks to the efforts of Steve and Denny. The burgers were burned perfectly by Ray and what can you say about home-made ice cream..... Heaven!

Participants were Leo and Ann Peil, and Terry Gould, Ray and Sue Barnes, Jack Day, NN5Z, Steve Schoonmaker, Dennis and Nadine Painton, Terry McColl N5MLT, Jack N5LEN and Joyce Kelly, with children Danita, Michelle and Amanda, Ernie and Wilma Martin (Sorry, Ernie, I seem to have lost your call), Ernest and Loneita Mongold and Robert Baker with Sheila and Tim.

I cant help but editorialize a little at this point. The short time that I could tolerate the CW contest, I found too many keyboards, too many amplifiers, and the sub-hams to go with them. While I was monitoring I heard the word "LID" five times addressed to different stations struggling to be heard. Personally, I believe it is time to change the format of Field Day back to the emergency station formation exercise that it was originally meant to be. The contest is self defeating and leaves a bad taste in ones mouth. End of editorial!

On a brighter note...CARA indulged in their favorite weakness, during their regular July meeting, the fourteenth. What else?????Home churned Ice Cream, and of course all the goodies and high calorie nicknacks that goes with it.

A short business meeting preceded the orgy, led by President Ray Barnes AB5Z. This included a report of Field Day results, and a comforting report by Terry N5MLT on our economic opulence....but nothing could slow down the attack for long on the row of delectables.

Those who did not go away hungry includes Bill Simpson N5HOK and Helen N5HQL, Jack and Betty KA5RTW Day, Ray Barnes, Adam Wiens, Dennis and Nadine Painton N5FMH,

## First-Ever Oklahoma QSO Party

1200Z Nov 12 to 1200Z Nov 13

The inaugural OK QSO party is cosponsored by the Edmond ARS and the South Canadian ARS. The contest will be held at the beginning of the ARRL Bicentennial '200' week for the state of Oklahoma. The event is being coordinated by N6CL/5(EARS) and KD5IT(SCARS).

Only fixed, mobile or portable single operator stations using phone, and/or CW are eligible for awards but any amateur can participate. Each station can be worked once on each band and mode. A portable/mobile station which changes OK county is considered a different station in each county.

Exchange: Give a signal report and your QTH-County for OK stations; state, province or DX country for others.

Scoring: Score one QSO point for phone contacts, two points for CW. For OK stations, the multiplier equals the sum of the number states(50), Canadian provinces(10), and DX countries(300+) worked. For non-OK station, the multiplier equals the number of OK counties(77) and the number of OK bicentennial '200' stations worked. Total score is the product of the QSO points and the multiplier.

Frequencies: +/- 5 KHz  
CW: 1835, 3535, 7035, 14035, 21035, 28035 KHz.

Jack Kelly, Steve Schoonmaker, Karen Schoonmaker, and Terry McColl! Our hostess and play-house net control was of course, Ruth Simpson, WX5Y. Thank you Ruth!!!

You may have noticed that I have limited call sign identification to one time per person. I like to turn in clean copy and if Im to make a mistake it will be in those call signs. They are strictly one finger efforts. Next meeting August eleventh...same time .. same place. Be there or be SQUARE!!  
Jack Day, NN5Z

Phone:1855, 3860, 7260, 14260, 21360, 28360 KHz.  
Novice/Tech CW: 3715, 7115, 21115 KHz.

Awards: Certificates will be awarded to top scorers of each state, province, DX country, and OK county. Top scorers among Novices/Tech entrants will also receive certificates. Participation recognition will be given to all entrants with more than 50 points.

Entry: Send log and a summary sheet showing scoring before Jan 1, 1989 to:

Oklahoma QSO Party  
PO Box 73  
Norman, Oklahoma 73070

Attention OK Amateurs:

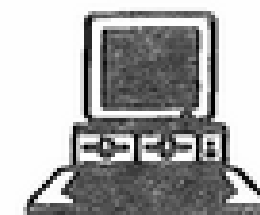
We hope all of you will get behind this first effort and make the OK QSO party a success. To do that we must have people in counties across the state willing to get on the air and work the QSO party.

If you have questions or comments, call:  
Joe Lynch, K6CL (405)5286625  
Davis Egle, KD5IT (405)3217570

We need your participation.

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OK CITY 5600 N. MAY #125 848-4863  
Ed WA5YDF

## GREAT PLAINS A.R.C.

WSHGK Repeater 146.13/73

### CHANGE IN DATES

The month of August looks to be a very busy time for ham fests in this area with Ham Holiday and the Golden Spread affairs taking place the first two weekends. Consequently our club meeting, which normally takes place on the first Sunday of the month has been cancelled for the 7th and will be rescheduled. Please check the Northwest Oklahoma Service Net for the rescheduled August meeting date.

### ANNIVERSARY CELEBRATION

The club meeting for July was also moved from the first Sunday and took place instead on the 10th. As we mentioned last month this date also happened to be the 50th Anniversary of the amateur licensing of WSHGH. A very nice group of amateurs and friends were present at the Woodward Public Works Building to help Lee and his family celebrate the occasion. All kinds of goodies were available as well including a huge cake, several different kinds of homemade ice cream and watermelons. We all enjoyed looking at some of the items on display from Lee's "First" fifty years as an amateur. He claims that this celebration was only mild in comparison to what will take place when we celebrate his second fifty years. We have heard that Lee was licensed when he was three years old. Is there any truth in that rumor Lee? At any rate, you have our congratulations.

### NORTHWEST OKLAHOMA SERVICE NET

Andy, N5LRR, lists the following net activity for the month of June: 14 sessions with 115 check-ins and one piece of routine traffic being handled. Keep up the good work gang.

### NORTH TO ALASKA

Larry Dunn, N5LSC, and family from Arnett are in the process of moving to Teller, Alaska. This small community of approximately 250 is located 72 miles north of Nome. The school enrollment in grades K-12 is around 50 students with by far the majority made up of Eskimo children. Larry will be the Principal there, as he was in Arnett, and will probably teach one or two classes. Larry learned of this opportunity

## VOLUNTEER EXAMINER PROGRAM

V.E. TEST SESSIONS ARE HELD THE 3RD MONDAY OF EACH MONTH AT 6:00 AT THE OKLAHOMA CITY RED CROSS AT 10TH AND HUDSON.

THESE SESSIONS ARE CONDUCTED UNDER THE W5YI PROGRAM AND ARE SPONSORED BY C.O.R.A. AT THE JULY SESSION WE HAD A TOTAL OF 14 APPLICANTS WITH 6 UPGRADES AND 1 CERTIFICATE. 1 FROM NO LICENSE TO NOVICE. 2 FROM NOVICE TO TECH. 3 FROM GENERAL TO ADVANCED. AND 1 20 WPM CODE CERTIFICATE.

TEST SESSIONS ARE FOR ALL LICENSE GRADES; FROM NOVICE TO THE EXTRA CLASS. WALKINS 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)

while attending school in Alaska earlier this summer and says he is really sorry to leave the Arnett area but that the opportunity was just too good to pass up. His address is, Larry Dunn, N5LSC, General Delivery, Teller, Alaska 99778. We hope the Duns enjoy their new home and wish them success. Drop us a note from time to time, or better yet, let's try for a QSO.

### SUPER DONATION

The GPARC is now the owner of a very slick HT-37 Hallicrafter's transmitter. Larry Dunn made the nice donation in hopes that it could be loaned out by the club and put to good use by a new novice or hopefully novices. Thanks Larry, we appreciate it.

### NUFF SAID

Well friends and neighbors that's it for another month. Don't forget about the August club meeting being changed and lots of luck in finding the ultimate cool spot. For now,

IF YOU DO NOT HAVE A FORM 610, ONE WILL BE PROVIDED. A \$4.55 FEE WILL BE CHARGED EXCEPT FOR NOVICE TESTS. IF POSSIBLE PLEASE BRING THE CORRECT CHANGE. THIS FEE COVERS AS MANY ELEMENTS AS YOU SUCCESSFULLY CONTINUE TO PASS (YOU LOSE NOTHING BY AIMING FOR THE HIGHEST LICENSE AND IT WILL GIVE YOU THE OPPORTUNITY TO SEE WHAT YOU MAY BE IN FOR AT FUTURE TEST SESSIONS).

HOPE TO SEE YOU AT THE NEXT TEST SESSION.



73 DE JERRY--WR5G

### FOR SALE

Satellite Antenna System, includes-KLM-14C 2 meter 14 element beam, circular polarization, 11 dB gain, 13 feet KLM-40CX, 440 band 40 element beam, circular polarization, 15.2 dB gain, 14.5 feet long. Kenpro 5400A rotator, Azimuth and Elevation type. All above used less than one year. No reasonable offer refused! Call Shawn 405-762-9593 (evenings).

A locksmith saw a bunch of kids park near his shop and dump trash from their car onto his property. As soon as they were out of sight, the locksmith picked the lock on their car door, put the garbage back inside and relocked the car.

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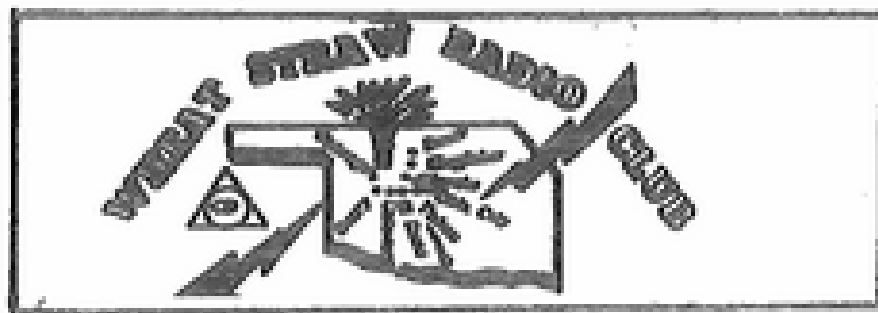
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ELECTRONICS

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## QSL CARDS !



We're still around! Things have kind of slowed down during the summer months with our club. We went to the zoo last month, but had slim attendance. Those of us that went though had a good time. Enjoyed our picnic lunch in the parking lot, then went back in for more zoo. The dolphin show was very exciting. I sat on the front row with Karey and Kriss and still managed to keep pretty dry. The weather was beautiful that morning, but had to warm up before the day was over. Sorry more members couldn't be present. It's hard to make too many decisions that effect everyone when there's only a few members present.

Our next meeting was "field Day" on the hill. We had a good turn out of people. Everyones seemed to have a good time, whether running radios, fellowship, eating, or just taking it easy. Everyone pitched in to help get things set up. We had tents set up for shade which was real nice. "Cook Ed" made the hamburgers Saturday evening, all the women brought delicious side dishes and deserts.

Kris added up that he ran the 2-meter radio for a total of eight hours. He really did get into this with a total of 37 contacts which really had him excited.

Sorry that we missed this months meeting in Watonga at "Father Joe's". I undersdtand Father Joe did an excellent job on his presentation.

Karey, N5LQZ, passed the 20 word code a month or so ago. Congratulations Karey! It would be' nice to have that under your belt at 11 years of age.

I sent in the news for last month, but it was never published. (Ed: I received it two days after mailing the July

I sent in the news for last month, but it was never published. (Ed: I received it two days after mailing the July issue.) I don't know if Joe didn't receive it or what happened. Leroy said that he remembered putting it in the Post Office.



The first order of events is the new roster of officers. The President is Vernon Treiber Jr., NSANV; V.P. is Truman Steiner, WBSMRE; Sec. is Debbie White, NSLPF; & Tres. is Steve Huston, KBSDOR.

Several noteworthy items were acted on at the 19 June meeting. Field day preparations were discussed. Steve Huston is coordinating the efforts for this event. It is to be a joint effort with the Kay County ARC. Things really looked promising for this important event. Good Work, DOR.

The plans for HAM support for the Ponca City Grand Prix were discussed. Mike Morriss, NSJJR, is the contact person for this event. This is also a joint effort with the Kay County ARC.

The membership has been seeking ways to spark up the meetings for some time. An astronomy demonstration/field trip with possible cook out was discused for one of the summer meetings. Voyle Graham, the astronomy teacher at Ponca High has tentatively agreed to give the program. Truman Steiner is communicating with Voyle about this. Glenn Bishop, WNSJ, offered to give a Packet demo at another meeting.

We discussed the idea of having a HAM booth at the Kay County Free Fair this September. This would probably be a one night event.

A Ham and electronics in general Swap Fest is scheduled for Sept. 24th. It will be at the Airport Service Co. Hangar at the Ponca City Muni. Airport. Ham Dealer(s) are

Our next meeting will be the second Sunday at Canton Lake under the shelter. We always enjoy visitors, so bring a friend along.

Hope everyone is having a nice summer.

Jan, N5JUT

tentatively scheduled to attend as is an Avionics Dealer from Augusta, KS. He will be demonstrating such items as airborne LORAN and STORM SCOPE WX detection systems along with other avionics. Should be interesting. Work towards an EXAM session is in progress, but nothing is definite at this time.

The club is also working towards conducting a Novice and possible Tech. class this fall. Several items pertaining to this were discussed.

A long time active member was lost due to job change/move. Bismark Wichy, WDOHCO moved to Tulsa. We all wish him well there.

Thatsenuffornow.

73s,

Mike Morriss

NSJJR

## LAST CHANCE To Pre-register

Dear Joe:

Here is a copy of the Amateur Radio Operators Identification application form that can be obtained from the Department of Public Safety and used to obtain a wallet size ID card for hams, Tech Class or better. .... If one wants to call the DPS, be sure to ask for the Communications Division, as I called seeking a copy of the application and was transferred around about 5 times before I finally was directed to the proper department.


The Ham ID was provided by Oklahoma Statute and the purpose of the law is to: "Provide a special ID for individuals who hold a valid Technician class or better license issued by the FCC, to operate an amateur radio station in Oklahoma, to encourage such persons to assist in providing and maintaining a means of communications in emergency areas, national and local."

73

Reo, NM5U

# HAM HOLIDAY

August 5, 6 & 7

SUN	MON	TUE	WED	THU	FRI	SAT																																																																																																	
	1	2	3	4 AERONAUTICAL <small>1st Quarter</small>	5 HAM HOLIDAY	6																																																																																																	
7 GREAT PLAINS H H	8 EDMOND CLUB	9 O'DAR OU ARES 76'ERS CIMARRON	10	11 OKC/PM ALTUS AREA	12 <small>New Moon</small>	13 SCARS																																																																																																	
14 WHEATSTRAW	15 VE EXAMS RED CROSS 10 & HUDSON 6:00PM	16 AUTOPATCH	17	18	19 EARS WATERMELON  FEAST <small>1st Quarter</small>	20																																																																																																	
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