

HAM HOLIDAY XVI HAS BEEN SET FOR NEXT YEAR THE LAST FULL WEEKEND IN JULY 28-29-30

## CIMARRON

I reported last month, that the Baptist Disaster Relief Van had aborted its run into Texas that was to feed homeless victims of hurricane Gilbert. On September 22nd, we were alerted again and this time made a run into Mexico, where the main force of the disaster occurred. In Santa Caterina we fed 43,000 meals to people in seven different shelters...but what is of interest in this column is a report on the communications with our Ok. City base, carried on by four Ham radio operators who are permanent volunteer members of the crew.

KF5DA, Darrel Reed, Lawton, N5ABE, Orville Whitney, OC, K3HKW, Montie Adams, Stillwater, and NN5Z, Jack Day, a CARA member, made the trip and kept four schedules a day with operators in the OC area. The last schedule was through the Hurricane Net.

This was the second trip to Mexico for the van and these operators. They were in Mexico City, after the earthquake and operated under the station call XE2CRT, a courtesy granted by a Nuevo Laredo Amateur Club. This time, we operated under the call sign XE1NBM...the call sign of an American living in Mexico. The strangest sked was, in part, kept with the aid of a New Zealand station who was reading both parties Q5.

CARA's October meeting was a rather chilly bash held at the Big Bend Area of Canton Lake. The intent was to welcome the host of Novices harvested from the last school held by Leo, W5FH. Not too many of the class made an appearance but the members of CARA, loyal to the last, found their way to the feeding ground and enjoyed a feast. N5FMH, Nadine Painton operated the Burger Burner, and OM Dennis Painton, WK5V, guided all the poor lost souls (of which I was one) to the rather remote area! Thank Heavens for 2 meter radio!

Those attending were; Ruth Simpson, WX5Y, Ann Peil, Vern Brewer, KA5SZD, and XYL Fran Brewer, Sue Barnes and OM Ray, AB5Z, Olive Adams, N5IXN, Nadine Painton, N5FMH, Dennis Painton, WK5V, Terry McColl, N5MLT, Karen Schoonmaker, and OM Steve,



## ALTUS AREA AMATEUR RADIO ASSOCIATION

The Altus Area Amateur Radio Association met at the North Main Fire Station at 7:30 pm on 13 Oct 1988. Meeting was called to order by Loren Simms WA5CBF. A financial report was given. We have \$272.44 in the club treasury.

We had 13 members and guests attend. Those attending were WA5CBF, N5IIV, KA5YWY, W5ZDI, W5VXU, KG6LE, W5CCV, WD5BBN, KA5HUX, AA5BR, K9PNT, WB5URH and KB5LS. A special welcome to KG6LE, Don and AA5BR Bryan.

A report was read concerning the Texoma Hamarama 88 scheduled for 28-29 Oct 1988.

Special congratulations go out to our two new Extras. Both Frank, KA5HUX and Joe, W5CCV attended the Wichita Falls Ham Fest on 10 Sept 88 and came back with a little something "EXTRA". Bob Barkley (no call sign yet) also attended and passed to Technician Class.

Mike, W5VXU reported on MARS activities for Altus. He put in a plug to sign up. He said we now have 6 Air Force MARS members here in Altus. Bryan, AA5BR is the new Assistant MARS Director.

Dwight, WB5URH reported on two new Broadcast Band stations to soon appear in our corner of the state. One is Class C, the other Class A. Both FM.

KF5SW, Alvin Adams, W5KQU, Wilma Martin and OM Ernest, N5KFQ, Leo Peil, WZ5H, David Rumsey and XYL Nina, Shirley Haigler and OM Bob, N5KNK, Betty Day KA5RIW, and Yrs truly, Jack Day, NN5Z.

Other club events are planned but, as yet, has not been firmed up, for Thanksgiving and Christmas. Stand by for further communications, and don't forget, the next meeting of CARA is November 10th, at the Play House, courtesy of Ruth Simpson, our favorite EXTRA classy lady. BE THERE OR BE SQUARE!!!! 73's...NN5Z

Frank, KA5HUX reported he has a Bulletin Board in operation at his QTH thru WB5URH digipeater, 145.01 MHz. He said he has worked a path to Denver on it.

Next followed a discussion between Frank, KA5HUX and Tim, N5IIV concerning digipeater operation - "Thought they were speaking a foreign language for a while there."

Mike, W5VXU said the DPS (Department of Public Safety) needs a copy of your Ham License when applying for an Oklahoma ID.

The meeting broke up about 9:30 pm. The next meeting of AAARA is scheduled for 10 Nov 88 at 7:30 pm. North Main Fire Station. A very important meeting as we have nomination of officers for club offices. December meeting is election time.

Altus Area is going to have a VE Team soon. It is in the process of being organized. Hope to have testing quarterly.

TNX es CUL  
73 Loren WA5CBF

I start putting the C&E together on Monday before the final paste up night the following Friday. I make up the calendar on Monday. Usually I make up the Front page, Page three and whatever else I receive by Tuesday afternoon -SO- I would appreciate it if you would "sit down" and write your contribution as soon as the club meeting is over, while everything is fresh on your mind. Send it in then. If you don't have a typewriter or printer for your computer, just write it on a piece of paper and send it along. I will type set it and probably put you on the front page. Mail it by Friday and I will get it by Tuesday.

Wednesday morning I take it to the printer to get that much done and then he picks up the balance of the copy on Friday night about 8:00 pm and prints the rest of the C&E on Saturday morning.

### 1 AERONAUTICAL CENTER ARC

MEETS: FIRST THURSDAY, FLIGHT STANDARDS BUILDING, FAA, SOUTH MACARTHUR 7:30 PM

PR JACK IMAN, WBSVM WORK ARA-4603  
VP HOME 677-8537  
S/T BOB PACE, WASCJG WORK 686-2788

EDITOR: BOB PACE, WASCJG 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 BUSWELL, KSJB 732-0676  
TR ELLARD FOSTER, WSKE 789-6702  
EDITOR: JOE BUSWELL, KSJB 732-0676

### 18 GREAT PLAINS ARC

MEETS: 2:15 PM FIRST SUNDAY  
WOODWARD PUBLIC WORKS BLDG.

PR WINDLE HATCHETT, WAPLM(FT SUPPLY) 766-3561  
VP BOB BAYLESS, WBOGAI NONE  
SE ROD FORD, WBSOVT(SAGE) 923-7683  
TR FREIDA PATTERSON, WSEOX(WOND) 256-2111  
EDITOR: LOIS FORD, NSJGQ(SAGE) 923-7683

### 4 OK CITY AUTOPATCH

MEETS: 7:30PM, THIRD TUESDAY

SALVATION ARMY, NW 50 & PENN

PR ROBERT SHAW, WBSBQX 341-4763  
VP DENNIS PATTERSON, WDSOSM 495-0769  
SE LEONARD HANSTEIN, WSMEL 789-7201  
TR LARRY DAVIS, KFSJH 722-4564  
EDITOR: CHUCK WILHITE, KSNK 721-4926

### 5 OKLA UNIVERSITY ARC

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

119 WILSON CENTER, 1334 S JENKINS

PR FRANK DONALDSON, NSIQJ 329-4172  
VP JOHN MUSTENBERG, KESM 325-2382  
S/T JIM GREENSHIELDS, WDSHPU 321-9981

### 6 ALTUS ASSOCIATION

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

PR JAMES MOLLEDALE, K8SL5 482-5308  
VP NONE  
S/T LOREN SIMMS, WASCBF 477-0921  
EDITOR: LOREN SIMMS, WASCBF 477-0921

### 7 BICENTENNIAL (76er) ARC

MEETS: 7:30PM, SECOND TUESDAY, THE BRICKS RESTAURANT, NW 31 & PORTLAND

PR DENNIS MUSSEY, KAS6TH 524-4760  
VP DICK BAKER, WBSMHW 745-3877  
S/T JERRY SPROUL, WSAHU 354-0017  
EDITOR: JERRY SPROUL, WSAHU 354-0017

### 9 WHEATSTRAW ARC

MEETS: 2:30PM SECOND SUNDAY, LOCATION VARIES. SEE CLUB SECTION FOR DETAILS.

PR NEAL WSKCO  
VP PERRY JONES, WSM6Z 772-6063  
S/T JOE GARLAND, WAFSLT (CALUNET) 893-2660  
EDITOR: JAN KUEHN, NSJUT (OKARCHE) 263-4480

### 19 OKLA INDEPENDENT ARC

MEETS: 7:00PM SECOND TUESDAY

SOUTHWESTERN BELL OFFICES, PONCA CITY

PR VERNON TREIBER, Jr. W5ANV 767-6260  
VP TRUMAN STEINER, WBSMRE  
SE DEBBIE WHITE, WSLPF 765-5707  
TR STEVE HUSTON, K8SDOR 762-4726  
EDITOR: MIKE MORRIS, NSJJR 765-6260

### 11 EDMOND AR SOCIETY

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

PR PHIL WOLFENBARGER, N5HIP 789-0681  
VP DEE HIZE, WDSFHR 341-6163  
SE GLORIA GUINN, K8S86H 341-3886  
TR EDITH VAUGHN, KASYPX 340-2961  
EDITOR: DEE HIZE, 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, WDSOPR 765-3862  
EDITOR: DAVE LAAND, KDSFX 762-8616

### 14 CIMMARON ARS

MEETS: 7:39 PM SECOND TUESDAY

WXSX PLAYHOUSE, 827 S 13, FAIRVIEW

PR RAY BARNES, AB5Z 274-3334  
VP LEO PEIL, W2SH 886-2998  
SE MADINE PAINTON, W5FMH 764-3599  
TR DENNIS PAINTON, WKSXV 764-3599  
EDITOR: JACK DAY, WNSZ 227-3462

### 15 SOUTH CANADIAN ARS

MEETS: 9:30AM SECOND SATURDAY, RED CROSS BLDG NORTH DU CAMPUS, NORMAN

PR ANDI WOLFE, WUSN 799-5150  
VP DAVID MEDDERS, KSPL 360-4292  
SE DORINDA SKAGGS, NSIUA 799-5363  
TR MONTE BATEMAN, WBSRZX 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, WDSBYI 755-4672  
VP SANDY ORCUTT, KASONI 340-0034  
S/W KAY NORTHCUTT, WDSBYJ 755-4672  
EDITOR: MARK NORTHCUTT, WDSBYI 755-4672

### CENTRAL OKLA RADIO AMATEURS

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

PR FRANK TASSONE, KAS6I 341-4945  
VP DORINDA SKAGGS, NSIUA 799-5363  
SE MARSHALL MADDOX, WUSP 360-3205  
TR MARK KLEINE, WSHZR 329-4285

**"I**  
f  
all printers  
were determined  
not to print  
anything till  
they were sure  
it offended  
nobody, there  
would be  
very little printed."

BENJAMIN FRANKLIN



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met on Oct 8 at the Norman Red Cross. The meeting started at 9:35 am. There were about 35 members at the meeting. Monte, WB5RZX, reported a balance of \$941 after paying the phone and C&E bills. The minutes of the September meeting were not read because they couldn't be found.

## Steve, NI8W,

reported on the communications at the O'Connell's Cup Cycling Weekend. The following SCARS members participated in the event.

|                   |        |
|-------------------|--------|
| Ron Eyenga        | N5KUN  |
| Doug Forsyth      | N5MBU  |
| Barney Kahoe      | N5IUB  |
| Mark Kleine       | N5HZR  |
| Ron Knickerbocker | N5HZS  |
| Marshall Maddox   | WU5P   |
| Steve Moore       | N5HJG  |
| Alan Salmon       | N5KBR  |
| Don Schader       | KB5ABS |
| Dorinda Skaggs    | N5IUA  |
| Andi Wolfe        | WU5W   |
| Steve Wolfe       | NI8W   |

Steve sez both the organizers and the participants commented favorably about the SCARS group contributions to the event. Good show!

## The Olympic

festival 89 will be on us before long and steps are being taken to organize the communications volunteers. Mark, N5HZR, passed out forms to register volunteers for the event next summer. If you are interested in helping with the communications see Steve, NI8W, or Mark, N5HZR.

## W2000U

The operation of the SCARS Bicentennial station was discussed and Earl, N5MAF, volunteered to coordinate the effort. Earl asked for those members interested in working the station during the week of Nov 12-18 to get in touch with him. Earl will work with the station trustee, W5OU, to work out the details of the operation.

The list of FCC approved 200 stations got garbled in last months C&E(my fault, Joe) so here's the list ungarbled:

| Call   | Club | Location      |
|--------|------|---------------|
| W200AA | QCWA | Oklahoma City |

|         |           |               |
|---------|-----------|---------------|
| KV200X  | EARS      | Oklahoma City |
| W200CUQ | Pittsburg | McAlester     |
|         | County    | ARC           |
| W200EJK | Muskogee  | ARC           |
| W200ANR | Ft Smith  | ARC           |
|         |           | OK            |
| W200HTK | Enid      | ARC           |
|         |           | Enid          |

## The OK QSO

party is scheduled for 1200Z Nov 12 to 1200Z Nov 13. This will be the first ever of this event for the state. A copy of the rules are printed in the this issue of the C&E. The announcement also appears in the November issue of CQ. QST did not print the announcement in spite of the fact that the Contest Corral editor acknowledged receipt and indicated that it would appear in the November issue.

## The NOVICE/TECH

class for this fall began on Monday, October 17, and will run for eight consecutive weeks. Twenty-two new faces showed up for the first meeting and a few more are expected at the next meeting. There are several youngsters in the class. The classes are being held every Monday night at the Norman Red Cross, 1512 Halley Drive, on OU's North Campus. Code upgrade practice sessions will also be held at the same time but in a separate group. Drop around on Monday nights and meet the interested folks.

## No coffee or

donuts at the Red Cross on Saturday October 15. The Red Cross director requested that SACRS members NOT use the facilities on October 15 because an inspection team will be visiting the RC on that morning. The group agreed to meet at the donut shop on Flood for this one day.

## Marshall, WU5P,

announced that CORA elected Frank Tassone, AA5GI, president; Dorinda Skaggs, N5IUA, vice-president; Mark Kleine, N5HZR, treasurer; and hisself secretary.

Andi reported that Hal Dietz, WB9VNY, had tubes needed for the repeater amplifier.

## KD5IT was

appointed chairman of the nominating committee for the SCARS officers for next year.

If you are interested in helping, get in touch with Davis at 321-7570.

## Andi asked for

suggestions on the format of the Christmas party. Everyone seemed to like the pot-luck format used for the last two years. Andi volunteered to organize the party again this year but she needs lots of help. Get in touch with WU5W and help. The date has not yet been set.

## Jerry, W5MCJ,

announced that SCARS will be the subject of another article in the Japanese CQ amateur radio magazine. Koichi, J1BHH, is writing an article on the repeater and weather net operations. Jerry will get a copy of the article when it is printed.

## Silent Keys-

Leland, W5MCN, announced that Mark Tamaguichi, JAIPEA, the founder of TET Antenna Company has died in Australia. Mark donated the beam, rotor, and power meter now being used by the club. Leland also related that Ron Cooper, aka "Lefty", died of cancer recently. Ron was a novice class licensee.

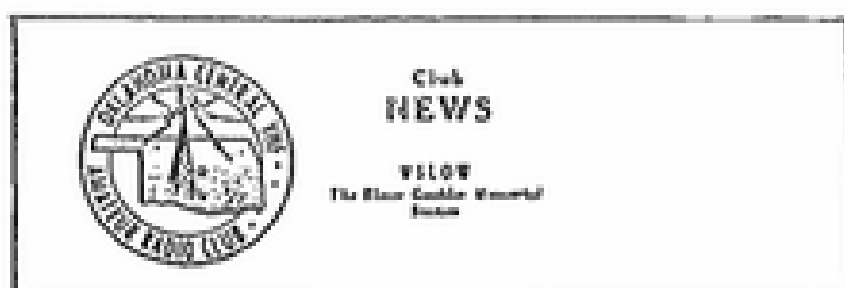
## The next SCARS

meeting will be on Saturday, November 19, at 9:30 am at the Norman Red Cross. The meeting was scheduled one week later than the usual date to avoid a conflict with the OK QSO Party.

-----KD5IT-----

|                    |  |
|--------------------|--|
| KAY KOUNTY         |  |
|                    |  |
| AMATEUR RADIO KLUB |  |

NEXT MEETING- Remember, our next meeting is November 17th. (the third thursday) and it will be in the Vo-Tech building as usual at 7 P.M. Our annual Christmas Party at the Marland Mansion will be a week earlier than usual, on December 8th. Mark you calendars now. Steve (KA5SJK) is cooking up another great program that even spouses will be interested in, stay tuned for more details. That's it for this month- 73 from KD5FX.



### Minutes of October Meeting

Meeting was called to order at Homestead Country Kitchen by President Jim, K5VRL at 12:15 p.m. with 12 members and guests present.

Minutes from last meeting were accepted as published in the C&E. Fred, W5NL, offered to take this meeting's minutes because Secretary Joe, K5JB, was absent. Treasurer Ellard, W5KE, was also absent but we knew the finances were in excellent shape. (Even though W5NL has a severe cash flow problem after buying a new four ton Lennox air conditioner, furnace and hot water tank!)

Charlie, WA5JGU, advised that the new club station license, with him as trustee, has arrived, copies made and ready to post. He will keep the original in his possession. Jerry, KD5IS, has the TR-3 equipment and Joe, K5JB, has the 2M equipment. They will be delivering the equipment to Charlie for installation at the state EOC.

Jim, K5VRL, will set up a committee for slate of officers and advise us at next meeting who they are.

Our November meeting will be a Wiener Roast. Saturday, November 19, at 6:00 p.m., we will meet at Will Rogers Park, North Shelter (same place as previously). Bring your own wieners, buns and drinks and the committee will furnish chili and fixins. Of course, non-VHF club members are cordially invited too. Come along!

After Charlie, WA5JGU and Hugh, KA5DGY proclaimed that OSU would take Nebraska, meeting was adjourned at 12:40 p.m. Fred, W5NL, for Sec'y

### Packet Happenings - Others

Two new Oklahoma NET/ROMs were put on the air this month. Doug, N5DUB, and I don't know who else, sneaked into Ponca City and put up PONCA (N5DUB-3). Then, shortly afterward, Bill, WD5HJL; Fred, W2VQS; Mike, N5ANG; Mason, WT5X; Rod, N5KYS; and Herb, W5TQZ; installed the long-awaited Arbuckle (ARB, KG5AA-3) node. For full details read all about it in The Node, the aperiodic newsletter edited by Doug, N5DUB. (You are getting it aren't you?)

(See how well the MON program works, Doug?) Joe, K5JB

### Packet Happenings - Me

I had some fun with a new version of TCP/IP this month. (For a summary of what TCP/IP is, see the squib that follows.) Also for additional information on what TCP/IP is all about you could read the November, 87 C&E. (Or I could provide you with a couple of megabytes of dry-reading specifications on MS-DOS disks.) In subsequent C&E issues there are a few mentions of TCP/IP but in the June 1988 issue, I finally admitted that I felt like the Maytag repairman with nary an IP contact in months. I advised that I had discontinued it and that I would resume operation if there was any demand. There has been no demand so TCP/IP has been dormant until this month.

David, NV00, in Pleasant Hope, MO, and I had been chatting one night and he told me about his TCP/IP and NET/ROM experience. He also advised that several in his area were on IP and that he needed the utilities that would permit file sharing between his TCP/IP host and the WA7MBL bulletin board he was running. I sent him what I had and, in return, he sent me a copy of the TCP/IP main program, NET.EXE, that supports NET/ROM. NET.EXE runs on MS-DOS computers.

I had previously been keeping up with the various versions of NET.EXE until version 21 but sort of lost interest since it takes at least two to IP. Though I could set up two IP stations, I really didn't get any jollies talking to myself.

Dave sent me two versions of NET.-EXE, 16 and 30. The former had NET/ROM support, and the latter didn't, but was supposedly a later version. The later version didn't support NET/ROM or the mailbox. (Notice the peculiar numbering; source code is available and someone else was adding the mailbox and NET/ROM stuff while Phil was plowing along with another version lacking those two features. I don't think he approves of those non-Unix type of things.) I gave it a try but couldn't get it to do anything but broadcast node tables to the local NET/ROMs. That is really an obnoxious thing to do so I shut it off after an evening of experimentation.

Shortly afterwards, Dave, WB5FWE, left me a message with a dozen questions about how to set his computer and PK-232 up for TCP/IP. His questions came at a good time. I copied some files, got with him the next day to give him the programs. Later that evening, after a considerable amount of time on the phone, got it going for him.

Unfortunately, we still couldn't get it to work on NET/ROM but I sure did like the cute mailbox included for the non TCP/IP folks to access with regular AX.25 TNCs. This partially cured one of the main handicaps that prevented acceptance in the regular packet population. I say partially cured because the mail box was "write only", meaning, you could leave messages but you couldn't get any delivered to you unless you were running TCP/IP. More on the mailbox later.

Once Dave got started, he wasn't satisfied with our futile attempts to get the TCP/IP to talk to NET/ROM. He dialed one of the ham radio telephone bulletin boards and got enough information for us to piece together all the commands for the script files that would get NET.EXE to start using NET/ROM. In fact, he got the latest version of NET.EXE, 33 Alpha W9NK, which included the NET/ROM support and the mailbox.

Let me tell you about the mailbox. If you connect with one of the IP stations (K5JB-10 or WB5FWE-10 at the moment) it will respond with a big fat nothing. If you send a carriage return, it will send you a prompt something like:

Welcome to k5jb TCP/IP Mailbox  
S)end, C)hat, or B)ye

At that prompt, you can send a message with something like:

s joe@k5jb

Meaning, send a message to Joe at K5JB (the host name). It will then ask for a Subject and you can type anything you want. After you send that line it will prompt to enter text, ending with a Control-Z of an /ex on a line by itself. (It isn't smart enough to find a Ctrl-Z in the middle of a line; I tried it and it just embedded it in the text.)

(A WA7MBL type mailbox would be able to forward traffic to a TCP/IP station if it weren't for the requirement that the mailbox be triggered by a carriage return. If I get sufficiently inspired to convert the code to Turbo C, I'll fix that.)

After you post the message, an internal timer will "kick" the message to the recipient using SMTP. If you post it to joe (or anybody) at k5jb, it will appear at my station with the message "New mail arrived for joe (or whoever)". If you posted it for someone at Dave's station (@wb5fwe) it would send it to Dave's station and put it in the mail file. There is a system of gateways that will forward mail left at my station but not addressed to me, to someone

I like Dave, who has an MBL BBS. For the present, if the addressee is unknown, my SMTP gateway is myself so I can handle mis-addressed mail. That's the mail. (Note that the lower case things in this blurb are not careless editing. NET.EXE is quite unforgiving of something entered in wrong case, and it usually expects lower case, Grr!)

Even after getting it to use the NET/ROM network to forward IP-grams, we were disappointed with the way it handled NET/ROM. It wouldn't react to a connect to it from someone on the NET/ROM network. If someone issued a connect to its nodename, the neighbor NET/ROM would get an AX.25 connect but the IP host wouldn't respond to the NET/ROM layer 3 connect request, other than ACK it. However, it would use the NET/ROM to connect two IP stations, but it appeared that the protocol was really clumsy. There was way too many retrys. Right in the middle of things, it would issue a connect request when things appeared to be otherwise working. In order to get it to work in all modes and not just go crazy, we had to use the virtual circuit mode which just isn't natural in Phil Karn's code. It shared some of NET/ROM's spastic characteristics of sending out dual information packets with no intervening hesitation. It would send a SABM (connect request) when things looked like they were otherwise going along normally. In a nutshell, it was kind of lousy. We fell back to the datagram mode, which Phil, KA9Q, believes everyone should be running anyway (unconnected UI frames) and we abandoned, for the moment, the NET/ROM network.

Both Dave and I ran into memory problems trying to run all our favorites simultaneously. He runs a WA7MBL bulletin board and it is capable of exchanging files with the TCP/IP side of things but he had to do some shaving to get everything to run at all, much less properly. His final solution was to order a second computer!

I like running a civilizing monitor program and was using DoubleDOS to permit examination of files saved by MON. With NET running in the second partition, I had to stop it to see what was going on and I hated to do that. So, I rewrote the MON program into a terminate and stay resident (TSR) called MONR. I can interrupt it and use an editor to make and examine files created by both programs. I am not short of memory yet so the Gucci should do me for a while. If you saw some of this stuff going on, you may have seen Toshi and Gucci. They are the two computers I had going to prove the

files necessary to get all this stuff working correctly. I since retired Toshi, and Gucci is simply known as k5jb (note lower case, that Unixism again).

While we are waiting for the new equipment to arrive at Dave's, we are operating in a somewhat degraded mode but you should be able to connect to either of us in the AX.25 mode by connecting to the AX.25 calls K5JB-10 or WB5FWE-10. Note that if you ask for a chat and neither of us are at the keyboard, your messages will go in the bit-bucket. If there is any interest in trying out TCP/IP, let me know and we can arrange a meeting to run through more of the details on what it does and what it might be good for, though at the moment, I kind of classify it as a computer hacker/-packetero's curiosity. Joe, K5JB

#### TCP/IP Summary

TCP/IP stands for Transmission Control Protocol and Internet Protocol. It is part of a suite of protocols used in the ARPA network of computers that permits unlike computers to send mail and share files between each other. Phil Karn, KA9Q, a Bellcore employee programmed most of the stuff that runs on the MS-DOS computers, as well as Amiga, Apple, and other things that have C compilers available. He is a Unix person and the main program, NET.EXE, is decidedly Unixish, meaning, it has a terse command line operation with obscure commands like "ls" (list the disk files), "pwd" (print working directory path), and so forth. His main program incorporates some of the TCP/IP protocols like "FTP" (file transfer protocol) for sending and receiving files, "SMTP" (simple mail transfer protocol) for sending and receiving mail files, and "TELNET" for keyboard chatting.

(A second program, BM.EXE is Bdale's Mailer, written by Bdale Garbee, N3EUA, and required to create the mail files used by SMTP, the mailer in NET. There are also four supporting files that configure all the things these two programs do.)

NET.EXE is clearly not intended for the mainstream packetero who likes to just chat or see if he can ping a digipeater in Houston. It simply lacks the human operator touch and requires a fair amount of networking knowledge in general, and a computer's operating system in particular. To make a simple AX.25 connection, say to connect to Dave, you use the command:

c ax0 wb5fwe

If you want to see the packet activity on frequency (read the mail), you use the command:

trace ax0 111

and:

trace ax0 0

to turn it off.

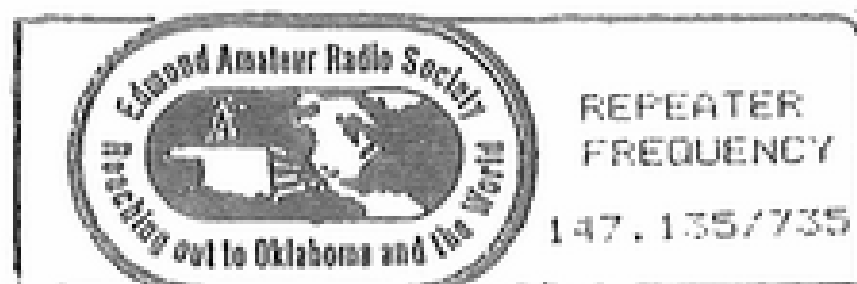
It is designed primarily for unattended operation. It does a fine job of handling mail between IP users but is kind of poor in the conversational mode. If someone initiates a telnet session, the receiving computer beeps and displays "Incoming Telnet Session", but you have to take action and hit a return key to get it to print incoming traffic on the screen. If you don't, and the other human goes away, you never see the message that was left. If you are typing a line of text and some information comes in of SMTP decides to send you something, it simply butts in and squirts the text in the middle of what you are typing; definitely unfriendly.

I should mention that you just can't "pop up" on TCP/IP. Unless you get an address assignment and get it placed in tables used by others on IP in the area, it just won't work. My IP address, for example, is 44.78.0.2. Getting an IP address is simple though. If you want to try TCP/IP just call me and I can fix you up. I am acting as agent for Bob, KA5MIZ, who is our coordinator in the area, but is unable to TCP because of lack of a TNC that will do KISS (a requirement).

Also, TCP/IP is not too useful unless you plan on leaving the computer (host) on all the time. When someone on IP tries to deliver you a message (SMTP) and finds you aren't there his program really pouts. It won't try again until you do some file twiddling and tell it to try again. (Like I said, it is kind of unfriendly).

Unfortunately, no one has written a version of the net program for the PK-64. If someone did that, it would be fun because a lot more people could get involved. There are a lot more PK-64s than MS-Dos computers! It doesn't appear to me that such a project would be difficult but maybe there aren't the programming tools available to easily do the job. Joe, K5JB

For Sale: Garland Jennings, NQ5Y, has an Icom u2-AT 2M handie talkie with ni-cd and alkaline battery packs. Wants \$200 Call him at (405) 682-5970 or drop him a line at 3801 S.W. 40th St, OKC, OK 73119.



Looks like things are going well with the EARS group. We have just finished the Fund Raiser for the scholarship fund. If you missed this event you missed the high-lights of the year. There was a lot of Western Dancing by all and believe it or not some of the members actually learned to do the Western dances. No final tally as to how much the proceeds were but judging from the attendance I think we did well. Thanks to all who helped make this a success.

Want to say thank you to all who helped out during the Crop Walk, Classen Classic and Myriad Runs. Everyone did a great job.

The November business meeting has been set tentatively to be at St. John The Baptist church in Edmond. Do listen to the repeater for further information about the meeting.

Everyone needs to be thinking about the upcoming months as to activities we will be having. Christmas and Thanksgiving are around the corner so be alert to the repeater as to what the club will be having in the way of events.

One of the events in the making is the Christmas Dinner. Details are in the making for this event. More information will be available later about this.

Don't forget about the First-Ever Oklahoma QSO Party, which will run from 1200Z Nov 12 to 1200Z Nov 13. This inaugural Oklahoma QSO Party is cosponsored by the Edmond ARS and the South Canadian ARS. Be alert and try to contact KV200X for the one of a kind QSL cards.

Want to report that the Novice Class is coming along well and the students are picking up on Ham Radio very quickly. So soon we will have some new voices on the air. Keep up the good class and hope you pass that test soon.

Keep your ears tuned to the repeater. An announcement will be made about the Hamp Out which will be on Oct 29-30 at Lake Texoma.

73 Dee, WD5FHR

## 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(48), Canadian areas(13), 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.

Suggested Frequencies: +/-5 KHz

CW: 1810, 3535, 7035, 14035, 21035, 28035 KHz.

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

If you have questions or comments, call:

Joe Lynch, N6CL (405)5286625  
Davis Egle, KD5IT (405)3217570

## GREAT PLAINS A.R.C.

NWOSN

Net Manager Andy Taylor reports the following for the month of September. 13 sessions with 96 check-ins and 2 pieces of routine traffic being handled. The above information figures to be just a little above seven check-ins per session. We've done better but we've also done a lot worse in years past. The traffic count for the year is considerably higher-although two pieces handled last month might make you wonder. Check in if you haven't been and if you have any ideas for making the NWOSN work even better please let us know. I'm sure Andy would appreciate it!

### PACKET RETURNS

Bill Wyatt recently moved the Woodward Digipeater out to the Woodward Airport site and mounted the antenna on the old watertower. The unit seems to be working quite well and we can easily access the Cedar Springs system. The alias of "WRD" is used to get into Woodward and surrounding communities. Getting the Woodward digi back on will provide the school station at Mooreland with one more facet of amateur radio and may give some of the students with computer interest the necessary incentive to step into ham radio. We have found that a lot of things have changed in the "Wonderful World of Packet" since we were last active. K5LGW of Clinton sent us a nice parcel of information regarding many of the recent changes and included several issues of "The Node". This is an excellent publication dealing with packet radio. We were highly impressed and would suggest that anyone interested in packet take necessary steps to receive this publication. Our thanks to Bill for all his efforts involving the digipeater.

### REPEATER UPDATE

President reported at the October meeting of the GPARC that both the 13/73 and 71/12 repeaters had been repaired and were operational. We have noticed that both machines are working very well and providing excellent coverage. Windle is to be thanked for keeping us in the repeater business. Lois, N5JGQ



## Q. R. Zedd

### GREATEST EXPLOITS, PART 134

Some of the boys and girls were sitting around the Red Cross one recent Saturday morning, eating donuts and listening to W5MCJ talk in CW, when the front door whanged open and in walked the great man himself, dean of the world's DXers, worker of all stations on all bands, inventor, genius, raconteur, inventor of radar and the plastic milk carton, all-American in five sports, only holder of a 1x1 callsign, and premiere foosball champion of the western world, himself, A5A, Q. R. Zedd.

WU5W fainted. N5ALG wept. W5MCN lowered his voice.

"As you were," said Zedd, reducing the gain on his velcro chest-mounted transceiver and clomping over to help himself to a cup of coffee and seven donuts. "Don't mind me. I'll just sit here in the corner like I do sometimes when I attend meetings in disguise. Being a master of disguise, of course I always fool you, but today I got a headache from working all Europe last night on 75, and I'm low on plastic facial alteration goop."

Naturally, all conversation ceased and no one was able to go on as if A5A were not in the room.

After a while it got *real* quiet.

"Mr. Zedd," someone said, "please tell us one of your exploits."

"Well," quoth the great man, "I hardly know where to begin, there have been so many."

On the floor, WU5W sort of moaned and burbled, beginning to revive.

"That reminds me of one right there," Zedd said, brightening. And he told us this story:

"Back quite a few years ago, when I was just a little, bittie boy, I went with my momma, whom all of you know by her given name of Momma, to a small republic in South America where there hadn't been any radio activity for a very long time.

"Reason there hadn't been any radio activity, the country is real small and it's all vertical. Nothing is on the flat. Planes have got to dive straight down to land at the only airfield. It's hard for the pilots to get the bigger jets braked beofore the end of the runway after a vertical approach; even to this day there ain't no regular service. Also, it's confusing when you try to figure out the radiation pattern of an antenna when you mount it at a ninety degree

angle to the earth's surface, and that makes it radiate straight into space and into the earth's core.

"There is also the matter of the crocodiles.

"Anyway.

"We got the homebuilt plane in there all right, and after a welcoming parade by the dictator in power -- and a delay the next day for another welcoming parade by the new dictator that took power during the night -- we went off into the jungle.

"Boys and girls, that jungle was so dense we would have never got through it to our camp site if we hadn't harnessed some of the smaller local mosquitoes and used 'em to drag our equipment. And hot? It was so hot -- maybe I shouldn't tell you how hot it was, there being ladies present."

"Tell us! Tell us!" everyone chorused.

"Okay. It was so hot, some of the solder joints melted in the rig. It was so hot, boiling water felt cool. It was so hot, we didn't even have to heat the filaments in the tubes, we just set the rig out in the direct sun and used enough power to amplify and modulate.

"Well, boys and girls, we got on the air just fine, and with Momma doing CW and me on phone, we were going along just real splendid when the big crocodile showed up."

"Crocodile?" someone in the clubhouse screamed. "You got attacked by a crocodile?"

"Restrain yourself, son," Zedd advised calmly. "-- Yes, sir, that is exactly correct. This crocodile came slithering and slomping up out of the steaming mudhole nearby, and I should have heard him. I mean, he had an alarm clock or something ticking in his belly. I've never heard anything like it since that day. But I was busy and so was Momma, and the next thing I know, there is this horrendous *ROAR* and sort of a sharp pain in my foot, which traveled fast up my leg and over my entire body, and a real big *glomping* sound -- and the lights go out sort of instantaneously."

"Oh no!" everyone moaned in horror.

Zedd nodded solemnly. "I had been swallowed. Entire."

The room was so quiet you could hear a pin drop. I think it was WB5RZX who dropped it.

"What," someone asked Zedd in the hush, "did you do?"

"It was touch and go," the great man told us. "He touched me and swallowed me and then about all I could do at first was waller around down there and feel that he had decided to go.

"He was headed back to the swamp to digest me, I reckon.

"Luckily I had hung onto my mike, and it had a long cord. So I was

still in contact with the outside world. I sent out a quick Mayday on several bands. About the time old Mr. Crocodile slurped back into the deep water, the Peruvian air force did a strike, blasting the pond with six thousand pounds of ice cubes. The ice dropped the temperature so fast, the crocodile went into shock and spit me right out, along with a few fortunate carp and an old army blanket.

"Boys and girls, you may find this hard to believe, but we stayed on after that and worked 86K in three days, and of course a lot of people wanted to hear more about my adventure. The local guide who seen it all wrote it up, and he won not only the Yodar Kritch for his literary excellence in the way he done it, but also the Nobel Prize. His name was Peter Pan.

"Momma, as you know, went on to greater things, and so of course did I. About the only daily reminder you get any more about this weird exploit of mine is when you hear somebody use the warning my momma tried to shout at me just as that swamp beast grabbed my leg. She yelled, as I recall, 'That's a crock!'

"You hear that quite a bit on the bands, especially when somebody starts tuning up on top of the DX station, or when the DX station announces he is going QRT. I have also heard it used when they talk about doing away with the CW requirement.

"Well, boys and girls, that's all the time I have today, and you have probably had all the excitement you can handle anyway for one day, and I see you are also out of donuts."

Zedd rose to his feet and started for the door. Then he turned back with a gallant wave.

"Take care!" he told us. "73! Happy Turkey, and if you see any crocodiles near your hamshack, make sure you got a good tight grip on your microphone. Thank the good lord for hf! If I'd been on packet, with one of them short-cord keyboards, I would be a dead man, and there might still be a digipeater out there in that mudhole somewhere!"

And with that he was gone again.

-- KU5B

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| <p>OCTOBER</p> <p>S M T W T F S</p> <p>1</p> <p>2 3 4 5 6 7 8</p> <p>9 10 11 12 13 14 15</p> <p>16 17 18 19 20 21 22</p> <p>23 24 25 26 27 28 29</p> | <p>DECEMBER</p> <p>S M T W T F S</p> <p>1 2 3</p> <p>4 5 6 7 8 9 10</p> <p>11 12 13 14 15 16 17</p> <p>18 19 20 21 22 23 24</p> <p>25 26 27 28 29 30 31</p> | 1  | 2   | 3<br>AERONAUTICAL  | 4  | 5           |
| 6<br>GREAT PLAINS  | 7   | 8<br>OIDAR<br>OU<br>ARES<br>76'ers<br>CIMARRON | 9   | 10   | <br>Veterans' Day | 12<br>SCARS |
| 13<br>WHEATSTRAW   | 14<br>EDMOND CLUB   | 15<br>AUTOPATCH                                | 16  | 17<br>ALTUS AREA<br>KAY COUNTY   | 18   | 19<br>V H F |
| 20<br>E A R S  | 21<br>VE EXAMS<br>RED CROSS<br>10 & HUDSON<br>6:00 pm   | 22<br>CORA CORA<br>CORA CORA<br>CORA CORA CORA | 23  | 24<br><br>HAVE<br>A HAPPY<br>THANKSGIVING | 25<br>EDIT NIGHT<br>FOR<br>C & E   | 26          |
| 27   | 28  | 29   | 30  | <h1>NOVEMBER</h1> <p>HAM HOLIDAY XVI HAS<br/>BEEN SET FOR NEXT YEAR<br/>THE LAST FULL WEEKEND<br/>IN JULY 28-29-30</p>         |  |             |