

GLASNOST TURNS BORIS WEIRD

Speaking of turkeys, who should appear the other day at Honor Roll Ranch, just a hoot and a holler south of town, but Boris Badenov, ace Soviet DXer and longtime antagonist of our own beloved Q. R. Zedd.

Zedd, A5A, is, as we all know, the world's GREATEST DXer. Pretenders come and pretenders go, but Zedd is immortal. Inventor of radar and the plastic milk carton, the great man has worked all stations on all bands, except for a couple of guys who weren't listening. His DX exploits are world-famous, and together with his nubile blond bride, Tondelayo, he forms the most wonderful romantic couple since Hepburn and Tracy or maybe Kukla and Ollie.

Zedd's problems with Badenov, notorious destroyer of Coors cans and Twinkie wrappers, have come from the fact that the Russian star has sometimes had the audacity to boast that *he* is the greatest. Along with his dark-haired, slinky QSL secretary from Box 88, Natasha Bullwinkle, Badenov has been a constant thorn in Zedd's pinkie.

All that changed, however, when Badenov's Russian jet airliner touched down on Zedd's landing strip at Honor Roll just a few days ago.

"Holy tamales, hon, fetch my six-shooter!" Zedd growled, peeling out of the leather recliner at his No. 1 operating position as the jet's wheels shrilled on the pavement outside. The great man keyed his mike. "QRX, boys and girls, QRX. All China and Shangrila stand by, I said! I got company. QRZ is temporarily QRT."

With that, Zedd hurried across the hamshack area of the ranch house and started rummaging in a cabinet for his bulletproof vest and beerproof snakeskin boots, the ones with his latest DX confirmed totals tatooed on the sides in flashing red diodes.

Tondelayo, cute as Christmas in her yellow polka dot jeans and candycane-colored blouse (the one with no arms or shoulders) rushed back into the room, breathless, Zedd's Colt 1872 Model thumb-buster and shellbelt in hand.

"Oh, Q!" cried the darling girl. Let's try to be nice to him this time!"

"Consarn durned bodacious rathafritch," Zedd muttered, strapping on his shooting iron. "How you gonna be polite to somebody like Boris? Whv, if that Lithuanian

bohunkus is here to say our trip to Africa last month didn't set records, I might not be very polite atall, atall."

"Oh, dear, oh, misery," Tondelayo murmured, following her illustrious idol out of the ranch house and across the vast lawn under the antenna towers toward the airstrip.

Luckily for readers, your intrepid reporter just happened to be on hand for all this, having dropped by to bask in the great one's radiance. We pursued as fast as we could, Big Chief tablet and Crayolas in hand, and reached the scene planeside within moments of Zedd's arrival there.

The door of the mighty Soviet jetliner had already opened, and the passenger jetway lowered. There, standing at the foot of the jetway, resplendent in his Red army uniform with all the medals and his Michael Jordan tennis shoes, stood Boris Badenov himself. And beside him, slinky and sinister and gorgeous and all in her neckless, shoulderless, armless, almost-everythingless black sundress, and her seven-inch spike heels, was Natasha.

"Badenov," Zedd was heard to growl, Tondelayo hovering at his side, "what brings you down here this time, pahdnuh? You hope to get some tips on how to turn on your rig?"

Badenov, looking pale behind his bushy black beard, swallowed hard. Natasha did not even make the slightest move toward trying to stick someone with her knife, which is what she always did before.

"Wal, ole son, ole sock," Zedd went on, hoping to land several salvos in the usual bragging war before Badenov got himself untracked, "I heard a real rare one -- for you -- a while ago. I shore did, son. I heard *England*. I bet you'd like to work that, wouldn't you! Yuk yuk yuk."

"Natasha, honey," Tondelayo purred, getting into the spirit of things, "that's a *real* cute flour sack you got on. My goodness yes! Is that the very same flour sack you wore when you worked all six stations you ever worked in your whole life? How sweet!"

Badenov and Natasha just stood there, blinking in the pale sunlight, and Zedd began to look a little flustered.

"I been in there working a few thousand new ones, old bean," he said. "I guess that puts me even farther ahead of you. But maybe you're still

No. 2, hanh?"

Badenov cleared his throat, making his rows of medals tremble. "Is right, big guy," he rumbled solemnly. "I and Natasha come here from great Union of Soviet Socialist Republics for congratulate you on be No. 1, and say we mighty proud be on same planet with you, Mistair Zedd, vessir."

Zedd blinked. Tondelayo staggered back a step in shock.

"Oh, honey doll!" Natasha murmured solicitously. "Are you feeling faint? Can I help you? My, my! That's the *prettiest*, most *darling* dress I ever saw! But you're so cute anyhow, Tondelayo, I just always feel so dumb and plain in your presence. You must be cutest graduate in history of Harvard Business College, eh? -- Not to mention best lady DXer of all time!"

"What is this?" Zedd croaked, after a moment's stunned silence.

"My friend," Badenov rumbled, clapping a brotherly hand on the great man's shoulder, "is new age in Russia! Is time of *glasnost* and *perestroika*! A time of modernization and telling truth, da? So is come here to you, me and Natasha, admit you are No. 1, congratulate you, be friends at last!"

"Wal, now, Boris," Zedd muttered, obviously thrown for a loop by all this good stuff, "I dunno what to say, pahdnuh. Uh --"

"Is hope you have time for Colorado KoolAid, maybe few dozen them Twinkies," Badenov said humbly. "We got nothing in Russia like your KoolAid, Twinkies."

Zedd tried to rally. "It's only fittin', ole son, ole sock, for a country that produced the world's greatest, namely me. Tell me, Boris ole buddy: how does it really feel to be No. 2?"

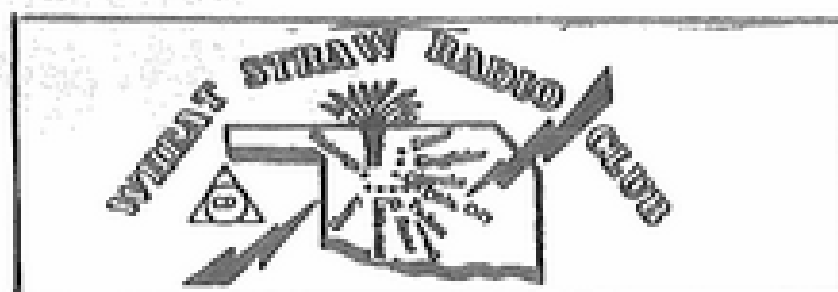
Little droplets of blood appeared on Badenov's forehead, but he was still game. "Is good, being even this close to you, pal Q!"

"I worked all Africa last night," Zedd said, but his flat tone showed that his heart was no longer in it. "I guess nobody has ever done that before, and it's a feat the likes of you could never touch."

Badenov just stood there, sort of twitching and looking sad.

"Right?" Zedd goaded. "RIGHT?????"

The South Canadian Amateur Radio Society



The October meeting of SCARS was held on the 14th at the Red Cross in Norman. A small group of members were present when the meeting was called to order by prez Andi, WU5W. Treasurer Monte, WB5RZX reported that about \$897 was in the bank account.

Old Business:

This is the last mention of a bicycle race this year. The next race should be around April of next year. Andi thanked all of the volunteers that helped with the O'Connell's Cup Criterium race in the campus area.

New Business:

Don, KB5ABS will be the head of the nominating committee to select a slate of club officers for the coming year. Anyone who had input or suggestions for the committee should get in touch with Don.

A novice class has been tentatively scheduled to start on the 6th of November. Details are still being worked out at this time. Ken, KA5EFJ is coordinating the instructors for the course. Anyone interested in assisting in this very worth while effort should contact Ken.

The annual SCARS Christmas party is scheduled for the 8th of December. Andi is looking for someone to help in arranging the entertainment and some people to help with the food. Please contact Andi if you can help.

Committee Reports:

The technical committee reported that the repeater lost audio to the transmitter again. This is the same problem that occurred in late June. It appears to be a defective connection some where but touching the repeater cabinet corrects the problem and the exact location of the problem has not been found.

CORA has started preparation for the next Ham Holiday. It looks like it will be bigger than this year.

New Business (appended):

In some late new business, a motion from the floor was made that the club should buy new Call Books for the club station. The motion passed and both books will be bought and kept at the club station in the Red Cross.

The October meeting was held at the Heritage Community Bank on the 8th. There were twenty three present with no visitors. Several other activities going on, kept some members away. We certainly missed them.

President W5MGZ had it fairly easy, there was not a lot of business to be taken care of. N5IKN Tom made some announcements. On Thursday evening at 8:00 pm on the 146.82/22 repeater, RACES net, he encouraged every member to check in. At 7:00 am on Sundays the ARES net is on 3997.

The Annual Christmas Dinner is set for December 10th. Details will be in next months issue of the C&E. I personally ask you to mark it on your calendars to be there. It will be held at the Catholic Hall in Watonga.

After the business was over a film was shown, "The Northern Lights". WA5FLT had gotten it from ARRL, our clubbeing ARRL associated. The film was made of thirty yeras research from several countries. The lights vary fro night to night, the change of aurora make a difference, brightness, formations, heights, up to 250 miles high. Aurora expands and contracts, making the changes.

Over a three year period N5IKN TOM has been making and putting together a video film of the Wheatstraw Amateur Radio Clubs travels, events, and attending ham fests, etc. He now has a video put together and showed it to us after the "Northern Lights".

Then refreshments were served by the ladies. Some of them were brought from other towns. I don't know who all,

N5MAF brought a copy of the Central Arkansas amateur radio club news letter which featured an article on the Oklahoma NWS packet radio set up. SCARS was identified as the sponsoring club in getting the NWS station in operation.

The meeting adjourned at 9:50am without the usual door prize drawing.
Ken, N5KUK

so thanks to all. The girls always go all out with refreshments.

THE ENGBRECHTS

KG5JB Betty and WO5B Edgar. The Engbregchts are members and a great asset to the Wheatstraw ARC. Betty was born in El Reno. She attended school, grade through high school, with the normal excitement of other youngsters.

After school Betty went to work in a variety store.

Edgar was born in Pauls Valley. He can say that he did not grow up there because at the age of three weeks he moved to Okarche. Edgar went up through high school in Okarche. After high school he attended Oklahoma City University. Then Ed, as we call him, enlisted in The Army Air Force He served overseas in the Far East.

In 1947 Ed received his Private Pilot license. Ed spent several years as projectionist at the theatre in Okarche.

Betty and Edgar met in church, as time went by they married, June 1 1950 in the Congregational Church in Okarche.

Edgar spent twenty years as mechanic and service manager at the Chevrolet garage.

A bundle of joy came into their life, it was a girl, they named her Vicki Lee. Vicki has spent her working life at the Peoples National Bank in Kingfisher. Vicki lives there in Kingfisher.

Present hobbies are amateur radio, working in the garden, radio control airplanes. They built one complete plane with a ten foot wingspread. Past hobbies are coins, guns, boating, camping, motor cycling, and building their first boats, a 14 ft motor boat then a 14 ft sail boat.

All three of the Engbregchts have a gift that can't be beat, that is helping any deserving person.

Betty holds the Advance amateur license, and Edgar holds an Extra Class. Both of them spend a lot of time promoting, and teaching others in amateur radio. WO5B Ed is also a VE Examiner. Betty's mother still lives in El Reno. Ed has his own independent garage. He works on about anything with an engine.

Wishing all our sick folks and friends a quick recovery.

73 Ralph

1 AERONAUTICAL CENTER ARC

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

PR TED ANDERSON, NYSM 685-4016
SE DOUG TEACHMAN, WODXA 392-5458
AsPR HAROLD TODD, WASVAQ 685-3685
AsVP CHARLIE GREENE, WASJGU 943-5631
EDITOR: BILL OLIVER & LUKE ELLIS 329-6333

2 CENTRAL OKLAHOMA VHF

MEETS: 11:00AM THIRD SATURDAY, THE BRICKS
RESTAURANT, 3100 N PORTLAND, OKC

PR JACK HUSE, WBSZKZ 691-1155
VP FRED BOARDMAN, WSNL 427-2505
SE JOE BUSWELL, KSJB 732-0676
TR ELLARD FOSTER, WSKK 789-6702
EDITOR: JOE BUSWELL, KSJB 732-0676

3 MID-OKLAHOMA REPEATER, INC.

MEETS: FIRST TUESDAY, 8 PM, COUNTRY HOMESTEAD
RESTAURANT, 3100 N PORTLAND, OKC

PR BOB MOORE, KASETA 799-1765
VP JERRY METHORE, KDSIS 524-5080
S/T LINDA MOORE, KASNAV 799-1765

EDITOR:

4 OK CITY AUTOPATCH

MEETS: 7:30PM, THIRD TUESDAY
SALVATION ARMY, NW 50 & PENN

PR ROBERT SHAW, WASBQX 341-4763
VP JAMES BARTLETT, KASPSF 359-1299
SE LEONARD HANSTEIN, WSMEL 789-7201
TR LARRY DAVIS, KFSJN 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, KESW 325-2382
S/T JIM GREENSHIELDS, WOSHPU 321-9981

6 ALTUS ASSOCIATION

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

PR FRANK FERITTA, AASIT 482-1398
VP NONE
S/T MIKE SCHENKEL, WSVIU 482-1797

EDITOR: MIKE SCHENKEL, WSVIU 482-1797

7 BICENTENNIAL (76er) ARC

MEETS: 7:30 PM SECOND TUESDAY, DENNY'S
RESTAURANT, 315 S MERIDIAN

PR BILL SKIPPER, KBSBS 392-4612
VP
S/T JERRY SPROUL, NSAUH 354-2061

EDITOR: CHRIS EVERETT, KBSGGY 364-6794

9 WHEATSTRAW ARC

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

PR PERRY JONES, WSHGZ (Wiford) 772-6063
VP GEORGE MASCHIND, K566L (OKARCHE) 263-7614
S/T JOE GARLAND, WASFLT (CALUMET) 893-2660

EDITOR: RALPH WILDER, WASPFK (WATONGA) 623-5421

19 OKLA INDEPENDENT ARC

MEETS: 7:00PM SECOND TUESDAY
SOUTHWESTERN BELL OFFICES, PONCA CITY

PR VERNON TREIBER, Jr. NSANV 767-6260
VP TRUMAN STINER, WBSHRE
SE GLENN COKER, NSHFC
TR JIM DEL TORTO, KSFL 762-1221
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 HAROLD WELLS, WASZKI 623-5191
VP MARTIN McGEE, NSLTS 947-4968
SE DAWN ROWELL, NSKNO
TR GLORIA GUINN K8586H
EDITOR:

18 GREAT PLAINS ARC

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

PR WINDLE HATCHETT, WASPLW (FT SUPPLY) 766-3561
VP BOB BAYLESS, WBOGAX 254-3561
SE ROD FORD, WBSOVT (GAGE) 923-7683
TR FREIDA PATTERSON, NSEOX (WIND) 256-2111
EDITOR: WILLIS RIDINGS, NSOD 689-2291

13 KAY COUNTY ARC

MEETS: 7:00 PM, THIRD THURSDAY, SEP-MAY,
PIONEER VO-TECH, PONCA CITY OK

PR MIKE MORGAN, NSLPZ 765-9539
VP STEVE HUSTON, K850OR 762-4726
S/T HARRY BEATTIE, WDSOPR 765-3862

EDITOR: DAVE LAAND, KDSFY 762-8616

14 CIMMARON ARS

MEETS: 7:39 PM SECOND TUESDAY
WKSJ PLAYHOUSE, 827 S 13, FAIRVIEW

PR JACK KELLY, NSLBN (405) 227-4515
VP RAY BARNES, AB5Z (405) 274-3334
SE DENNIS PAINTON, WKSJ (405) 764-3599
TR MADINE PAINTON, WSMH (405) 764-3599
EDITOR: JACK DAY, NNSZ (405) 227-3462

15 SOUTH CANADIAN ARS

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

PR ANDI WOLFE WUSW 329-0203
VP DORINDA SKAGGS, NSIVA 799-5363
SE KEN BROWN, NSKUK
TR MONTE BATEMAN, WBSRZX 329-7485
EDITOR: KEN BROWN, NSKUK NONE

16 EDMOND AR CLUB

MEETS: 7:00PM SECOND MONDAY. SEE CLUB
SECTION FOR LOCATION AND TYPE

PR MARK NORTHCUTT, WDSOYI 755-4672
VP WENDELL COCHRAN, WBSISO 943-4308
S/T KAY NORTHCUTT, WDSOYJ 755-4672

TRUSTEE: DENNIS ORCUT, WBSISN 340-0034

CENTRAL OKLA RADIO AMATEURS

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

PR FRANK TASSONE, AA56I 341-4945
VP DORINDA SKAGGS, NSIVA 799-5363
SE MARSHALL HADDOX, WUSP 360-3205
TR TOM MANGHAM, KSLDI 677-5291

NOTICE NOTICE NOTICE

EDITORS: SEND YOUR COPY IN
EARLY ENOUGH TO MAKE THE NEW
C&E DEADLINE - WEDNESDAY AFTER
THE THIRD FRIDAY - EACH MONTH.

NOTICE**NOTICE****NOTICE**

1. EDITORS: Starting next
month the "past-up" date for
the CORA Collector & Emitter
is being advanced TWO DAYS.
In the future that date will
always be on a WEDNESDAY
instead of Friday. Check the
calendar each month, it will
show you when you have to
have your copy in.

2. Your copy must be in by
8:00 pm on WEDNESDAY.

3. Copy SHOULD be 3 inches
wide, but if it can't be
presented that way get it to
me any way possible. I will
reset it if necessary.

4. Use a BLACK ribbon. If
it is too light I can darken
it up.

Something new has been added
to your label. There is now a
date, which shows when you owe
your dues to "A" club. If you
belong to more than one club
the date will show the renewal
date for the latest club. You
may owe the other club now.
Three months after the date
shown we will have to quit
sending the C&E, postal regu-
lations. If there appears to
be a mistake - check with your
club official. We can't do
anything about it.

Below is a sample lable:

4 89/08 2
WILSON, MIKE WA5RTY
1234 W 49
MCCLLOUD OK 74851

The "4" means Autopatch Club
89/08 means he is overdue
The "2" is for postal rates

CORA COLLECTOR & EMITTER (USPS 116-150) IS
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PAID SUBSCRIPTION: \$7.00 PER YEAR.

POSTMASTER: SEND FORM 3579 TO:
CORA, 1020 ARTHUR DR, MIDWEST CITY OK 73110

EDITOR: JOE HARDING, WASINF 737-1044
CIRCULATION: BOB GRAHAM, WBSNSV 677-8685



GREAT PLAINS A.R.C.

USNGN Repeater 146.13/73

GREETINGS FROM EARS

The December Christmas Dinner date has now been confirmed. The date will be December 16th at 7:00 pm. The dinner fee will be \$6.00 for adults and \$3.00 for children under 10 years of age. Remember how good this meal was last year! Almost the entire club was present.

Applications for the 1990 Scholarship Awards are now being accepted. Scholarship "A" from the EARS Club and Scholarship "B" from CORA. If you know of a deserving college student please let one of the Board Members know their name.

THE NEON ARC newsletter (Northeast Oklahoma) will be discussed at the next club meeting. Be prepared to let your choice be known as to whether you prefer NEON ARC or the C&E.

A letter of thanks was received by Phil N5HIP from the Putnam City Council thanking all EARS members for their participation in the parade for Putnam City Schools. Good going guys!!! EARS has been asked by the City of Bethany to help in their 1990 4th of July Parade next year. It will be in conjunction with the Edmond 4th of July Parade so more volunteers will be needed. If you have never worked a parade, you should offer to help. It is quite interesting.

Don't forget HAMPOUT 1989 the last weekend in October at the Lake Texoma Hamfest. Exact date and times will be announced on the Monday Night Information Net.

The October Dinner meeting was held last Friday Nite Oct. 20th at Chitwood Park in Edmond. Everyone enjoyed the Hot Dog cookout even though the weather was a little cool. EARS Members in attendance were:

Lee KA5WIS, Edie KA5YPX, Joe KA5ZPN, Larry N5IXV, Clara KG5UG, Gayle KB5HXO, Marlin N5LZF, Dee WD5FHR, Phil N5HIP, and Justin (MMarlin and Gayle's grandson).
73 Marlin N5LZF

Bob Bayless, WBOGAX, has been a mover and doer in the Great Plains Amateur Radio Club since he joined the club in 1987.

Bob was born in Rocky Ford CO and spent most of his youth there. At the age of 16, he moved to Dodge City KS and graduated from high school there in 1967. Soon after that he joined the Navy and gave twenty years of service to his country. He retired in 1987 and moved to Woodward to make his home.

While in the Navy, Bob operated Ham and MARS stations shipboard from the North Atlantic, the Pacific, and from the Mediterranean. Bob said he remembers sending Valentines Day MARS-grams to hundred of sailor's families from the ship.

Bob was sent to McMurdo Station, Antarctica, in 1970. The Navy sent a number of men there as a support group for the National Science Foundation which was doing scientific research. He tested and received a Conditional class license while at McMurdu, KC4USX.

There was no mail and very little contact with the rest of the world. While talking with a ham station in New Jersey, Bob had a station

LATE NEWS

Dee Mize, WD5FHR, would like to remind everyone that the club will be involved in a Christmas Basket for the Hope Center in Edmond. The basket will be for a needy family in the Edmond area and distributed by the Hope Center. Canned and dry goods will be required for the family and EARS has responded very well in the past and we hope to do even better this year. At this time we do not know of any ages of the children and adults in the family. As soon as we know of sizes and ages there will be an announcement on the net for clothing or toys for them. The basket will be at all club meetings and the Classes at St. John the Baptist Catholic Church.

Tommie Guinn, KA5WAV

break with WOCY in Salina KS. As it happened, Bob's wife, Marcia, was attending business school in Salina, so a phone patch was arranged for her to talk to Bob. Thereafter, a twice weekly net was set up on 20 and 40 meters for the benefit of the other people at McMurdo.

Bob was involved with the first Pole-to Pole communications while in Antarctica. They talked to a U. S. Radar Alert Station near the North Pole and made radio history. He spent a year at McMurdo Station. Actually 364 days, 7 1/2 hours according to Bob. Shortly after returning home, the Conditional license was converted to a General class ticket, WBOGAX

Bob lives in Woodward with his wife, Marcia and daughter, Wyatt. Their oldest daughter, Amamnda, has a Novice license and is a Freshman at OSU in Stillwater. Bob is employed at Woodward Cable TV, enjoys hunting and fishing, and piddling. Being a scout leader takes up a lot of his time and last led a group of scouts to the 9000 foot level in the Colorado Rockies to set up a 20 meter station. They used an inverted V antenna to talk to stations all over the country.

Bob is Vice President of the Great Plains Radio Club and helps to operate the Northwest Oklahoma Service Net from the shack in his garage. Bob is always willing to share his time and knowledge with other people and he is a very interesting man to know.

Willis Ridings, N500, is taking over the editor's reins at GPARC. Willis' writings will grace these pages starting with the next issue. Please be sure to keep him informed of events, happenings and personal notes at Route 1, Box 74, Ft. Supply OK 73841, Phone 689-2291.

I hope Willis has as much fun with this as I have.

Leon, N5OKE

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VHF Club NEWS

W5LOW
*The Elmer Gochler Memorial
Station*

Minutes of October Meeting

Meeting was called to order by Vice President Fred, W5NL, at 12:20 p.m. with 20 members and guests present. First order of business was for me to apologize for my mistake in last month's meeting minutes in the C&E. I advised that the Wiener Roast would be in November, but it was on October 21. The group advised me that the Wiener Roast was a success, about 20 to 24 were present, the food was good, and nobody got sick on Charlie's chili. Because of my poor performance, I offered to relinquish my job but Charlie said my performance wasn't THAT bad! Thanks Charlie.

There was some discussion on the license fee problem and on elections for the Club's officers to be held in January. Then we proceeded to watch a video tape Bob, W5HXL, brought for us to see the scenery and wonders in the San Juan Mountains in Southern Colorado. I forgot to note when the business meeting adjourned, but it was a short one because we wanted to get to the movie. Joe, K5JB, Sec'y

Packet Activity

I have not been watching things closely this month so I don't know what to report on. Paul, N5PT, attended the 8th Annual ARRL Networking Conference in Colorado Springs (envy). I have some conference notes I'll add to this column somewhere. We haven't received the HAPN 4800 bps modem kits we ordered and I haven't received the software I wanted to effectively use one on TCP/IP. Looks like it will be a race to see which arrives first. I have a DRSI PC-PA card I want to use for its raw SDLC (synchronous data link control) port that would be a natural for the HAPN modem. I have a compiled version of the TCP/IP networking program for the DRSI, but it has some bad characteristics, particularly when run in the multi-tasking environment of Desqview on the computer. (Like it crashes it big-time, which is normally difficult to do with Desqview protecting things.) I wanted to get the DRSI driver (input-output code) so I could compile my own and it is lost somewhere between being re-written and here. I have been working on a diversion that is kind of fun.

I have an Apple Packet Bulletin Board (PBBS) that is running here and at my friend Hoss, WA5ZAI's house in Virginia. About a month ago I got a request for a copy from Jean-Pierre, FM5AB, in Martinique. I had already started to make a fairly major revision of the thing to add some ideas Hoss and Mac, K2GKK, furnished. When I got the request from Jean-Pierre, I accelerated the work on it and got an initial version off in the mail. Well, on close examination, I saw several things that needed changing, 'for cosmetic reasons mostly. Since I had released the revision, I felt compelled to get a cleaned up revision out to them and spent a couple of really late night sessions fixing and testing things. The last message I got from Jean-Pierre indicated he had not received the first disk yet, but it was just as well. He had been pretty busy with QRM from Hugo! Well, I guess so!

The main Apple PBBS program is written in BASIC. I have had computerists sneer when they hear this but I am not proud. It works, and quite well. If I had a C compiler for the Apple that would take advantage of the thing's strengths, I would write the thing in C, but I don't, so I can't. Besides, BASIC has a rich collection of string handling functions that are just ideal for things like bulletin boards. It also makes more effective use of the Apple's memory resources because the interpreter, which has all the working code, is in ROM. I have a machine language part that does the input and output and some housekeeping chores. It is only 1328 bytes long and I probably spent more time developing it, and have received more satisfaction out of the success of seeing it work, than any other part of the program. The only real weakness in my Apple PBBS is in the use of floppy disk drives to store things. It has to sometimes send out messages to the user to assure him that it has not crashed, while it is reading and writing to disk. I have an Apple with a hard disk drive that I use for development work on the PBBS and of course it is pretty snappy. I just don't think I want to dedicate the thing to on-the-air duty 24 hours a day.

Working with the Apple is fun and brings to mind one of the odd things about human nature. I hear people say, "Well, I haven't switched to a GS-WIZ computer! My Prune/DOS 128 does anything one of those things can!" The question is, why switch? Computer models, Radios, and about any other appliance you can think of, ought to be

purchased after first deciding what kinds of thing you want it to do. What I am saying is that you should make the selection after you have established the salient specifications. I dare say that if most computer owners had to first decide what they would use the computer for, they would never get to the point of purchase. Amigas are great with graphics, Macintoshes work great with mice, Color Computers have nice graphics and more than a couple of operating systems that are great to learn with. And of course, the Commodore 64 (The BIG one my friend Hoss calls it) is hard to beat on packet when coupled up with a PK-64 from AEA. Mac, K2GKK, and others, tell me that the C-64 with the right program does a respectable word processing job for memos and reports. Mac seems to get a lot of use out of his in handling the ARRL Bulletins he receives off of HF, cleans up, and posts on the VHF packet bulletin boards around town.

For handling teletype and packet radio terminal duties, just about any kind of computer will do fine, as long as it has a suitable program to converse with the radio modem. The Apple even has a dumb terminal program built in to its input-output code making it unnecessary to load a disk drive operating system to get on the air. The fact of the matter is that for keyboard traffic, one can do just as well with a cheap CRT, with maybe a printer attached. I had a great time for quite a while on packet in the early days with a Teletype Model 43 printing terminal until lightning took it out.

Since I am somewhat of a tinkerer myself, I am very interested in the intrinsic nature of computers and have programmed several different kinds of them. Some are easier to manipulate than others but all of them have sufficient development tools available to make them do about anything you want. Davis, KD5IT, wrote a Packet Bulletin Board in FORTRAN, for Criminy sakes! The problem I see is all those who have computers who have neither the imagination to figure out new ways to use them, nor the initiative to explore their capabilities. Sigh, much the same as with Amateur radio in general. I am sad to say.

I had a curious thing happen to my 75 meter dipole during the last month. One Sunday morning, I discovered that it was all out of tune. After doing some tree trimming, I found it just as badly out of tune. Some quick checks showed it to be resonant as though it was about 30 feet too short, so I took

the wires down to have a look at them. Darned if they didn't look OK, badly corroded, but they should have worked. I put them back up and things were still the same. The coax was OK, as the 40 meter antenna connected to the thing looked normal. The radio wasn't putting out spurs because I tried a different radio, with the same results. I decided I would just have to put up fresh wire.

Well, I didn't get around to it and since it had been about three weeks since I checked into the Oklahoma Phone Emergency Net, I decided this morning I would hook up a tuner, load up the coax, and explain my absence. I fired up a vacuum tube rig to ease the tuning process and when it came to life, I switched the vizwar meter to 'reflected' and there was none. Hmm, I switched back to the regular rig. All was well. Gremlins? I still need to switch out that wire, but I may never find out what in the world was wrong with that antenna.

Say, I am beginning to think there is something to the gremlin theory. I had some really strange things happen recently with TNCs, computers, radios, and the antenna, that can be easily explained by gremlins. I think I mentioned last month that I had the first packet failure in maybe a year of operation. I awoke one morning to find my UHF packet link dead. I discovered the TNC had quit. I substituted a backup TNC and it wouldn't work. Since I didn't have a lot of time, I sent a message to Dave, WB5FWE, to hold the traffic until I could get things running. That evening when I returned from work I started noodling and suddenly the TNCs (both of them) started working again! No explanation other than gremlins.

Well, this month I discovered the gremlin was still around. I fired up my Icom 720 one morning and the receiver was dead. When I started exploring its insides it started working and no amount of wiggling things around would make it quit again so I buttoned it up and it seems to continue working. Then, I came home from work one day and found the 145.05 port on the MS-DOS bulletin board was not working. It had been working for maybe a year without hesitation. Once I had logged on from the console it resumed operation and has been working since. Last night, I noticed that the TNC running KISS code to the monitoring program was not working properly. An LED that had not worked in years (the DCD LED) started working and another

LED was reporting bursts of data being sent to the computer but the computer was seeing nothing. I left the gremlin in there for the day so he would stay out of my other stuff. This is the TNC that I completely rebuilt after a lightning hit so I am not unfamiliar with its insides. If anyone knows of a home for wayward gremlins, I would be happy to send mine there.

Let's look at some of the things I picked off the wire in the last few days. First, there is an interesting ARRL bulletin regarding court action on the 220 Mhz thing, an ARRL bulletin on the WIAW schedule, some notes I got off of Compuserve's Hamnet regarding the 8th annual ARRL Networking Conference in Colorado Springs, CO, and a collection of PK-232 messages that have uncertain value, but here it is. Joe, K5JB

ARRL Bulletin 77

From ARRL Headquarters, Newington, CT, October 20, 1989 To all Radio Amateurs

Acting on behalf of the National Communications System, the Department of Justice has filed a petition in the US Court of Appeals for the DC Circuit requesting that the Court review the FCC action in Docket 87-14 denying reconsideration of the 220 MHz allocations decision. The petition seeks review on the grounds that the FCC action was arbitrary, capricious, and an abuse of discretion, and requests that the action be set aside and the matter remanded to the FCC. The case, United States of America vs Federal Communications Commission, has been assigned Case Number 89-1635 by the Clerk of the court. A similar petition for review filed earlier by ARRL was designated Number 89-1602.

ARRL Bulletin 78

From ARRL Headquarters, Newington, CT, October 20, 1989 To all Radio Amateurs

With the change to Standard time on October 29, all scheduled WIAW code practice and bulletin transmissions will be one hour later in UTC. If you have been on Daylight time, the local times will remain the same. If you have not been on Daylight time, tune in one hour later. For example, the 1300 UTC, 9 AM EDT code practice will become 1400 UTC, 9 AM EST. The complete WIAW schedule appears in November QST.

ARRL Computer Networking Conference

(From Compuserve's Hamnet)

The 8th annual ARRL Computer Networking Conference took place the weekend of October 7th, 1989 in Colorado Springs, Colorado at the US Air Force Academy. The conference was sponsored by Tucson Amateur Packet Radio (TAPR), Academy Amateur Radio Club, USAFA Cadet Radio Club, Rocky Mountain Packet Radio Association (RMPRA) and the American Radio Relay League (ARRL). The event was organized by Andy Freeborn, N0CCZ, President of TAPR. Most people thought the conference was the best network conference yet. In attendance were about 150 amateurs from across the country and the world. Amateurs from the Netherlands, Costa Rica, Italy, England, Australia, Sweden, and Mexico were in attendance. This year's proceedings encompassed HF packet, Networking, Application & Users, High Speed Packet, Satellites, and other general packet papers.

A group of conference attendees on Friday visited the Air Force Academy for a tour. The hospitality suite was well attended all day Friday at the Marriott and saw numerous packet and other discussions break out.

Saturday was the conference part of the weekend. Talks started promptly at 9:15am, after Andy Freeborn, N0CCZ, started off at 9am with the conference introduction. Paul Newland, AD7I, took on a new role, that of hi-tech Sargent-at-Arms. With the use of a "modern technology", Paul was able to let everyone know, in more than one way, before the trap door opened on speakers. The system worked very well and let everyone presenting have their fair share of time.

Conference Presentations:

HF Papers - HF Design Project - Paul Rinaldo, W4RI. Discussion on the ARRL HF project.

HF Diversity - Steve Hall, WM6P. By using multiple receivers, reception of packet is increased on HF by combining what both receivers receive.

AMTEX - NAVTEX-like Dissemination Procedures for Amateur Radio. Paul Newland, AD7I. AMTEX could provide better dissemination of bulletins in the amateur community by using AMTOR and this simple coding scheme.

NETWORKING Papers - ROSE X.25 Network Growth - Thomas Moulton, W1VY. Update on ROSE X.25 activity and how it works.

A Packet Broadcast Protocol - Gordon Beattie, N2DSY. A presentation on a potential packet broadcast method for use in packet radio.

Routing, Oh Where is My International Routing - Chuck Hast, T13DJT. A presentation on the current packet network in Central America and some of the problems encountered to date in its construction.

Amateur TCP/IP in 1989 - Phil Karn, KA9Q. Discussion on the current status of the KA9Q Internet Protocol package and other projects.

Callsign Server for the KA9Q Internet Protocol Package on the Apple Macintosh - Doug Tom, N6OYU and Dewayne Hendricks, WA8DZP. Discussion of a TCP/IP application for use as a Callsign Server and its implementation and impact.

Design of a Next-Generation Packet Network - Bdale Garbee, N3EUA. A look at technologies that have potential for impacting future packet networks. A preliminary proposal is made for an example network configuration in the Rocky Mountain Region.

APPLICATION & USER Papers - Application Software for Packet Radio - Robert Taylor, KA6NAN and Dewayne Hendricks, WA8DZP. Discussion on the possibilities of applications for amateur packet radio. A Packet Chess program written for the MAC is used as an example.

Protocol Level Eight -or- what about the Users? - Lyle Johnson, WA7GXD. Is packet to be useful to Communicators, or will it remain in the domain of the Techies? Discussion concerning future implementations of packet for the normal user.

Thoughts on Adaptive Link Level Protocol - Lyle Johnson, WA7GXD. A presentation on concerning new packet issues.

HIGH SPEED Papers - A study of High Speed Packet Radio - Roy Goud, N5RG. Possible transmission methods that could be used in high-speed packet radio networks were discussed and analyzed.

Implementation of a 1 MBPS Packet Data Link Using 10Ghz RF - Glenn Elmore, N6GN and Kevin Rowett, N6RCE. Design and implementation of an amateur radio packet data link operating at one megabit/sec.

The Implications of High-Speed RF Networking - Mike Chepponis, K3MC, Glenn Elmore, N6GN, Bdale Garbee, N3EUA Phil Karn, KA9Q, and Kevin Rowett, N6RCE. Discussion on what is, considerations of how to plan, and the future applications of high-speed RF networks.

SATELLITES Papers - ATS-3 Packet Experiments - The potential Impact of Packet Radio upon Pacific Basin Communications - Gerald Knezek, KB5EWV and Greg Jones, WD5IVD. A report on work being done at the University of North Texas on providing packet LAN and WAN communications in the Pacific Basin for providing low-cost data communications.

Microsat Status Report - Lyle Johnson, WA7GXD and Jon Bloom, KE3Z discussed the current status of the Microsat project.

POTPOURRI Papers - Tucson Amateur Packet Radio packetRADIO Project - Greg Jones, WD5IVD and Pete Eaton, WB9FLW. Review of the TAPR packetRADIO project to date and its design.

A Multi-Channel IBM PC Packet Interface - Henk Peek, PA0HZP. Discussion on a universal medium speed packet interface for the IBM/PC ISA bus.

Design and Implementation of an AppleTalk Local Area Network Bridge Using Packet Radio - R. Ramsey and W. Kinsner. Design and implementation of a local area network bridge based on the link layer AX.25 packet radio protocol and the AppleTalk Personal Network on the Macintosh Computer.

Sunday was a combined ARRL Digital Committee meeting and RMPRA sponsored conference.

Dealers present in the dealers' area Sunday were Kantronics, DRSI, and PacComm. Kantronics was showing its new dvr 2-2 9600 baud packet radio. Kantronics also demonstrated an alpha-test unit of the de 56, which is a future dual port data-over-radio platform. DRSI was showing layouts of the implementation of the 'K3MC Awesome I/O Card.' PacComm was also showing its product line. The Texas

Packet Radio Society (TPRS) was present answering question about TexNet and showing TexNet hardware. Tucson Amateur Packet Radio was selling TAPR products, and Radio Amateur Telecommunications Society (RATS) members were available during the conference with their new software release.

A copy of the network proceedings may be obtained from the ARRL at, 225 Main St. Newington, Ct 06111

AEA PK-232 Notes

Here is a collection of notes from a flurry of AEA PK-232 messages that came down the pipe this month. (With a couple more added by Dave, WB5FWE as I prepared this.) I haven't attempted to evaluate the quality of the "fixes" described so they are presented here "for what they are worth". I have personally had no problems with RFI, as one message alludes to, to lockups, as another describes, etc. I found the PK-232 to be a pretty reliable box, though I don't use mine 24 hours a day like some who run bulletin boards might. I do run mine from a substantial power supply and I suspect a lot of problems people have are power related. The specifications in the AEA book are there for a reason. It requires 12V at ONE AMP. It is likely that a wall mounted power supply just might not cut it, unless it is a bruiser.

I have noted that some versions of the PK-232 ROM seem to have a bug in the code that runs KISS. I am aware of at least two PK-232s that have given to fits of sending crazy headers. I refer to these as the SK-232 model (skitzo). If we figure out what versions of ROM do it, we will let you know. Anyway, maybe there is something in the following you might find useful:

To: ALL@ASIA

I have not seen this anywhere in any of the manuals, and found it by accident (it is amazing what you can discover at 1:00 AM when you are tired). If you type (at the cmd: prompt):

mh 0

It will show you the LAST station heard. The number can be anything from 0 to 17, each one showing just one station and each from further down the list. Here is an example from my PK-232 (there are only 8 callsigns in this list):

cmd:mh
26-Feb-89 14:49:44 VK4BBS-1'

26-Feb-89 12:26:43 VK4KNA*
 26-Feb-89 01:24:14 VK4BBS*
 25-Feb-89 06:47:39 VK4AHD*
 25-Feb-89 01:21:53 VK4BBS-2*
 24-Feb-89 14:51:10 VK4ZEV*
 24-Feb-89 07:56:10 VK4BBS-3*
 24-Feb-89 03:01:11 VK4XBB-1
 cmd:mh 0
 MHEARD 26-Feb-89 14:49:44
 VK4BBS-1*
 cmd:mh 1
 MHEARD 26-Feb-89 12:26:43
 VK4KNA*
 cmd:mh 7
 MHEARD 24-Feb-89 03:01:11
 VK4XBB-1

I wonder what else remains to be found in the AEA TNCs. De the Wolf, Systems Co-ordinator, VK4XBB-1 BBS

Hi!

I'm really happy about a file that I recently downloaded from TG9VT, who described a mod for the PK-232 that helps to eliminate interference to your HF rig while trying to copy HF signals, eg. RTTY, CW, etc.

Anyway, John said that he, ZS6AQC, and W9CD all placed 1 MFD tantalum capacitors (Radio Shack) between pins 4 and 11 of the op amp chips U23, 26, 28, 30, 32, 34 to reduce the noise on the power bus to these chips. IT WORKS!!! I STRONGLY urge all owners of the PK-232 to make this mod to your units. The noise figure was cut way, way down. Thanks goes out to these hams for their efforts in cutting down the noise in this otherwise noisy TNC. 73, Brad, N6KYS@KE6LW-1.

Are you having trouble with your PK-232 Locking up (not returning to receive mode) when a high RF signal is present? If so AEA says to add a .01 MFD Capacitor across D30.

D30 is located in lower right hand corner of Main Board, parts pictorial page I-1 of operating manual, just to the left of JP2 and JP3 beside SW-2.

I hope this helps, it stopped my problems. 73, Rick N7KQB @KE7PV

Dear Reader!

There was such a response to my note regarding "Cures for PK232 Lockup" that I've had to put out a general bulletin! Here is a synopsis of some of the replies I got to my Help! cry:

Lenny (the sysop @GB7LIV) reported that he ended up putting 0.01 microfarad disc ceramic capacitors

between ALL connections to the radio and ground. He also fitted a heavy braided earth strap from the chassis of the TNC to TRUE earth (onto the earth chassis of the computer or to an earth point on a 13 amp socket outlet). The problem then stopped TOTALLY.

Chris (G6FCI @ GB7FCI) reported a problem with his PK-232 locking up when a fluorescent light (and other appliances sometimes) was turned on. (He attributed it) to spikes getting onto the earths in the RS-232 between the computer and TNC. He (performed the following steps) to solve it and is not quite sure which effected a cure.

1) Stick a decoupling cap between the RTS and CTS lines and earth (he thinks that was where he put them).

2) Strap the signal and frame ground lines together at the TNC and computer end of the RS232 cable. He knows that technically the two are supposed to be separate, but suspects that the problem arises when the signal ground ends up at a different potential from the frame ground. He hasn't had the TNC lock up for 6 months or more.

Alex (G1FBY @ GB7BMX) reported that he has had his 232 for two years. One of the first problems he encountered was lockup. All investigations of the unit proved OK. One Sunday his XYL was using the washing machine and dishwasher for long periods of time and the PK232 locked up 6 times. It was run on a fully regulated power supply. He fitted a Radio Spares spike protection socket to the mains plug of the power supply and all has been FB since.

Hope this is useful, 73 de Derek, G4UXD @ GB7OAR

PK-232 PROBLEM: TTL level transmit data is present on the FSKN and FSKR pins on J7 of the PK-232 regardless of the position of the RADIO 1/RADIO 2 switch. When left connected to the direct FSK keying inputs of many HF transceivers, the data on these lines will cause noise on the HF transmitted signal on other modes (SSB, FM, etc.) when the other port is being used on another radio. Further, to use direct FSK keying, one must split the interconnect cable at the PK-232 end because the receive audio and transmit FSKN/R signals use different connectors on the PK-232.

SOLUTION: Select either the FSKN or FSKR signal (whichever you use) and substitute it for the SQUELCH input on

J4 and J6. This allows the TTL level transmit data to appear on J4 and J6 pin 3 as selected by the RADIO 1/RADIO 2 switch. This eliminates both of the above problems. This modification requires no trace cuts or drills and may be easily restored.

MODIFICATIONS:

- 1) Select the appropriate signal for your application.
- 2) Remove R150
- 3) Ground the base of Q6 using a jumper to the pad left by the Q6 side of R150.
- 4) Connect a jumper between the pad on the SW2 side of R150 and U38 pin 2 or pin 8 depending on your choice in step 1.

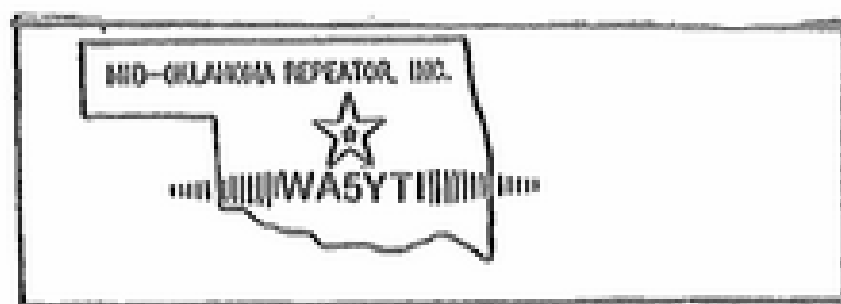
NOTE: The pinouts on J7 for FSKN and FSKR are reversed at U38 on some PK-232 schematics. FSKN thus appears on U38 pin 8 and FSKR appears on U38 pin 2. The labels on J7 are correct.

GOOD LUCK and 73, Rod NR7E @ W6PW-3

PK-232 USERS GROUP PRELIM REPORT: Those who sent S.A.S.E. will receive info and questionnaire very soon requesting suggestions for improving the performance through software and docs. Proven successful hardware mods like that of N6KYS @ KE6LW-1 are also solicited. In view of positive responses received from factory this user is optimistic. My slowness is due to recent hospital visit - and seniority. Bear with me, I believe the PK-232 Users Group teamworking in a positive manner with AEA's staff can make it a much better TNC, without bugs! Mail: 5602 Raters Dr Santa Rosa, Ca. 95409. Tel 707-538-4935. 73s Allan Chapman W6MEO @ WD6CMU.

A recent @USA item from W6SHP @ WD6CMU asked about an interface for the TAPR PSK modem to PK232. TAPR has produced a small board that you plug into the 8530 SIO chip socket, and the plug the 8530 into the TAPR board to provide the 20 pin TAPR-standard modem disconnect interface for any special modem you want to use (including the TAPR N7CL, W3IWI, WA7GXD PSK modem). The board also provides connections for the N7CL DCD modification. TAPR has kits on hand (price < \$20). PSK modem kits are also available again.

TAPR's phone is (602)-323-1710 and it is manned during the daytime on Tuesday thru Friday. 73, Tom, W3IWI



KAY COUNTY
AMATEUR RADIO KLUB



OCTOBER MEETING

October meeting got started at 7:30 pm on 10-3-89 at Warr Acres Library. Had visitors from Elk City and Weatherford who were interested in the linking project. Enjoyed visiting with them and glad they made the trip! Stu, KD5DL, had provided us with a very interesting program put on by Don, N5ENQ, on the history of computers. We almost didn't have time for the program and the questions and answers. The program was enjoyed by one and all.

November meeting will be Nov. 7th at Warr Acres Library at 7:30 pm. The main topic on the agenda is election of officers. The old saying "if you don't vote, you can't gripe" -- come one, come all and make your wishes known!

The status on all the repeaters is good. KA5TDA, Mike, replaced final on 146.67 and did power supply work on weekend of 10/21. Everything else is running fine. Was informed recently that Enid 147.75/.15 repeater will be linked into OKC system, probably in next 2-3 weeks. If you have not used the link wide-area feel free to do so -- it's very enjoyable and listen to and participate in the swap net held every Thursday night at 7:30 pm on 146.94 and 444.1 and 224.1 and 449.875 (Tulsa) and 147.00 (Tulsa) and any others that come on line.

Hope to see everyone at the election meeting on November 7th.

73

Bob, KA5ETA

We had another good turnout for the October meeting with several new faces there. Your reporter had to miss this meeting for the first time in many months so I'll have to rely on notes taken by N50GP ("The boss" had me shopping in Tulsa!).

The Club Jackets are on order and should arrive around the end of the month. If you didn't get your order in, it's too late this time, but there will be another order later. A 'family membership' fee structure was passed. A supporting member would join at the normal rate and all other family members can join at five dollars each.

The Christmas dinner was discussed. Marsh, WA5UBO volunteered to coordinate the program this year. It will be held on the second Tuesday or Thursday of December at the Marland Mansion. If you have a problem with this, please voice your opinion to Marsh.

Now that the club is affiliated with the ARRL, you can get two dollars back when you join the ARRL or re-new. Contact N50GP for the details.

We also voted to pro-rate the club dues by quarters for those new members wishing to join late in the year.

Well, that's about it from the meeting notes. The next meeting will be on November 16th at the Vo-Tech again.

PUBLIC SERVICE EVENTS

All the runs and other events are over for the winter. The next one should be the Groundhog day run in February.

I would like to thank AA50J (that's Lowell KG5XM's new call), N50GP and N5LPZ for helping me with some health and welfare traffic after the earthquake.

I'll keep it short again this month, 73 KD5FX, Dave.

MINUTES OF OCTOBER MEETING

Meeting was called to order by our President, "King B. R.", WA5BQX, at the Oklahoma Salvation Army Headquarters. The Treasurer's report was given by the President for our Treasurer, Larry, KF5JN, who is attending evening classes at OU. The club Secretary, Leonard, W5MEL, read the minutes which were approved as read.

NEW BUSINESS

Pres. "King B. R." announced that he will appoint a work party to paint and clean the OCAPA Repetaer Site. The October program was on automobile security and was presented by a gentleman from David's Stereo.

The November meeting is going to deal with Direction Finding and the Movement of Wildlife.

This is the first column that I have written as Vice President / Editor and I would certainly like to print what you want to see in this column. To get your articles in this column you can either send them to me at my home, call my phone and dictate to my machine (30 Minute limit), or hand it to me in person.

I would like to thank Chuck, K5NK, for the great job of creating and editing the columns I have enjoyed in the past year and hope he will continue to contribute to this column at his every opportunity. Well Done, Chuck!!

Don't forget, mail it call it hand it over ...this column is for you. Jim Bartlett, KA5PSF, VP/Editor

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QSL CARDS !

Just Thought You'd Like To Know:

Diplomacy is telling someone he has an open mind when you really mean he has a hole in his head.

Experience is what enables you to recognize a mistake after you've made it again.

It's all right to let your mind go blank occasionally, but only if you turn the sound off too.

The secret to achievement is not to let what you're doing get to you before you get to it.

You can never get much of anything done unless you go ahead and do it before you are ready.

OKLAHOMA REPEATERS LISTED BY CITY

LOCATION	OUTPUT	OFFSET	LOCATION	OUTPUT	OFFSET	LOCATION	OUTPUT	OFFSET
ADA	147.285	+ .600	HOLDENVILLE	146.625	- .600	STILLWATER	145.350	- .600
ADA	443.800	+5.000	HUGO	146.610	- .600	STILLWATER	146.730	- .600
ALTUS	146.790	- .600	KINGFISHER	146.640	- .600	STILLWATER	147.270	+ .600
ALTUS	444.100	+5.000	KINGFISHER	444.975	+5.000	STILLWATER	224.600	-1.600
ALVA	444.550	+5.000	LAWTON	146.910	- .600	STILLWATER	427.250	+12.000
ANADARKO	147.270	+ .600	LAWTON	147.390	+ .600	STILLWATER	444.900	+5.000
ARDMORE	146.790	- .600	LAWTON	443.850	+5.000	STROUD	147.105	+ .600
ARDMORE	146.970	- .600	MCALESTER	145.370	- .600	SULPHUR	145.450	- .600
BARTLESVILLE	146.655	- .600	MIAMI	146.730	- .600	SULPHUR	147.150	+ .600
BARTLESVILLE	146.760	- .600	MIAMI	146.790	- .600	SULPHUR	224.800	-1.600
BARTLESVILLE	444.775	+5.000	MOORE	442.100	+5.000	SULPHUR	443.300	+5.000
BEAVER	146.610	- .600	MOORELAND	147.360	+ .600	TAHLEQUAH	147.240	+ .600
BETHANY	444.500	+5.000	MOUNDS	146.775	- .600	TAHLEQUAH	443.800	+5.000
BIG CABIN	147.360	+ .600	MUSKOGEE	146.745	- .600	TEXHOMA	147.375	+ .600
BIXBY	147.300	+ .600	MUSKOGEE	146.850	- .600	TULSA	29.640	- .100
BLACKWELL	145.230	- .600	MUSKOGEE	147.330	+ .600	TULSA	145.210	- .600
BLACKWELL	442.350	+5.000	MUSKOGEE	224.340	-1.600	TULSA	145.470	- .600
BROKEN ARROW	145.270	- .600	MUSKOGEE	443.100	+5.000	TULSA	146.700	- .600
BROKEN ARROW	146.910	- .600	MUSKOGEE	53.050	-1.000	TULSA	146.820	- .600
BROKEN ARROW	224.900	-1.600	MUSTANG	147.320	+ .600	TULSA	146.880	- .600
BYRON	147.300	+ .600	NEWCASTLE	145.190	- .600	TULSA	146.940	- .600
CALUMET	146.610	- .600	NORMAN	146.880	- .600	TULSA	147.000	+ .600
CALUMET	442.050	+5.000	NORMAN	147.060	+ .600	TULSA	147.120	+ .600
CALUMET	1282.10	-12.000	NORMAN	444.350	+5.000	TULSA	147.180	+ .600
CAVANAL MTN.	146.640	- .600	OKLAHOMA CITY	52.525	+ .155	TULSA	147.390	+ .600
CAVANAL MTN.	444.500	+5.000	OKLAHOMA CITY	53.750	-1.000	TULSA	224.940	-1.600
CHANDLER	147.360	+ .600	OKLAHOMA CITY	53.850	-1.000	TULSA	443.400	+5.000
CHANDLER	449.650	-5.000	OKLAHOMA CITY	53.990	-1.000	TULSA	443.975	+5.000
CHICKASHA	145.130	- .600	OKLAHOMA CITY	145.330	- .600	TULSA	444.100	+5.000
CHOCTAW	147.090	+ .600	OKLAHOMA CITY	145.410	- .600	TULSA	444.200	+5.000
CHOUTEAU	145.130	- .600	OKLAHOMA CITY	145.490	- .600	TULSA	444.300	+5.000
CHOUTEAU	224.500	-1.600	OKLAHOMA CITY	146.670	- .600	TULSA	444.450	+5.000
CLAREMORE	147.090	+ .600	OKLAHOMA CITY	146.760	- .600	TULSA	444.600	+5.000
CLAREMORE	444.350	+5.000	OKLAHOMA CITY	146.820	- .600	TULSA	444.950	+5.000
CLAYTON	146.730	- .600	OKLAHOMA CITY	146.850	- .600	TULSA	449.875	-5.000
CLEVELAND	145.110	- .600	OKLAHOMA CITY	146.940	- .600	VICI	146.895	- .600
CLEVELAND	443.300	+5.000	OKLAHOMA CITY	147.030	+ .600	VICI	444.050	+5.000
CORDELL	147.150	+ .600	OKLAHOMA CITY	147.210	+ .600	WOODWARD	146.730	- .600
DAVIS	224.980	-1.600	OKLAHOMA CITY	147.340	+ .600	WYNNEWOOD	147.375	+ .600
DEL CITY	444.000	+5.000	OKLAHOMA CITY	224.100	-1.600			
DOUGHERTY	146.700	- .600	OKLAHOMA CITY	224.440	-1.600			
DUNCAN	146.730	- .600	OKLAHOMA CITY	442.550	+5.000			
DURANT	146.940	- .600	OKLAHOMA CITY	443.100	+5.000			
DURANT	224.600	-1.600	OKLAHOMA CITY	443.550	+5.000			
EDMOND	145.150	- .600	OKLAHOMA CITY	443.900	+5.000			
EDMOND	147.135	+ .600	OKLAHOMA CITY	444.100	+5.000			
EL RENO	147.180	+ .600	OKLAHOMA CITY	444.200	+5.000			
EL RENO	147.240	+ .600	OKLAHOMA CITY	444.300	+5.000			
ELK CITY	146.760	- .600	OKLAHOMA CITY	444.700	+5.000			
ENID	29.620	- .100	OKLAHOMA CITY	444.850	+5.000			
ENID	145.290	- .600	OKLAHOMA CITY	447.575	-5.000			
ENID	146.940	- .600	OKMULGEE	147.225	+ .600			
ENID	147.075	+ .600	PAWHUSKA	146.985	- .600			
ENID	147.150	+ .600	PIEDMONT	145.370	- .600			
ENID	224.940	-1.600	PIEDMONT	444.800	+5.000			
ENID	443.000	+5.000	PONCA CITY	145.310	- .600			
ENID	443.200	+5.000	PONCA CITY	146.970	- .600			
ENID	444.400	+5.000	PONCA CITY	426.250	+485.00			
FAIRVIEW	145.450	- .600	PONCA CITY	442.950	+5.000			
FORT GIBSON	223.940	-1.600	PONCA CITY	444.700	+5.000			
FORT GIBSON	444.400	+5.000	PRYOR	147.060	+ .600			
FORT SILL	147.360	+ .600	PRYOR	224.060	-1.600			
FORT SUPPLY	147.120	+ .600	PURCELL	147.300	+ .600			
FRANCIS	146.715	- .600	SAPULPA	145.430	- .600			
GRANITE	146.640	- .600	SEMINOLE	147.195	+ .600			
GROVE	147.150	+ .600	SHAWNEE	146.910	- .600			
GROVE	444.150	+5.000	SHAWNEE	147.165	+ .600			
GUTHRIE	425.250	+14.000	SKIATOOK	147.045	+ .600			
GUYMON	147.150	+ .600						

Here's a list
of all the
Oklahoma
Repeaters -
Have fun!
Don



The ACARC meeting was called to order at 19:32. There were 25 members present. After a round of self introductions, Tom, K5LDI, gave the CORA report. Doug, W0DXA, gave the treasurers report. We have a balance of 213.10. Jack, WB5SVN gave a report on the August watermelon feast with the VHF club. The emergency numbers used for the autopatch were discussed and it was decided to leave them as they have always been. Sad to report that Kermit Kruger, K5JEA, a long time club member is now a silent key.

The ACARC will have a joint weiner roast with the vhf club about the middle of October at Lions park located on 36th between Rockwell and Council. Jack, reported that the club tri-band antenna, a Mosley TA33 will be replaced by a TB5ES Telrex 5 element 18 foot boom very soon. The old antenna will be auctioned off. It will include a 40 meter add on and it works fine on 10 and 20 meters. The problem is on 15 meters. The club is also looking for a 48 volt - 1 amp power supply for the antenna switch.

The secretary, Doug W0DXA, is updating the club membership roster. That is - eliminating all those people whose membership has expired. If you are among this bunch, you can call Doug at home to discuss this. His number is 392-5458. He will gladly answer your questions. After a short break, the program was given by Don, N05M. It was a slide show entitled 'A ROARING GOOD TIME'. This was a slide show about the 1988 San Antonio car race. It was very interesting and included the communications necessary for handling all aspects of the race. The meeting was adjourned at 21:07.

Bill, K5KDR

The meeting was called to order at 19:33 by Jack, WB5SVN.

There were 14 members present. The treasurer was unable to make the meeting but we are assured the club finances

are in good shape.

Tom, K5LDI, gave the CORA report. Tom is also the CORA treasurer. He reported that both the CORA and C & E finances are in good shape.

He said Ham Holiday for 1990 will again be at the Lincoln Plaza on the first full weekend in August. The place has already been booked for the last weekend in July that we normally have. A motion was made by Charlie Green, WA5JGU, that we instruct our CORA representatives to vote against CORA joining or turning over to NEON the CORA responsibility of publishing the news for the CORA clubs. The motion was approved unanimously. New ACARC officers will be elected in December. A weiner roast will be held jointly with the VHF club on Friday, October 20. Bring weiners, bun, and etc. to the Lions park located on NW 36th between Rockwell and Council. The club has purchased a new Telrex tribander which should be in place by the time you read this. Ellard Foster, W5KE, donated an antenna switch and Hugh Benson donated two 24 volt transformers and Bob Ashby, W5HXL, donated the solder and expertise to assemble a 48 volt antenna switch which will be installed also. The Mosley tribander will be taken down. Sealed bids will be taken on the Mosley, TA33 senior. It works very well on 10 and 20 meters. However, 15 meters is a little suspect. Getting some new crystals for the 6 meter rig was also discussed. Also, the club needs to put up some sort of antenna for the recent new bands of 10, 12, and 17. The meeting adjourned at 20:25.

Bill K5KDR

Committee of The Whole. Publicity EARS (Bob N5KUE). Non-Technical Programs SCARS (Dorinda N5IUA et al). Bingo ACARC (Tom K5LDI, Don KB5ABS. Pre-Registration 76ers (Jerry N5AUH). Programs possibly John WB5SYT. Registration EARS (Steve KG5IP). Security EARC (Phil N5HIP). Also yet to be decided is a possible Sunday Breakfast.

The meeting was adjourned at 8:51 pm. The next meeting is scheduled for 24 October 1989. Secretary, Jim N5BEQ

CORA

MINUTES

26 September 1989

The meeting was called to order at 7:10 pm with President Frank AA5GI in the chair and the following Directors and Guests present:

ACARC Robert Mangham K5LDI
Charlie Greene, WA5JGU

MORI Robert Moore, KA5ETA
Ellard Foster, W5KE

OCAPA Jim Bartlett, WA5PSF

EARC Phil Wolfenbarger N5HIP

SCARS Donald Schader KB5ABS

Dorinda Skaggs N5IUA

EARS Joe Lynch, N6CL

Bob Long, N5KUE

76ers Jim Buswell, N5BEQ

C6E Joe Harding, WA5ZNF

Visiting were Lee Allen, N5KXI and Bob Ashby, W5HXL.

The report of the treasurer was accepted as distributed.

The minutes of the August meeting were accepted as distributed.

On motion from Phil N5HIP and seconded by Charlie, WA5JGU it was agreed to accept Lincoln Plaza's charge of \$4,000.00, plus taxes, for Ham Holiday XVII (HH 17) to be held 3-5 August 1990.

On motion by Bob N5KUE and seconded by Dorinda N5IUA it was agreed, without opposition, that the president would appoint a committee to study the proposal of NEONARC Publisher Joel Fream WA5HNO that the Collector & Emitter (C&E) merge with NEONARC into one publication serving the members of C&E and Northeast Oklahoma. This committee is to report back in ninety (90) days at that Board Meeting with its report for Board Action.

Those Directors appointed to this committee are Joe N6CL, Bob N5KUE, Jim KA5PSF and Jim N5BEQ. The report is due at the January 23 1990 meeting.

The officers of the Board elected for 1990 are:

PRESIDENT Frank Tassone AA5GI

VICE PR Dorinda Skaggs N5IUA

TR Tom Mangham K5LDI

SEC Jim Buswell N5BEQ

HH17 Committees firm as of this date are: Talk-in EARC (Bob KAOCVK). Flea Market SCARS (Don KA5ABS). Facilities/Dealers/Awards EARS (Frank AA5GI). Banquet

SUN	MON	TUE	WED	THU	FRI	SAT
OCTOBER S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	DECEMBER S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30		1	2 AERONAUTICAL CENTER ARC	3	4
5 GREAT PLAINS ARC	6 NOVICE CLASS SEE SCAKS <small>First Quarter</small>	7 MORI	8	9 ALTUS AREA A R A	10	11 SOUTH CANADIAN ARS <small>Veterans' Day</small>
12 WHEATSTRAW ARC	13 EDMOND CLUB <small>Full Moon</small>	14 O U 76'ERS CINMARON ARC OIDAR	15	16 KAY COUNTY A R K VO-FLCH	17	18 CENTRAL OKLAHOMA VHF CLUB
19 EDMOND SOCIETY	20 VE EXAM 6 PM RED CROSS BLDG <small>1st Quarter</small>	21 OK CITY AUTOPATCH	22 EDIT NIGHT FOR C & E	23  <small>Thanksgiving Day</small>	24	25
26	27	28 CORA CORA CORA CORA CORA CORA <small>New Moon</small>	29	30	NOVEMBER	

Q. R. ZED cont.

"Is right," Badenov said with a sickly smile. "Is true. I feel humble in presence of such grand American know-how. Maybe some day we can start learn be like you, cowboy."

"And Tondelayo, dear?" Natasha purred. "Could you possibly find time to give me some advice on some new clothes, and how to fix my hair? You're so much cuter than me, I sure would appreciate any advice you might give me."

Zedd removed his Stetson and mopped his brow with his forearm. "Boys and girls, maybe we better get ourselves outta the sun and go up on the porch and have a toddy."

Which they did.

Zedd tried several more times to get Badenov going. Tondelayo even sank a couple more verbal harpoons in Natasha's hide. But nothing worked. Nothing was the same.

It was almost dusk when the Russian duo walked back to their plane and climbed on board after much hugging and kissing, Soviet-style, all around. Zedd, still

bemused, didn't even have a parting wisecrack. He just kind of stood there, real sad, waving as the plane taxied out.

"Honey," he said softly as the big jet roared down the runway and clawed into the night sky, "I'd heard of this *glasnost* and all. But maybe I better start reading up on it."

"That wasn't even any fun," Zedd went on, baffled. "How can you brag when there's nobody to brag back? That dadburned Russian acted *real nice!* What am I supposed to make of that?"

"It looks, Q," Tondelayo sighed, "like we all got a lot to learn, a lot of startin' over to do."

Zedd looked downcast.

But then he brightened.

"Maybe it won't last," he said hopefully. "Maybe we can get back to the Cold War real soon. You think, hon? Huh? Huh?"

"Sure," the sweet thing replied soothingly, patting his arm. "Even Gorbachev will have to see the light on this one. There's *never* been a polite DXer before; that's surely an idea that will never fly!"

"You're right," Zedd said. "I feel better. Let's get in to the rigs, darlin', and start yelling at people, telling them they're outta the band!"

-- KU5B

A tired but devoted football fan spent Monday night watching the game. He fell asleep in front of the television set and slept through the night. Next morning, his wife, worried that he'd be late for work, shook him awake saying, "Dear, it's 20 to seven."

"In whose favor?" he asked.

Advice to politicians speaking on the campaign trail: "Keep it short for pithy sake."

Strange: Parents spend \$40,000 to put a son through college and all they get is a quarterback.

"I don't think my wife understands me. Does yours?"

"I doubt it, I've never heard her mention your name."

The young couple had gone right from the wedding to the photographer and asked that he rush the proofs to them. When the large envelope arrived the next day, inside were several proofs showing an infant in various poses. The accompanying note said, "Please let me know what size you want and how many."

When a person goes on a diet, the first thing he loses is his temper.