



Q. R. ZEDD ON WAY TO NEPTUNE

A NEW LEGEND BEGINS

(Special to the C&E)

CAPE CANAVERAL -- With shocking suddenness, the greatest ham radio DXer of all time, the one and only Q. R. Zedd, A5A, has been launched into space on an epochal solo voyage to the planet Neptune.

Zedd, holder of our only 1x1 callsign and an inspiration to us all, blasted off shortly after dawn. Alone in his modified Apollo command ship, he is scheduled to reach far-off Neptune in about eleven years. Once there he will use a modified Lunar Excursion Module to descend near the frozen atmosphere of the mysterious planet to probe strange variations in the planetary magnetic field.

The tragedy for amateur radio is that he almost certainly will not be heard from again on our frequencies until the year 2012.

"We hated to sadden the radio amateurs of the world by sending Zedd," the president told the sorrowing nation in a televised address. "But the mission required unprecedented courage combined with engineering genius. Who but A5A could we ask?"

It was only a little over a month ago that Zedd was summoned from his home at Honor Roll Ranch, just a hoot and a holler south of town, to visit Houston and discuss weird patterns in Neptune's magnetic field. Found by the Voyager spacecraft, Neptune's multi-polar magnetic fields trashed most magnetic and electronic theory, not to mention throwing the Jet Propulsion Laboratory into a tizzy.

Zedd, the world's most patriotic man, answered the call. He spent more than two weeks at JPL while NASA worked feverishly (as high as 103.6 degrees, actually) to ready a left-over Saturn rocket and junked Apollo capsule for a possible emergency trip to the fringes of the solar system.

When even Zedd could not make sense out of the Voyager data (two Cray supercomputers had previously failed), it became apparent that someone had to fly out there and get more info first-hand. Zedd, of course, bravely volunteered.

What a sight it was at the launch pad the other morning! All Zedd's closest friends were there.

Tondelayo, his nubile, blond bride, was there. Zepp, his nifty little kindergarten-aged son, was there. Momma Zedd was there. Homer Klott, Zedd's protege, was there. A throng of lesser DX immortals, including Bill Buckeye and Legendary Surf, also attended with tears in their eyes. For whatever you might have thought of Zedd personally (and he was a prince, but it did get tiresome, his winning all the radio contests), you had to admit that this was a stirring moment in the history of the world, not to mention the annals of amateur radio.

Zedd was alone in the command module perched high atop the steaming giant Saturn rocket configuration, for the trip will be so long that every available space had to be packed full of dehydrated food and Coors, leaving no room for other crew.

He will have contact with Houston Control, of course, but even his radio gear was severely curtailed. There was -- tragically -- no room for any ham gear. Our only hope is that Zedd confided to us that he is being allowed to take his digital wristwatch and one paperclip; he may be able to cob up a QRP rig from these components.

But alas, many of the tears at the launch site sprang from knowledge that such may not be the case. This is a horribly dangerous mission, maybe even more dangerous than the time Zedd almost got eaten by the alligator in the Congo. And even at best he was leaving our planet for at least 22 years -- eleven out and eleven back -- years when all of us would be deprived of hearing his fine baritone voice booming out over the airwaves, saying great stuff like "QRZ?" and "QRX!" and "You're outta the band!"

All of us at the launch site were remembering Zedd's career, I think, and perhaps there were as many highlights being recalled as there were tearful radio amateurs on hand.

Surely some remembered his epic radio duel with Bill Blast, operator of the famed Blast Off DX Net, when the fireball caused by competing radio signals melted Blast's travel trailer and 60-foot pop-up towers, leaving Blast a broken man.

For others, undoubtedly Zedd's trip to the arctic will always be a highlight -- that trip when the air was so cold that the rf froze around the antennas, and some of the signal reports did not get out until spring, when the temperature rose enough for them to thaw a bit and fly on off into the atmosphere.

The Mt. Williams expedition -- Zedd's great DXpedition to the pile of dirt on the old Navy base near Interstate 35 north of Norman, will remain a high point for many. Working alone, powering his station with cow power, Zedd worked all-JA in one night and momentarily cornered all the IRCs in the world as hams QSL'd to get his card.

Of course another monument to the great man lies in the history of his being granted the nation's only present-day 1x1 call. Old-timers will recall that the FCC granted this license honor after Zedd eliminated a station in 4-land that was purposely QRMing a rare DX station; Zedd used his own invention to aim his 10-over-10 with uncanny accuracy, and then added his one-of-a-kind computerized system to adjust the *tilt angle* of his antennas to get maximum rf bounce off the ionosphere. This antenna aiming, coupled with Zedd's quick call, using his biggest walk-in linear, had the desired results: the offending nerdly 4, when found by investigators shortly after Zedd's brief call, was quite silent -- permanently. Surrounded by melted towers and radio gear, Mr. QRM looked (in the words of a witness) "like a chicken fried steak in cowboy boots."

History may record, however, that Zedd's greatest feat of all was his activation of the lost continent of Atlantis for DXCC credit some years ago. After the lost continent was discovered by Zedd's old pal, Jacques Cousteau, Zedd organized the greatest DX party of all time and worked everybody on all bands, all modes, from a depth of several hundred meters. (The plastic baggies used to protect operators and equipment can be seen in the Q. R. Zedd wing of the Smithsonian.)

There were so many grand feats! How could we ever hope to

Continued on Next Page

Q. R. Zedd

recall them all?

Thinking these thoughts on launch day, we tried to be brave. Looking up at the monster rocket, we fought our tears. But we could not quite hold back every blubber of self-pity as we faced the horrible reality that this -- for some of us -- was to be the last we would ever hear of the great Q. R. Zedd.

Could we endure it without the constant inspiration that his greatness had given to us all?

We tried to console ourselves with the knowledge that Zedd had worked feverishly all month on contingency preparations to make his long absence as painless as possible for the rest of us mere mortals.

Tondelayo and Zepp, who recently got his Amateur Extra Class, will continue to operate the rigs at Honor Roll Ranch. You know their callsigns. Momma Zedd, of course, will be on all bands, all modes, as always. (She has just a little chirp on her signal, which is how you will know her.) And in a shocking development, Zedd gave Homer Klott a cram course, and Homer has now passed his Advanced. You have undoubtedly already heard Homer on your own rig. He is the one out of the band, telling people they are out of the band; yelling stuff like "Shuddup! Shuddup!" in the middle of pileups; helping good old Blackie find QSOs in progress so Blackie can come in calling CQ DX right on top of them, and the like. Homer also has a laughing machine he plans to use a lot.

So as the countdown proceeded smoothly, he wiped away our tears and tried to convince ourselves that we could endure the next 22-plus years without A5A on the airwaves. We tried hard to believe that life will be worth living while his own golden voice is absent from our beloved ham bands.

We used a lot of Kleenex.

Finally, at 0722 EST, the countdown climaxed. The huge Saturn engines fired. The rocket rose slowly, clearing the gantry tower.

Over the NASA frequency came the voice we all know and love so well: "Roger, the clock has started, CP is seven-point-five, roll program initiated."

Ah, God, he always did have a way with words!

Looking up at the command module atop the fiery fountain in the sky, we thought we saw him raise his

hand to us, and wave farewell.

"Goodbye, Zedd! So long, old-timer! *Bon voyage* and Godspeed! You will live in our hearts forever, where you will always be five and nine!

QSL?

-- KU5B

November 1, 1989

Hey, Joel

Here are some Zedds -- extending through next April's issue.

As you'll see when you read 'em, they're the last. I'm up to No. 100 on the hard disk, which means I've been doing Zedds a long time now. I hate to stop, but I'm going to be making some changes in my life next summer... probably heading off someplace new... and I've sort of run out of column ideas anyway.

Joe, thanks a million for letting me send these in over the years. It's been fun.

73,

Joel
KU5B

March 27 1990

Hey, Jack!

I put off reading this last submission until tonight..... just to hope that it was not so...but I accept your last submission and except for two or three guys who said they didn't like Q.R. Zedd (I can't imagine why) we will all miss you.

God speed to you. It has been a real pleasure to run Zedd for 100 times.

We will expect to hear from you in the year 2012.

73,

Joe
WA5ZNF

**The Only Thing That Is Permanent
Is Change**

KAY KOUNTY

AMATEUR RADIO KLUB

MARCH MEETING NOTES

Boy! We had a super turnout for the meeting at the EOC. There were 20 there which included 3 non-ham visitors and not counting our guests of honor, Norman Coffelt and Harold Fisher. The subject was storm spotting and it was very appropriate, since we'd just had the first rash of severe weather a couple of days earlier. Norman filled us in on some of his department's work this year and plans for the rest of the year. He reminded us of the Spotter Training that will be held at NOC on April 2nd at 7 P.M.

We are also working on a new UHF path that will help us get down to the National Weather Service in Norman better. Hopefully, by the next meeting these plans will be completed.

The club voted to be a sponsor for some local volunteer exams and we also voted to go half with OIAR and put the ARRL books in the local library. There was some discussion about having a swap meet and VE with the Cowly County (Kansas) and OIAR group later this year too. Our illustrious (or is that illustrated?) prez, N5LPZ, invited us all over to his place some weekend in May for a cookout and eyeball QSO. More on this later, stay tuned.

Some plans were made for Field Day this year, it will sneak up on us if we're not careful. Mike N5LPZ and Steve KB5DOR are cooking up some plans, if you have a suggestion, contact them.

Our next meeting will be back at the Vo-Tech on April 19th at 7 P.M. again. I haven't heard what the program will be, why don't you come and find out? I'm sure it will be interesting. We have officer elections in May and I've heard that the wives of our present officers won't let them work again! Any volunteers??

PUBLIC SERVICE EVENTS-

We have several events coming up soon-

The first is a Biathlon on 3/24 and the second is the Special Olympics on 3/31, but I guess those will both be over before this is printed, so I hope you were there!

That's it for this month, see you at our next meeting! Dave KD5FX.

1 AERONAUTICAL CENTER ARC Meets: First Thursday, Flight Standards Building, FAA, South MacArthur 7:30 pm PR Ted Anderson, NY5W 685-4016 SE Doug Teachman, W0DXA 392-5458 AsPR Harold Todd, WA5VAQ 685-3685 AsVP Charlie Greene, WA5JGU 943-5631 Editor Bill Oliver & Luke Ellis 329-6333	13 KAY COUNTY ARC Meets: 7:00 pm, Third Thursday, Sep-May, Pioneer Vo-Tech, Ponca City, OK PR Mike Morgan, N5LPZ 765-9539 VP Marsh Pronneke, WA5UBO 363-2526 S/T Mark Byard, N5OGP 762-1966 Editor Dave Land, KD5FX 762-8616
2 CENTRAL OKLAHOMA VHF Meets: 11:00am 3rd Sat, Favorite's Cafe, 3701 S. Western, OKC PR Jack Muse, WBSZKZ 691-1152 VP Fred Boardman, W5NL 427-2505 SE Joe Buswell, K5JB 732-0676 TR Ellard Foster, W5KE 789-6702 Editor Joe Buswell, K5JB 732-0676	14 CIMMARON ARS Meets: 7:30 pm, Second Tuesday, WK5Y Playhouse, 827 S. 13, Fairview PR Leo Peil, WZ5H (405) 886-2998 VP Vern Brewer, KASSZI (405) 227-3017 SE Dennis Painton, WK5V (405) 764-3599 TR Nadine Painton, N5FMH (405) 764-3599 Editor Jack Day, NN5Z (405) 227-3462
3 MID-OKLAHOMA REPEATER, INC. Meets: First Tues, 8 pm, listen to KASTDA for location. PR Steve Cornman, KB5CDF VP Jim Buswell, N5BEQ S/T Linda Moore, KA5NAV 799-1765 Editor	15 SOUTH CANADIAN ARS Meets: 9:30 am, Second Saturday, Red Cross Bldg, North OU Campus, Norman PR Ken Neptune, KA5EFJ 321-7789 VP Dorinda Skaggs, N5IUA 799-5363 SE Ken Brown, N5KUK TR Ken Esadooah, N5BEW 329-4667 Editor Ken Brown, N5KUK
4 OK CITY AUTOPATCH Meets: 7:30 pm, Third Tuesday, Salvation Army, NW 50 & Penn PR Robert Shaw, WA5BQX 341-4763 VP Jim Bartlett, KA5PSF 359-1299 SE Leonard Hanstein, W5MEL 789-7201 TR Larry Davis, KF5JN 722-4564 Editor Chuck Wilhite, K5NK 721-4926	16 EDMOND AR CLUB Meets: 7:00 pm, Second Monday, See Club Section For Location & Type PR Mark Northcutt, WD5DYI 755-4672 VP Wendell Cochran, WB5ISO 943-4308 S/T Kay Northcutt, WD5DYJ 755-4672 Trustee Dennis Orcut, WB5ISN 340-0034
5 OKLA UNIVERSITY ARC Meets: 7:30 pm, Second Tuesday (Sep-May) 119 Wilson Center, 1334 S. Jenkins PR Frank Donaldson, N5IQJ 329-4172 VP John Wustenberg, KE5N 325-2382 S/T Jim Greenshields, WD5HPU 321-9981 Editor	18 GREAT PLAINS ARC Meets: 2:15 pm, First Sunday, Woodward Public Works Bldg. PR Bob Bayless, WB0GAX (Ft. Supply) 254-3561 VP Windle Hatchett, WA5PLW 766-3561 SE Rod Ford, WB5OVT (Gage) 923-7683 TR Freida Patterson, N5EOX (WDWD) 256-2111 Editor Willis Ridings, N5OO 689-2291
6 ALTUS ASSOCIATION Meets: 7:30 pm, Second Thursday, North Main Fire Station, (CD) Altus PR James Molledahl, KB5LS VP None S/T Mike Schenkel, W5VXU 482-1797 Editor Mike Schenkel, W5VXU 482-1797	19 OKLA INDEPENDENT ARC Meets: 7:00 pm, Second Tuesday Southwestern Bell Offices, Ponca City PR Vernon Treiber, Jr, N5ANV 767-6260 VP Truman Stiner, WB5MRE SE Glenn Coker, N5NFC 762-1221 TR Jim Del Torto, K5FLL 765-6260 Editor Mike Morriss, N5JJR
7 BICENTENNIAL (76er) ARC Meets: 7:30 pm Second Tuesday, 1801 N. Lincoln Blvd., Parking in rear PR Bill Skipper, KB5BS 392-4612 VP S/T Jerry Sproul, N5AUH 354-2061 Editor Chris Everett, KB5GGY 364-6794	20 CENTRAL OK COMPUTER ORG. Meets: 9 am, Second Sat, Midwest City Community Center, Reno & Midwest Blvd. PR Dorothy Roberts 681-5250 VP Patrick Roberts 681-5250 S Donald Fox 733-8480 T Dale Goad 341-8525 Editor
9 WHEATSTRAW ARC Meets: 2:30 pm Second Sunday, Location varies, see Club Section for details PR George Maschino, K5GGL (Okarche) 263-7614 VP N5JWK (Leroy) S/T Joe Garland, WA5FLT (Calumet) 893-2660 Editor Ralph Wilder, WA5PFG (Watonga) 623-5421	CENTRAL OKLA RADIO AMATEURS Meets: 7:00 pm, Fourth Tuesday, Red Cross Bldg, 10 & Hudson, OKC, (Back Door) PR Frank Tassone, AA5GI 341-4945 VP Dorinda Skaggs, N5IUA 799-5363 SE Jim Buswell, N5BEQ TR Tom Mangham, K5LDI 677-5291
11 EDMOND AR SOCIETY Meets: Odd Months, 3rd Sunday, 2:00 pm, Edmond EOC; Dinner, even months, 3rd Fri. PR Tommie Guinn, KA5WAL 341-3886 VP Joel Beasley, KB5FCF 348-1614 SE Don Seible, N5LZE 340-4339 TR Clara Granger, KG5UG 341-2968 Editor	

PLEASE help us keep your information up to date. What time, where, when, who are your officers, editors, and their phone #. Check **YOUR** entry, it can be changed.

If there appears to be a mistake - check with your club official. We can't do anything about it. Below is a sample label.

4 90/01 2
WILSON, MIKE WA5RTY
1234 W 49
MCCLOUD OK 74851

The "4" means Autopatch Club, 90/01 means he is overdue. The "2" is for postal rates.

Copy should be 3 inches wide. If you can not meet that dimension, send it anyway, I will reset it.

H A M H O L I D A Y AND ARRL WEST GULF CONVENTION COMING SOON

LOOK FOR YOUR
PRE-REGISTRATION
FORM
AND
FILL IT OUT

AUGUST 3, 4, 5

CORA Collector & Emitter (USPS 116-150) is published monthly by CORA, INC, 1020 Arthur Dr. Midwest City OK 73110. Second Class Postage paid at Okla City OK. Sub: Cora Member \$4.20, Paid subscription: \$7.00 per year.

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Hi... It's me again, KB5FCF, Joel with yet another article full of news and info for your reading pleasure.

First lets take care of old business. Bill Bunting gave a very good weather spotting seminar on march 6th. I think everyone was surprised at the much larger than expected turnout. I was also pleased at the large number of EARS members there. I hope everyone learned as much about weather spotting as I did. This seminar came none to soon as the weather outside turned bad while we sat inside learning about it. Some of the spotters had to leave during the seminar to keep an eye on the weather.

We also were involved in two search and rescue events both involving elderly persons. Thankfully both were found in fine health, one by an EARS member. These are of very short notice and Thanks to everyone who helps with this type of thing. One of the search and rescue was the same night as the weather seminar and the severe weather. I think that is known as Murphy's Law.

Again this year EARS helped with the St. Patricks Day Parade. Most everyone met for Breakfast at Hardee's and then Phil, N5HIP gave everyone there assignments from there. The staging area began to fill up with parade entries and we drove the parade route in my truck checking things over and setting up baracades. Then that darn Murphy struck again when we discovered there was no electricity on the review stand for the PA system. Lee, KASWIS drove back to Edmond and got a generator to run the PA system on. The rest of the day went pretty smooth and the parade was much bigger than I had expected. As always, thanks to everyone who helped with this parade.

Now on to new business, Mike Mize, KB5BIX needs some help at the EOC during weather nets. He can only do so many things at the same time so if you can help please call him. Also if anyone needs to use the

club station you will need to contact Mike, KB5BIX or myself as the keys have been temporarily pulled from the police station.

Next lets mention meetings for April. The board meeting will be April 9th, 7:00pm at the EOC. As always it is an open meeting and anyone interested is invited to attend. The EARS Dinner meeting will be held at Shotgun Sams Pizza just south of 39th and May, at 7:00pm on April 13th. I hope to see everyone there.

Other coming events include the Bike-A-Lion on April 29th, and the Route 66 Walk and Putnam City Fun Day, both on May 12th. Listen to the Monday night nets for more information on these events. Also mark them on your calendar as we will need plenty of help for them.

Now time to mention a favorite event of mine, The spring Hamp-Out. I hope everyone will join us in Lawton OK. April 20th, 21st, and 22nd. We will be staying at the Doris Campground on the Wichita Mountains Wildlife refuge in Lawton. The 1990 Lawton-Fort Sill Hamfest will be Saturday April 21st at the Comanche County Fairgrounds in Lawton and makes an excellent excuse to go down and camp out. The Doris Campground has primitive campsites as well as campsites with electric hookup and RV slabs. If you plan on going please let me know so we will have some idea of how many people will be there.

Last on my list for this month but certainly not least is payment of your club dues. Most of you have probably done this already so you may go for snacks now. But for those who havent, the cutoff date is May 1st. After that day you will be pulled from the EARS roster and your autopatch slot as well. I tried to make that as light as possible but what can you expect from an amateur writer, HI HI.

Well... I hope I didnt forget anything or put you to sleep. I'll see you on the air. TU & 73

KB5FCF, Joel

CIMARRON

CONTINUED

interest in Packet and there is certainly a great need for a local Packet station, as Wx, CD, and Disaster Relief is becoming more and more dependent on Packet!

The Mooreland Eyeball Ham Fest was discussed. The date of this event is April 7 & 8th. CARA usually is well represented at this gathering as the Great Plains ARC always does it up right!

The meeting was attended by a faithful twelve. N5LBN Jack Kelly, KAS5ZD Vern Brewer, N5KNK Bob Haigler, N5KPK Ernie Martin, NN5Z Jack Day, WZ5H Leo Peil, AB5Z Ray Barnes. WK5V Dennis Painton, WX5Y Ruth Simpson, KASRTW Betty Day, N5FMH Nadine Painton, and N5MLT Terry McColl.

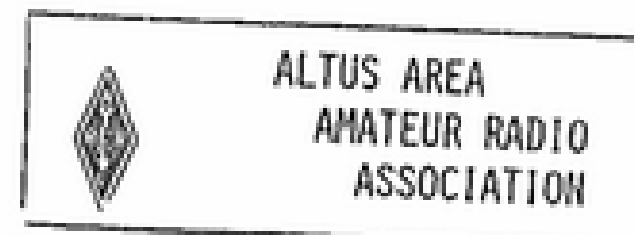
Terry, by the way, is about to receive a new EXTRA CLASS license and has really been using his new privileges. His DX record is remarkable and someday may challenge our champs...Ray and Leo! It was especially notable that many of his contacts are eastern Europe countries that are really using their new privileges in Ham Radio. Poland, Russia, Hungary, Yugoslavia, and Bulgaria was all logged by Terry, as well as many many of the more usual QTH's.

The Oklahoma Baptist Disaster Relief Hams are planning on having their eighteen wheeler Disaster Relief Van at the Oklahoma Ham Fest as a demonstration of Amateur Public Service! The radio station will be activated on both HF and two meter. They are also planning on a church service at the Ham Fest sunday morning. It will be essentially non-denominational and every one will be welcomed. Standby frequencies to be determined at a later date!

This editorial effort has essentially been that of making a dollar out of fifteen cents. It is to be hoped that more contributions to this column will be forthcoming in the next month! Investigative reporting is not my gift!

At any rate, dont forget our next meeting...the twelfth of April, at the WX5Y radio shack and play-house! BE THERE OR BE SQUARE!!!!

73's....NN5Z



ALTUS VE EXAMS

The Altus Amateur Radio Club conducts ARRL/VE Exams on the Second Saturday of each QUARTER, 12:30 PM at the North Main Fire Station and walk ins are welcome. April 14 is the next exam date here.

The Oklahoma Comm Center will be closed on the following dates during the HAMFEST season:

APRIL 6 - CLOSED AT NOON (Mooreland)
APRIL 7 - CLOSED ALL DAY (Mooreland)

APRIL 20 - CLOSED ALL DAY (Little Rock & Lawton)
APRIL 21 - CLOSED ALL DAY (Little Rock & Lawton)

MAY 18 - CLOSED AT NOON (Green Country in Tulsa)
MAY 19 - CLOSED ALL DAY (Green Country in Tulsa)

JUNE 8 - CLOSED ALL DAY (HAMCOM in Dallas)
JUNE 9 - CLOSED ALL DAY (HAMCOM in Dallas)



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Saturday, April 7TH 12:00 a.m. till ???
Sunday, April 8TH 9:00 a.m. till ???
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VE Testing Saturday, April 7TH, starting at 2 p.m.

Directions: North on Main or Elm Street. Across the tracks and West just 3 blocks to city park. Shuttle service from Mooreland Airport.

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Covers Both Days

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Dinner 12:30 P.M.

Talk in

146.52

146.13/73

147.72/12

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Gerry N. Ford
256-5342

NZ5T Bart
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994-5940

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BANQUET ON SATURDAY EVENING

Programs begin on Friday evening and continue through Sunday morning. VE testing will be conducted on Saturday & Sunday, so come ready to upgrade. We will have our public access demonstration room featuring the latest technology in Amateur Radio, as well as the old favorites. Also, child care will be available at Ham Holiday. To reserve a Place for your youngster, since space is limited, contact Dorinda Skaggs, 799-5363, by July 15, 1990. As usual, the ladies will have a fabulous program. In addition to technical and non-technical programs, there will be the yearly meetings of the various organizations common to Amateur Radio — Packet, MARS, Oklahoma Repeater Society, Inc. Sunday Morning Worship will be sponsored by the Oklahoma Baptist Hams. Again this year some of the largest dealers in the Southwest will be at HH90. The Flea Market will again be upstairs in the BIG convention area. Plan now to be ready to buy that rig or antenna that you've always "needed". Informal breakfast Saturday and Sunday mornings. Lunch/Sandwich Bar on Saturday. Talk-in is on 147.03 + and 444.20 + (PL is 141.3).

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MUST BE POST MARKED BY JULY 24, 1990



VHF Club NEWS

W5LOW
*The Elmer Gosler Memorial
Station*

Minutes of March Meeting

Meeting was called to order at 12:00 p.m. by president Jack, WB5ZKZ, with 22 members and guests present. February meeting minutes were approved as published in the C&E. After Ellard, W5KE, gave his treasurer's report, a motion passed that his salary be doubled!

Fred, W5NL, advised us that Steve, W5VCJ, was in Mercy Hospital with heart rhythm and circulation problems. We circulated a card for Steve and are wishing him a quick recovery.

There was no new business so the meeting adjourned at 12:08 p.m. so Joe, N6CL, ARRL Section Manager, could brief us on his latest activities. One item of particular note was his chance contact, and follow-up, regarding the Southwestern Bell Telephone Co. business rates on repeater autopatches. He phoned one of the local radio stations during a talk show and made the case for the radio amateurs. The show's guest was Robert Butkin, Oklahoma's Assistant Attorney General. Mr. Butkin and Joe had a subsequent discussion and they made plans to meet with Bob Anthony, chairman of the Corporation Commission about the matter. Larry, W5NZS, ARRL Legislative Liaison is planning to participate.

Joe also discussed some of the points of the FCC NPRM on the Communicator class license.

Also, after the meeting, Bob, W5HXL, showed us a G rated video tape from Epcot Center, in Florida. He advised that it takes a minimum of six days to see the sights there (alternate days touring and loafing). Thanks Bob, for bringing in the tape. Joe, K5JB, Sec'y

IC-27 House Call

I so seldom do any hardware hacking anymore, I lack hardware things to write about, but this month I have a little tidbit about a repair job on my Icom IC-27. It is kind of trivial, and of interest to probably less than 1 percent of you, but here it is.

I have had two IC-27 volume controls fail. I don't know if this is a weakness

or not. The first one failed in conjunction with a lightning hit so I assumed it was caused by the hit, which scrambled the display, and nothing else. The volume control was intermittent and I assumed there was a burned spot in it. I sent the rig to Icom for repair and it was several weeks returning because Icom said they had to wait for the volume control.

When the second one started acting up by becoming intermittent, I tried some control cleaner, which did no good. Whenever it acted up, that packet circuit was dead; I just jostled it until it presented more or less correct volume to the attached packet TNC. Over the last couple of months, the problem started coming back so often that Mac, K2GKK, gave up leaving me polite messages about the BBS being down on .05.

Finally, when I felt in a tinkering mood, I disassembled the radio to get at the control in preparation for replacement. Disassembling the front of the radio is fairly obvious except for the tuning knob. After prying, pulling, and peeking, I discovered that the rubber cover slides off revealing a (metric) allen set screw. Pulling the front of the radio free with all the wires attached requires a little bit of care to prevent any of the wires from breaking loose. I only had to disconnect one plug, which happened to be the one carrying the volume control signals to the main board. This was convenient for testing and verifying the control's (in)operation.

Once I had exposed the volume and squelch controls and the little circuit board that held them, I did a little more squirting with control cleaner (non-lubricant), which did no good. Finally, I unsoldered the control from the little board.

Once it was in my hand, my curiosity didn't stop there. With the Dremel and an end mill, I removed the upset heads from two rivets that held the volume control and on-off switch together. The back end of the control shaft had a tiny "E" ring that I removed with a needle. With it removed I could then carefully disassemble the thing, noting the order of various parts and keyways. The potentiometer part of the assembly contains a resistive track and a tiny brush that looks like a garden rake. This brush had become detached from a plastic disk. It looked like (under the jeweler's loupe) that it was placed over two little posts which were possibly melted to hold it in place. There wasn't

enough of these two posts to do any repair so I cleaned everything up with alcohol and glued the brush to the disk with Eastman 910 (super glue). This was the most tedious part of the task because any of that adhesive getting where I didn't want it would render the thing useless. I applied the glue with a needle while working under the loupe.

Before I put the pot back together, I squirted it with some tuner cleaner containing lubricant, blotting up the surplus. Without the lubricant, I would imagine the little carbon trail wouldn't last very long.

As they say, re-assembly was the reverse order of assembly. I had to be careful to get the switch, the pot wiper, and the shaft key-ways into proper synchronization so the pot wiper didn't try to run over the ends of the resistive strip, and the switch still worked. After test with an ohmmeter, I reinstalled the two rivets. The rivets probably aren't required because the control isn't coming apart once it is soldered to the circuit board, but it was simple to upset the ends of the old rivets with a center punch and have a solid assembly again. Re-soldering the control, installing that little circuit board, and re-assembling the radio probably didn't take ten minutes.

I am just as happy with this repaired control as I would be with a brand-new replacement from Icom, maybe more so since I "did it myself". If it screws up again, I will probably just order the replacement and have it on the bench when I start the disassembly process. Once my curiosity is satisfied, I have no desire to repeat the process, if you know what I mean! Joe, K5JB

Hamfest Season's Here!

Aha! It is spring and time to start taking in the Hamfests.

As a practice and limbering up session for Dayton, I am going to be able to extend a business trip to Washington over the weekend and take in the Timonium hamfest (or rather one of the three they have in the summer time at the fairgrounds in Timonium MD. Can you imagine that? Three in just one place -- paradise!)

Then, at the end of April, we will make the annual trek to Dayton to the mecca of flea marketers and brousters. The International Order Of Krazies has its get-together planned, we have our

plane tickets and lodging, and we are ready!

I have slowed down somewhat from an earlier pace that sometimes allowed me to attend as many as seven major hamfests in a single year. With this one, the one in Dayton, the one in Dallas, and of course, Ham Holiday, I am able to satisfy my hamfest yen.

This year, to get to Dayton, we are using a special rate of \$88 round trip to Indianapolis and driving the rented car to Dayton from there, about 100 miles one way. For the transportation cost savings, the drive will be worth it, I think. Hoo Boy! I am ready! Joe, K5JB

Personal Emergency Locator Transmitter Service

Ken, K5VVZ, provided me with some information that was mailed to him from L-Tronics, the maker of Lil-Elper direction finders. It described parts of FCC NPRM 89-342 in PR Docket 89-599, regarding PELTS, a Personal Emergency Locator Transmitter Service, proposed to occupy parts of the 220-222 MHz band. The proposal was submitted by K.J. Seymour of Beaverton OR.

His proposal would consist of base stations installed and operated by government entities and private search and rescue organizations, and portable units carried by individuals. The portable (or mobile) units would have 10 channels (5 frequency pairs) in the 220-222 MHz range, including voice capability. One channel would be for a homing signal, another for broadcast of trail and weather conditions, two frequencies for two way communications with the base station, and four other channels to enable users to communicate with other PELTS users in the area.

Licensing of the base stations would be to government agencies and search and rescue groups. Mobile/portable licensing would either be through a fleet license with the base station, or may not be required at all.

The L-Tronics information continued to address issues of interest to the search and rescue community. The point that should draw the most interest of amateur radio operators is the use of 220 MHz. I presume that this NPRM has been widely publicized since deadline for comments is March 20 (reply comments April 19) but I was not aware of it. It is too late to make the March 20 deadline, but if you have

some considered comments to make to the FCC, you ought to do it anyway. (Usual procedure is to send an original and four copies to the Office of the Secretary, FCC, Washington DC 20554.) Joe, K5JB

Weather Spotter Training

This 1990 Spotter Training Schedule, Updated 16 March 90, was prepared by Ken, N5KUK and Gary, WB5ULK, and posted on the area packet bulletin boards by Mac, K2GKK.

Bill Bunting, Warning & Preparedness Meteorologist from the National Weather Service forecast office in Norman will be conducting spotter training talks in the following locations. Most talks will begin at 7 p.m. Further information can normally be obtained from local civil defense officials in the community where the talk is to be held.

March:

19-El Reno, 20-Lawton, 26-Clinton, 27-Taloga, 29-Duncan

April:

2-Tonkawa, 3-Lahoma, 4-Medford, 5-Burlington, 9-Woodward, 10-Buffalo 11-Reydon

These dates are firm as of the date posted but may be subject to change. Changes will be posted here when the are known. de N5KUK

P.S.: For those of you who have been helping the NATIONAL WEATHER SERVICE for the past few years, a hearty thank you from us and the forecasters here in Norman. As you are well aware, the NATIONAL WEATHER SERVICE serves the public and not itself. Reports made here are passed on to all end users, not just a selected few (or one). Again, THANKS!!! de WB5ULK...

Radio Moscow QRT on 40?

Here is an observation from Clif, WA7MAD @ WB9MJN, and forwarded by Mac, K2GKK:

Has Radio Moscow finally decided they are in the wrong to broadcast to North America in the 40 meter ham band? I have listened to RM for years and for some time the best freqs were 7115 and 7150. Suddenly last week they were gone. I checked the entire 40/41 meter for several nights and they are nowhere to be heard. Initially I figured that an eastern European country might have decided to pull the big switch on a relay xmtr.

PASSPORT TO WORLD BAND RADIO shows that 7115 is used as a relay from Bulgaria but 7150 is from the USSR itself. Cuban relays and USSR originated transmissions are still active on other bands. Many years ago I wrote the VOA complaining of their transmissions in the 40 meter ham band and they replied that it was perfectly legal to broadcast FROM North America but not TO it on 40. Has RM now seen the light?

Don't worry! The band is still noisy with other stations transmitting to areas outside NA but every improvement is welcome! 73, Clif, WA7MAD

Who are Those Guys?

Here is one for your, "Always wanted to know but too shy to ask" department (from WK4E @ W4DPH, again provided by Mac, K2GKK):

FEDERAL COMMUNICATIONS COMMISSION, WASHINGTON, D.C. 20554
MAR 01, 1990

Mr. Bruce Bush
1729 Grove Drive
Clearwater, FL 34615

Dear Mr. Bush:

Your letter requesting information about the amateur service has been referred to this Branch for reply. You request a ruling, clarification or definition in response to a number of questions.

Your first question asks whether a control operator must be present at a station in Antarctica when it is transmitting on the amateur service bands. We cannot provide the ruling you request because these stations are not regulated by the Commission. Rather, the operation of amateur stations KC4AAA, KC4AAB, KC4AAC, KC4AAD, KC4AAE and KC4AAF from Antarctica are under the jurisdiction of the National Science Foundation (NSF). All inquiries about the operation of these stations should be directed to the NSF at the following address:

National Science Foundation
Electromagnetic Spectrum
Management Unit
Room 618, 1800 G Street, N.W.
Washington, D.C. 20550
Attention: Dr. Tomas Gergaly
Telephone (202) 357-9696

The operation of amateur stations KC4USA through KC4USZ from Antarctica is under the jurisdiction of the Department of the Navy. All inquiries about the operation of these stations should be directed to the US Navy at the following address:

Office of the Chief of Naval
Operations
Room 5A678
Pentagon (OP-941F)
Washington, D.C. 20350-2000
Attention: Mr. William J. Cook
Telephone: (703) 695-7503

Your second question requests the Commission's definition of a "common carrier". This term is defined in Section 3(h) of the Communications Act of 1934, as amended, 47 U.S.C. 153, as: any person engaged as a common carrier for hire, in interstate or foreign communication by wire or radio on in interstate or foreign radio transmission of energy, except where reference is made to common carriers not subject to this Act: but a person engaged in radio broadcasting shall not, insofar as such person is so engaged, be deemed a common carrier.

Your third and fourth questions relate to the legality of phone patching and the use of the amateur service as an alternative to international telecommunications services. Amateur stations licensed by the Commission that are interconnected to a telephone system are subject to the rules that apply to the general operating standards of all amateur stations. Sections 97.111, 97.113, 97.115 and 97.117 of the Commission's Rules, 47 C.F.R. 97.111, 97.113, 97.115 and 97.117, provide for authorized transmissions, prohibited transmissions, and third party communications. The general answer to your question, therefore, is that such communications are permissible, subject to these rules.

Lastly, you ask the Commission to define "self-policing". The concept of self policing is a concept that the amateur community has repeatedly used when requesting relaxation of the Commission's Rules. Although the Commission relies upon the ability of the amateur community to police itself, it has not defined self-policing.

Thank you for your inquiry.

Sincerely,

John B. Johnston
Chief, Personal Radio Branch

Emergency Radio Equipment Checklist

The following list prepared by David, KB6JAW @ N6QMY, and forwarded for your use by Mac, K2GKK. With the storm season upon us, it might be handy for checking out your list of available equipment. In addition to this list, don't forget items like, flashlight, spare batteries, any items of personal nature you might need (like foul weather gear), and tools to make minor repairs if necessary.

Choose from the list those items that lie in your particular area of interest:

****RADIO EQUIPMENT****

- ☐ HF radio
- ☐ HF linear amplifier
- ☐ HF tuner
- ☐ 6M radio
- ☐ 6M linear amplifier
- ☐ 2M handheld radio
- ☐ 2M mobile radio
- ☐ 2M linear amplifier
- ☐ 220 MHz handheld radio
- ☐ 220 MHz mobile radio
- ☐ 220 MHz linear amplifier
- ☐ 440 MHz handheld radio
- ☐ 440 MHz mobile radio
- ☐ 440 MHz linear amplifier
- ☐ VHF/UHF scanner
- ☐ general coverage radio
- ☐ broadcast band radio
- ☐ AC/DC TV
- ☐ handheld microphones
- ☐ desk microphones
- ☐ key/keyer
- ☐ external speakers
- ☐ headphones
- ☐ audio adapters
- ☐ antenna tuner
- ☐ SWR/power meter
- ☐ frequency counter
- ☐ dummy loads
- ☐ antenna switch
- ☐ TNC
- ☐ terminal/computer
- ☐ printer
- ☐ 300/1200 baud modem
- ☐ portable tape recorder
- ☐ audio tapes
- ☐ audio patch cables
- ☐ camcorder
- ☐ spare batteries
- ☐ video tape

- ☐ ATV transceiver
- ☐ monitor
- ☐ equipment manuals

****ANTENNAS****

- ☐ HF wire antennas
- ☐ HF beam antennas
- ☐ HF vertical antennas
- ☐ 6M beam antennas
- ☐ 6M vertical antennas
- ☐ 2M beam antennas
- ☐ 2M vertical antennas
- ☐ 2M magnet-mount antennas
- ☐ 2M rubber duck antennas
- ☐ 220 MHz beam antennas
- ☐ 220 MHz vertical antennas
- ☐ 220 MHz magnet-mount antennas
- ☐ 220 MHz rubber duck antennas
- ☐ 440 MHz beam antennas
- ☐ 440 MHz vertical antennas
- ☐ 440 MHz magnet-mount antennas
- ☐ 440 MHz rubber duck antennas
- ☐ 25 ft. RG-8 coax with PL-259 connectors
- ☐ 50 ft. RG-8 coax with PL-259 connectors
- ☐ 100 ft. RG-8 coax with PL-259 connectors
- ☐ 25 ft. RG-58 coax with PL-259 connectors
- ☐ 50 ft. RG-58 coax with PL-259 connectors
- ☐ 100 ft. RG-58 coax with PL-259 connectors
- ☐ RG-58 patch cables
- ☐ RG-8 patch cables
- ☐ UG-225/U BNC to SO-239 adapters
- ☐ N to PL-259 adapters
- ☐ SO-239 barrels
- ☐ UG-29 Type N barrels
- ☐ spare PL-259 connectors
- ☐ pushup masts
- ☐ guy wires/ropes
- ☐ turnbuckles
- ☐ stakes
- ☐ ground rods
- ☐ ground clamps
- ☐ ground braid
- ☐ ground wire/radials
- ☐ insulators
- ☐ baluns
- ☐ monofilament w/ weights
- ☐ rotor
- ☐ rotor cable
- ☐ rotor control box

73 de David KB6JAW @ N6QMY

THE BIG SIGNAL

OKLAHOMA CITY AUTOPATCH
ASSOCIATION, INC.

NEW RADIO ON THE MARKET

Over the years, I have owned many different radios, ranging from old Johnson Rangers, Swans, Heathkits, Drakes, Hallicrafters, you name it, I have had a bunch. As of late, I have settled down to two favorite brands, that being Icom and Kenwood. These are both fine radios and each one has many features that I like over the other. There are some features that neither one has that I would like in a radio, but until recently, you just couldn't have everything you wanted.

I was sitting around one day playing with my radios and the thought came to me that perhaps Icom and Kenwood engineers could get together and come up with the ultimate radio. So, I made a couple of phone calls, one to Yuroshima Saki of Icom and Yokohama Terriyaki of Kenwood to see what they thought about the idea. They agreed to do so and asked me if I would be interested in field testing their prototype model.

A few weeks ago, UPS delivered this package to me from Japan and inside was the most beautiful radio I had ever seen, a brand new Kencom 770. I could hardly wait to see what they had come up with. After looking it over and spending a couple of hours reading through the manual, I had decided that undoubtedly, they had come up with the ultimate radio.

Every feature that I had asked for was built into the radio. It had a general coverage receiver from 1 KHz through 10 GHz. All amateur bands are available. All modes of operation are permitted, AM, FM, CW, SB, RTTY, Double Sideband, Inverted Sideband, Moonbounce, ASCII, Amtor and whatever FCC allows.

The front of the cabinet folded down and at my finger tips was a keyboard for the built-in computer with a 70 meg. hard drive. The KAM all mode TNC, which is also incorporated into the radio, works beautifully on both h.f. and v.h.f. packet, rtty, amtor, ascii, and of course c.w. It has all kinds of nodes and even a digipeter built in.

C.W. operation with the rig is something to behold. One can use either the computer keyboard or built-in keyer. A nice pair of 24 carat gold

Bencher paddles is included. The built-in color monitor displays all the functions of the rig as well as copying the received signals on c.w., packet, rtty, etc. A variable c.w. filter is used for controlling QRM. The normal operating width of the filter is 1 KHz, however, as QRM increases, the filter can be varied to any width one desires, in multiples of 1 Hertz.

Another feature for those too lazy to type on the keyboard or use the paddles, is a voice synthesizer device which translates audio into c.w., rtty, amtor, ascii or packet. All one has to do is speak in a normal manner, the synthesizer deciphers this and translates it into whatever mode you desire to operate. It will also operate in the reverse mode. If you are too lazy to read the monitor, it will process any mode you are working into voice, which has the sound of a sweet young Miss America type lady.

One feature I have found to be very useful is the filter system which allows the operator to block out all stateside signals or dx stations, which ever is desired. If you are only interested in working dx and don't want to hear the stateside signals, no matter how strong they are, all one has to do is put the right filter in. Likewise, if one doesn't want to be bothered by dx stations calling, put in the dx filter and the only stations one will hear are those in the states. If one desires to work ssb on 10 meters, it has a filter to knock out all 1010 numbers.

The built-in solar battery system allows the operator to use the radio in all portable situations without using alternating current as a means of power, that is as long as the sun is shining. The telescoping antenna works on all bands. As the radio is tuned to a certain frequency, the antenna automatically raises or lowers itself to the desired height. There are no tuning coils in the antenna. Even though it is a vertical antenna, it is directional and has a 15 db gain. The revolving 3 inch satellite dish which pops up from the top permits working moonbounce.

The built-in color monitor acts as both a receiver and television camera. One is able to operate both slow scan and fast scan television on all frequencies where ATV is permitted.

The radio has a security system installed to prevent someone walking off with it when the owner is not

around. A secret code can be put in which will call 911 in case the radio is moved without the alarm system being first turned off. This is easily changed by using the computer system. If the radio is moved by unauthorized personnel, the call-sign of the owner is transmitted on a frequency not detectable by the human ear, and with the directional finder supplied with the radio, the owner can very easily track down his radio without the thief knowing anything is going on.

One nice feature about the radio is the automatic QSL program. Stored on the hard drive are current listings of all amateurs, both foreign and the United States. This program is updated weekly by the FCC. As soon as a station is worked, a QSL card is automatically printed out giving all the pertinent information on the card such as signal reports, etc. An added feature is the automatic logging system which keeps an accurate record of all contacts made, including date, time, mode of operation, etc.

After using the radio now for the past few weeks, I can truthfully say that it is a dream to operate. For those who have a preference, I have been advised that it will come in two models, the Kencom 770 and the Comwood 780.

There is only one catch to owning one of these radios. In order to operate the radio, a person must have an extra class license and his callsign must contain the numeral "5". The computer program which controls the operation of the radio will not function with any other number in a callsign.

The companies have asked me for a recommendation for someone to be their local distributor. After giving this serious consideration, I have recommended KI5BT. Anyone that might be interested in owning one of these fantastic radios, give Greg a call at 599-1234. K5NK

CYNOAK PRINTING

9105 N. COUNCIL RD.
OKLAHOMA CITY, OK 73132
728-3610

RUBBER STAMPS
QSL CARDS !

The South Canadian Amateur Radio Society

The March meeting of SCARS was held on the tenth at the Norman Red Cross, as usual. The meeting was called to order by Ken, KA5EPJ at about 9:45. About 24 members were present. Treasurer Ken, N5BEW announced that there was about \$1410 in the account and \$220 in the repeater upgrade fund. Secretary Ken, N5KUK stated that the minutes of the January meeting were published in C&E.

N5BEW also announced there were autodial slots available on the repeater and he could be contacted after the meeting to assist any member in getting a autodial slot assigned.

Andi, WU5W, announced that there would be a bicycle race on the weekend of April 21-22 and about two dozen or so operators would be needed. Please contact Andi or Steve (329-0203) if you can help.

The Mini-Baha was mentioned for continuity purposes.

KB5ABS reported that the CORA preparation for Ham Holiday was progressing well with several dealers confirmed. Also, a prize of an ICOM-2SAT talkie has been donated as the drawing prize for the scholarship fund.

This being Tornado Awareness Week, the ARRS report consisted of the introduction of the Norman Civil Defense director, John Dutch, N5OQY and the Cleveland County Civil Defense Director, George Mauldin, N5KFE. Ken, KA5EPJ, the Cleveland County ARRS director requested assistance with getting operators for the net station at the NWS office. Bill Bunting, the Warning and Preparedness Meteorologist for the National Weather Service Forecast Office in Norman spoke to the group about the necessity for having trained spotters to report storm conditions back to the NWS forecasters and the need to have radio operators at the NWS office to maintain contact with various weather nets around the state.

There was a door prize drawing but I was not paying attention to what it was or who won it. The meeting adjourned at 10:07. Ken, N5KUK

We need amateur radio operators to provide communications support for a major bicycle race. The event is the 89r Stage Race to be held in Norman, Oklahoma on the weekend of April 21-22, 1990. The race has three stages: a time trial early Saturday morning, a road race Saturday afternoon, and a criterium Sunday afternoon. We particularly need hams that have pick-up trucks to be part of the road race caravans, and hams that are "morning people" who don't mind being up at the crack of dawn for the time trial. If you would like to help please call Steve Wolfe (N18W) or Andi Wolfe (WU5W) at (405) 329-0203.



March 11th meeting was hosted by Calumet amateurs at the City Hall. There were 3 visitors and 29 members present. Visitors were KA5BID Roger, KB5KVX Toy, and W5NEN Charles. Toy and Charles were born and grew up in Watonga. It was great to have all three of you, welcome back any time. Roger has recently up-graded to General but has not received his new call yet. Congratulations Roger. Toy and Charles are now living in the Norman area.

Other than club discussions, K5GBN Johnny made a motion that the April 8th meeting be held in the caravan while mobiling to the Great Plains ARC Eyeball QSO at Mooreland. The caravan will gather at McBee's Steak House parking lot, and leave Watonga at 8:30 Sunday morning. Any one who would like to join us is welcome. When we leave Watonga we will mobile on 146.52 Simplex. We usually pick up the Canton area Hams at the junction south of Seiling, then others join at Seiling. Come along, you will enjoy it.

N5IKN Tom had a video he made of the rescue of a young man in Calumet some time back. A crew had drained the water tower and was cleaning the inside of the tank. The wind was very high that day. The young man was on top working at the opening. A puff of wind blew him loose, falling into the tank. Before he hit the bottom he caught to an iron brace. The fall bruised him up and hurt his shoulder. Several rescue departments were there to help, including the fire dept. from El Reno. They had a large truck with a long ladder on it. When the man got out of the tank he had to be worked down through the electric wires, trees and such. We are glad the person was not hurt worse. A good job on the film Tom, Thanks.

Our host showed another film about AT&T working with an optic fiber cable. The way I understand it, it's a glass fiber product which has been used for telephone and computer systems. It is a multiple cable using a laser beam for power. The company is in the process of building a computer that is ten times stronger than any other built to date. These cables can transmit and receive at the same time. In a matter of seconds a business can receive a number of services without leaving the business or their home.

HELP WANTED

When the meeting adjourned we were served refreshments like you have heard about. Thanks to the ladies.

Writing about Wheatstraw members I asked N5IKN Tom to write me some notes or an article to print about he and N5ING Bertha. Some I have interviewed, others gave me notes etc. Tom wrote an article of their lives before Amateur Radio. Both have licenses. Here is Toms article.

My name is Thomas Freeman Johnson. I was born in Geary OK on Jan 4, 1913. Mother and father were Lida Giddings Johnson and Austin Johnson. Bertha Leu North was born SE of Geary. Her parents were Ethel Baker North and Leu North. Bertha attended grade school in the country school at Fairview.

I met Bertha when we entered high school. We graduated from Geary High School in 1932. During the depression we were married on Oct 28, 1935. As we had no regular jobs, we must give our folk credit for supporting us. I got a part time job working for the Rock Island RR treating water for the steam engines for \$25 per month.

On Feb 7, 1937 the company sent me to Marion KS as there was a permanent (??) job pumping and treating water at Marion and Whitewater. So we moved to Marion and lived in a one room apartment for a while.

Then we got an apartment with three rooms, up on a hill, on the East side of Marion. It was here that I gave up Camels to buy a car (a 1927 four-door Chevrolet). We paid \$5 per month for seven months.

Then our supervisor said we should move to Whitewater, a small town with no water system or sewer. We lived there and worked both stations, commuting by train. Then diesels came along and treated water was no longer needed. While in Whitewater Bertha gave me a beautiful daughter with black hair. We named her Alice Jane. It wasn't long before her hair was honey blonde. Then with no water to treat we moved back to Geary with folk, and no work.

Shortly we moved to El Reno and worked a part-time job for 56 cents per hour. In September a signal construction gang moved into El Reno. I got a job with them. This meant that I would be away from home for a month at a time. While working in Iowa Bertha gave me a son, Tom Austin. I wanted my family with me so when Tom was a month old we drove our old 1935 Chevy to Hampton IO, where we lived in a cabin.

Then the RR sent us to Arkansas to install an automatic block signal system from Brinkley to Memphis. Here we lived in an apartment, in Forrest City, till the job was finished. We were there when the Japs attacked Pearl Harbor. The only copy was by radio at that time -- no TV. The gang was laid off and the boss told me to ride outfit cars to Mokena IL, so again we moved, this time to Mokena. I worked this job until 1943 when I bid a job in at Yukon. We lived in El Reno and commuted by Okla Interurban RR (a street car). Sometimes I drove my parents car. Tires were rationed so we had to get a permit to buy them.

Then came a very sad time in our lives.

CONTINUED →



CORA

BICENTENNIAL AMATEUR RADIO CLUB
"To Promote Radio Communications"

Our daughter had Leukemia and we lost her after five years, four months and twenty one days. About this time I got bumped from my job, so I went to a construction gang in Texas where we were installing a centralized traffic control system between Ft. Worth and Dallas.

We tried to live in Irving for a while. About this time the RR started construction of a central traffic system between El Reno and Herington KS. This moved me back to the north country to work on something newer. When the control machine was installed at Caldwell KS I successfully bid that maintenance job at Caldwell.

We moved there and stayed until 1954 when we moved to Wellington KS. We lived there until Sept 1966. I was sent to Liberal KS as an assistant supervisor. My territory was then Kansas City to Tucumcari NM. By this time our boys were married so Bertha and I were alone again. Bertha worked at Seward County Treasurers office on account of me being on the travel so much. The Signal Supervisor at El Reno passed away so I came to El Reno as Southern Division Signal Supervisor. I was glad to come as my mother and Bertha's folks were here.

I then retired in 1977 after 41 years with the RR. In 1979 I got my Novice license. We joined the Wheatstraw Club as the only Novice in the club. We have enjoyed the good fellowship here which means LIFE to us.

Our sons gave us 6 grandchildren and 4 great grandchildren.

Thomas F. Johnson

NSIKN Tom and NSING Bertha are spending a lot their time attending Amateur meetings, going to hamfests and on the radio. Tom enjoys the fellowship. He checks into several nets, too many to name, copying all ARRL bulletins and reading them to nets. He is active on HF, 2 meters and packet, handling traffic at every opportunity. His call and voice is known all over the country, making lots of friends. Tom and Bertha, may your Amateur radio with all of its joys continue for many years. Its been a pleasure to know the two of you.

(73) WA5PFB Ralph.

★ ★ THIS IS A ★ ★
FREE TICKET

IT'S NOT GOOD FOR ANYTHING
 . . . IT'S JUST FREE . . .

Compliments of
 CORA Collector & Emitter

MINUTES 27 FEB 1990

The meeting was called to order at 7:08 pm with President Frank in the chair and the following Directors and Guests present:

ACARC-Ted Anderson, Tom Mangham. OCAPA-Jim Bartlett, Lee Allen, Chuck Wilhite. 76ers- Jerry Sproul, Jim Buswell. MORI-Ellard Foster. EARS-Steve Hamlin. SCARS-Donald Schader. C&E-Joe Harding. Visiting were: Toy Graham KB5KVX, OCCC ARC and Jerry Boyd WR5G.

On motion by Lee and seconded by Jim the minutes of January '90 meeting was accepted as distributed.

On motion by Chuck and seconded by Lee the report of the Treasurer was accepted as distributed.

REPORTS:C&E-On motion by Joe and seconded by Tom the Board voted unanimously to accept return of the Central Oklahoma Computer Operators (COCO) to the same membership status as before. VE-Ted reported a sizeable number in attendance and many upgrades.

HAM HOLIDAY #17 (1990)

PUBLICITY-no report/er; FACILITIES-Frank distributed copies of a proposed budget for discussion; DEALERS/AWARDS-Frank distributed copies of his letter to ICOM and reported receiving confirmations from Ellard's EX-EL, Satellite Headquarters, Ok. Comm. Center, Caps Unlimited, M&R Data and John Danielson but regrets and goodies from Medcom Enterprises, AEA (2 World Clocks) and Cushcraft (promotional materials); PRE-REGISTRATIONS-Jerry reports no problems yet; REGISTRATIONS-Steve is working on loading all the data into a computer; TALK-IN-the 147.63/03 and 449.2/444.2 can be linked for UHF devotees; SCHOLARSHIP-it was announced that Oklahoma Comm Center has donated an ICOM IC-2SAT to raffle for the scholarship fund at \$2.00 per ticket or 3 tickets for \$5.00 to be promoted in Pre-registration information, it was also reported that his

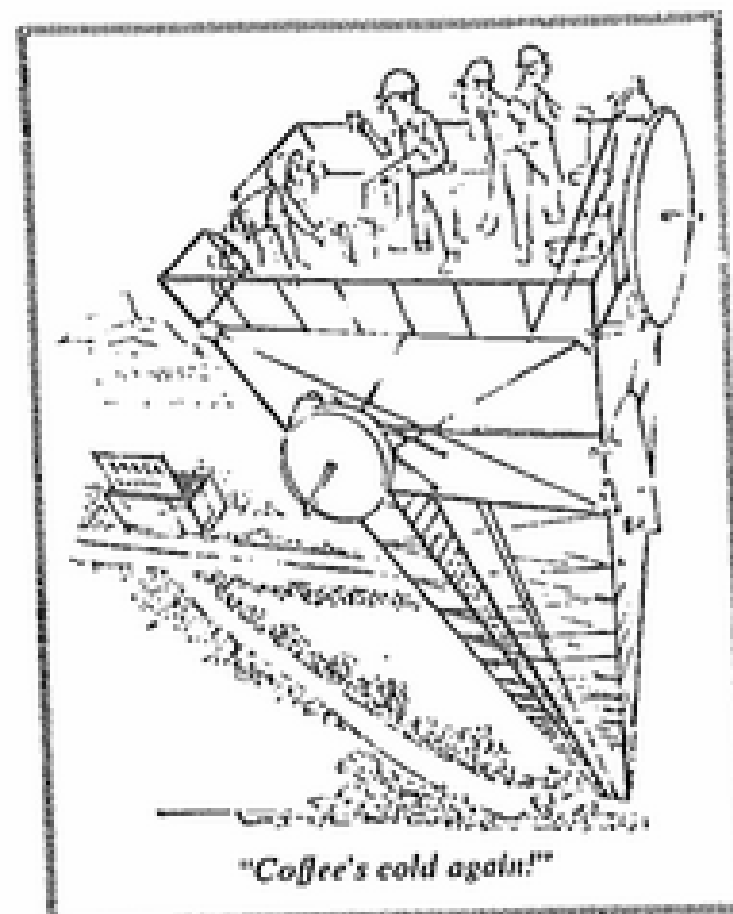
76ers Meeting dated 13 March 1990.

All proposed BY-LAWS and Constitutional changes passed by a majority vote.

The club would like to find a Field Day site. The proposal was made to see if SCARS would like to join forces and have Field Day in Norman at one of the parks.

At the next meeting Jim Buswell will show the 1983, 84, 85 VHS tapes of Field Day operations.

Repeater modification is still underway.

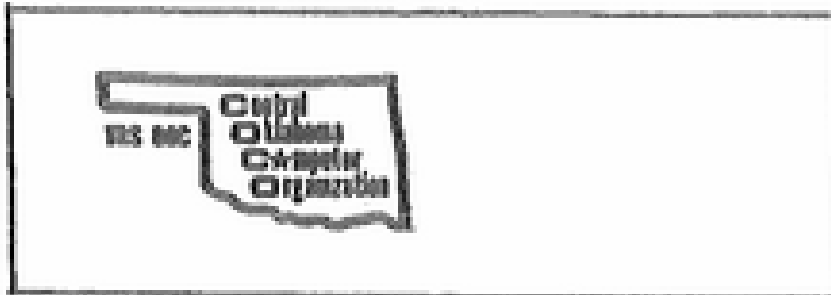


function needs an ongoing chair person; PROGRAMS-OCAPA's representatives appeared interested in chairing this chore; NON/TECHNICAL-no report/er; BINGO- Tom is working on Bob W5HXL to again acquire prizes for this year; FLEA MARKET-Donald needs to know for how many to plan; SECURITY-same as last years; BREAKFAST-no change; VE-the committee requests the Stars Room for one testing session each on Saturday and Sunday. Frank reported he is waiting contact from ARRL for the 1991 Convention.

The next Board meeting is scheduled for 27 Mar 90.

The meeting was adjourned at 8:42 pm.

Secretary, Jim N5BEQ



As president of COCO, I would like to say that COCO is very pleased to again be one of the fine clubs that publish in the C&E. Because we missed the February deadline to start the C&E, this month's issue will contain February's and March's news and views.

THE REGULAR MEETING OF THE CENTRAL OKLAHOMA COMPUTER ORGANIZATION was brought to order at 9:00 a.m. on Feb. 10, by Madame Prez. D.A. Roberts; after a short delay, Dale Goade also present on the executive table.

The format of the club has been changed slightly so that the program section of the meeting is held as soon as possible after the opening of the meeting and the introduction of officers and members. This time slot places more emphasis on the interesting section of the meeting and encourages the presentors in a difficult job.

OLD BUSINESS---Options for the newsletter were discussed. Some options were disk exchanges, disk mailings, independent newsletter, returning to the C&E, or several combinations of the options. The disk exchange was not adopted because of the cost of mailing disks to absent and out of town members, plus a preference for a printed letter by a majority of people. The independent newsletter was a debit because the amount of work and cost of mailing. The committee recommended and the membership agreed that the C&E gave the best choice; Joe Harding, who was present, graciously invited us into the publication. Any submissions were to be temporarily sent to George Sabawa. (NOTE: Send current submissions to the Prez.)

NEW BUSINESS---Surveys requesting preference of foods and volunteers for the May picnic. Dale gave out the new membership cards. A suggestion from the Prez. was to start the disk exchange

again using some of the public domain software owned by the club.

PROGRAM---Dale Goade led a discussion of programs that help check out the speed and operation status of disk drives. Many of the members gave additional information. A speed of 300 (+-2) RPM's is an acceptable speed. Spindle speed, clamping pressure, index timing hole, verifying the index mark, direction seek, and head rotation can be checked with the program, "Disk Drive Analysis". The alignment of the disk can also be checked. CAUTION: The alignment of the heads should only be done by a experienced person with a special disk. Some future programs that were suggested were: POKES AND PEEKS, schematic drawers, monitors, cables, packet, program reviews, Midi, and a Coco Net demo.

Madame Prez. is doing three things at once and begs for help with the coffee making. Thanks to Mrs. George Roberts (no relation) for her assistance each week. Other areas that need help are program director and an editor.

SOFTWARE AND HARDWARE PROBLEMS--- were brought up by the members. During this time, members are encouraged to ask and answers questions. This time is one of the most valuable learning tools for the new and confused members. Many questions have been troubling members that are too shy to ask; the discussion also helps people with similar interests to recognize each other.

The meeting was adjourned at 11:30.

REGULAR MEETING OF THE CENTRAL OKLAHOMA COMPUTER ASSOCIATION was called to order at 9:00 on March 10, by Madame Prez. We were unceremoniously moved to the large room of the Midwest Community Center; the result was a catastrophic delay in the coffee making.

Officers present were Madame Prez. D.A. Roberts, V.P. Patrick Roberts, and Sec. Don Fox. Treas. Dale Goade was at home with an electrical emergency; thirty (sic) members attended. The officers and members introduced themselves.

OLD BUSINESS-- The annual

picnic/swap meet is on May 12, at Kawanias Park (same as last year) approximately 1/2 mile south of Reno on Midwest Blvd. on the west side of the street. Maps will be in the next month's news and at next the meeting. We need confirmation on the number of persons coming and volunteers.

Submissions for the our newsfor the C&E are needed BADLY. It was suggested that the OS-9 people have a regular section of the news. This is a challenge OS-9 users!

NEW BUSINESS-- We need someone to volunteer to be program coordinator for presentations at the monthly meeting. This is your club, and it needs your participation to survive! The program coordinator needs to find out areas of interest and convince people to give short demonstrations, but also to remind those people of the demos about a week before the meeting.

The club received a renewal and a very nice letter from Bob Helms in Arkansas. He is into OS-9. There is no Color Computer users group in his area and the newsletter was of interest to him.

Ronn Folk discussed his new BBS (733-7878) and presented FIDONET as an international net with many of the authors of software using FIDONET. He asked some questions on HAM regulations concerning nets and their operation. Incidentally, our net is being improved because of a program update. Try it, you'll like it.

It was brought up that the C&E has an article in which there is a proposed FCC ruling to start an new digital class with no code requirements, but with limited air space. If computer operators are interested please write letters. Some members are trying to set up code practice sessions for HAM practice. It was pointed out that there are many programs available for the COCO to help practice code and other utilities, such as log books, that will aid amateur operators. Many of the HAM clubs have courses to assist with code and technical tests.

Continued on Next Page



It was brought up that the Spring storm season is dangerous to the life of your computer. The spike protectors sold, even the good ones, unusually will not trip soon enough to protect the computer's low tolerance of voltage; special surge protectors are a must and these do nothing to help the static electricity. Static pads and straps are needed for protection against static.

MEMBER 526 PLEASE BRING BACK #46, #73, #48 AND MEMBER 425 PLEASE RETURN #74 AND #40 FROM THE BRING-BACK LIBRARY.

WOULD ED PRICE PLEASE CONTACT THE PREZ. ABOUT THE PUBLIC DOMAIN LIBRARY. THANKS!

SOFTWARE-- A member needs help with the "IF. .THEN" option on the VIP spreadsheet; if you can help, send information to Madame Prez. or bring info. to the next meeting.

HARDWARE-- problems none. Chuck West presented the following information about the next generation of the Coco. The Kenneth-Leigh Enterprises machine will have 6800 or 68070 at 10+ Mhz, 512K exapandable to 8 Megabytes, 8 bit D/A A/D stereo sound, PC keyboard interface, OS-9 68000 partially in ROM, 6809 translator, translates OS-9 Level II programs to 68000 which runs current OS-9 Level II apps 40% faster.

PROGRAM--There was a short program of PEEKS and POKES given by Madame Prez. They will be contained in the HELP section of this news. Some articles about circuit drawing and other utility programs from old magazines were shown because of member's requests for help in locating such programs.

The meeting was adjourned at 11:00. The next meeting will be in the Midwest City Community Center at Reno Blvd. and Midwest City Blvd. on the second Saturday of April (April 14).

HELP SECTION: For people who are trying to type term papers Elite Word is a boon and bane. It is easy to edit, proof, move, delte, and

add to term papers, BUT footnotes, underlining, and names of publications can drive a writer crazy. To imbed a command the <clear> and <. > are pressed at the same time. The instructions say <clear><. > <S1> <clear><. > will start a section of double spacing. However, they fail to emphasize that if the command is not canceled with <clear><. > <S0> <clear><. >, double spacing will continue even after one printing is stopped and another printing starts. The same is true of underlining. If the underline is accidentally not tured off, everything will be underlined.

The Tabset is very easy to get into by typing <T> in the menu and then the number that you want as a tab and <Enter>. To clear the Tab type <T> in the menu <Spacebar> <Enter> to clear the Tab to 240.

Special imbeded codes can be enter by <Clear><. > <imbeded code> <Clear><. > The following codes are used for the Gemini 10X; check printer manuals for your codes. NOTE: Every time the code for your manual has "Escape", the imbeded Hexideciamal code should be 1B; the rest of the codes are read two digits at a time. The whole string begins with \$. The imbeded code for the superscript 1 has some peculiarities. It will not work with emphasized or double wide print modes. <clear><. >\$1B5300<clear><. > will turn on the superscript in most modes and <clear><. >\$1B54<clear><. > will turn it off. Emphasized print must be turned off also <clear><. >\$1B461B5300<clear><. > and after the subscript turned back on <clear><. >\$1B541B45<clear><. > The sequence for double wide is \$1B141B5300 and \$1B50E. The format is a little confusing because in the loader program the codes are written &H0E,&H8E to enter Hexidecimal codes.

Some PEEKS and POKES for the BAUD rates (speed) of the printer in line 190 POKE &H96, (FOLLOWED BY)

87	FOR	600 BAUD
41	FOR	1200 BAUD
18	FOR	2400 BAUD
10	FOR	3600 BAUD

CIMARRON

March eighth, 1990! CARA meets, eats, and greets! I'll say this about our snacks committee...no one ever goes away from our club meetings hungry...unless they have more will power than Ye Ed! But CARA had a good meeting as well, and a lot of good conversation and fellowship! What more can you ask of a Ham Club? Not every meeting you go to has to settle some great worldly problem.

President Leo Peil, WZ5H, called the meeting to order and several subjects were addressed.

Sickness reports: The illness of Dorothy Ellis was noted and a report on Helen Simpson, N5HOL given. The well-being of club members and friends should always be a part of club meetings, and CARA has always been good in that way.

A work-day to get ready for FIELD DAY was discussed, but setting an exact date in April or May was not thought to be necessary or possible this early.

A NOVICE SCHOOL was discussed, and it was thought that eight to ten candidates was interested. WZ5H mentioned that he had discussed this and it was possible that a class could be begun before too long.

THE COMMUNICATOR LICENSE was discussed at length. This is of great interest to all Hams...some in favor and some not. Since there is still much to be learned about what will transpire, no definite thought about this change came about!

It was noted that we had a local Digipeater on 145.01. A discussion of PACKET RADIO ensued. There is some

Continued

7	FOR	4800 BAUD
3	FOR	7200 BAUD
1	FOR	9600 BAUD

Another helpful POKE (it has nothing to do with the Elite Word program) is POKE 111,254:DIR followed by the designated drive number 0 or 1. This poke prints the disk directory to the printer.

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SUBMISSIONS FOR THE C&E SHOULD BE MAILED TO OR X-FERED IN ASCII TEXT FILES TO:

DOROTHY A. ROBERTS
2400 S. MacARTHUR #109
OKLA. CITY, OK 73128
681-5220.

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1 GREAT PLAINS U.S. Census Day	2	3 MORI	4	5 AERONAUTICAL	6	7 EYEBALL QSO MOORELAND
8 EYEBALL QSO WHEATSTRAW ARC Palm Sunday	9 EDMOND CLUB	10 CIMARRON O U 76'ERS OIDAR 1st Day PASSOVER	11	12 ALTUS AREA	13 Good Friday	14 SCARS C O C O
15  Easter Sunday	16 VE EXAM 6 PM RED CROSS BLDG 10TH & HUDSON	17 OK CITY AUTOPATCH 8th Day Passover	18	19 KAY COUNTY	20 EDMOND SOCIETY	21 VHF CLUB
22	23	24 CORA CORA CORA CORA	25 EDIT NIGHT FOR C & E	26	27	28
29	30				MARCH 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	MAY S M T W T F 1 2 3 4 6 7 8 9 10 11 13 14 15 16 17 18 20 21 22 23 24 25 27 28 29 30 31

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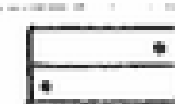
We have the solution to your problem! Do you ever tip-over your radio by accident? Does your scanner fall over when someone bumps the table? Do you find yourself reaching out to "catch" your hand-held radio when someone walks by? If any of these sound familiar, then WE HAVE THE SOLUTION TO YOUR PROBLEM!

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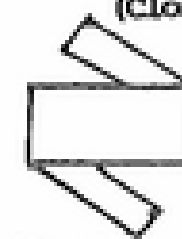


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Z-BASE



Z-Base
Bottom View.
(Closed)



Z-Base
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