**GREAT PLAINS A.R.C.**

WSHGH Repeater 146.13/73

KEEP THE C & E !!!

Last month's edition of the Collector & Emitter contained the news that the publication was having problems. It further stated some of the upsetting reasons. The members of the GPARC were quite concerned and the matter was widely discussed. In this reporter's opinion, Joe and the staff of the C&E have done the amateur community of Oklahoma a great service—probably even more than they have realized. Let's look at some of the facts:

Thirty-five cents! Not even enough money any more to buy a soft drink let alone a candy bar and that's the going price for "Our C&E". Now that's certainly a bargain in anybody's books. Is that one of the problems? Possibly so. Why not raise the price to 50 cents. That might not solve all of the problems, might not be enough for a publication of C&E quality, but would probably help as at least a short time cure.

The lack of advertising was also stated as a shrinking source of income. This one might be a little tougher but the OM and I have actually supported C&E advertisers because we remembered their ads. Why not charge for want ads? One certainly pays for them in other magazines and newspapers. Maybe the possibility of charging clubs for advertising ham gatherings is a feasible one and is offered as a suggestion.

Our reply to the final problem area (which is shared by our business) is either the consumer pays or that the service will no longer be available to them. We don't know the particulars of who owes what and certainly aren't making this point to cause any problems or hard feelings.

We feel that the C&E offers a solution to other small clubs such as ours to keep members informed on a regular basis. Many of us cannot afford, don't have the facilities, the personnel, or the material to consistently produce our own bulletin. Many of us have tried this before, and it simply doesn't work for long. The C&E also keeps us informed of what is going on in our sister clubs of which, in many instances, we may have dual memberships.

We feel it's a great deal and loss of this fine publication would be a blow to amateur radio in Oklahoma. Let's give Joe and his staff all our support and maybe with all our support and ideas we can keep the C&E coming for many years in the future.

OCTOBER MEETING IN SEPTEMBER

The October meeting of the GPARC has already been held. We decided to dispense with the regular October meeting and agreed to meet at Lewis and freida's Sunday, September 20th to work on the communication trailer. A director's meeting is scheduled for sometime in October and will be called by President Windle.

10 METER NET

Harry, KC5OU, informed the OM he was thinking of forming a 10 meter net primarily for the benefit of Novice and Technicians. He would like to see proper operating procedures and good amateur practices taught and feels that a net with these goals and lessons stressed would be popular. An exact frequency hasn't been decided upon but should be available soon. If you're interested contact KC5OU for further details.

NUFF SAID

Did you miss reading about our club meeting? Hope not too much, because we lacked one member of having a quorum necessary to conduct business. At any rate, editorial and all, that's it for another month. For now, 73.

Lois, N5JGQ

THE BIG SIGNAL
OKLAHOMA CITY AUTOPATCH
ASSOCIATION, INC.

SEPTEMBER MEETING

There was a mighty good turnout for the September meeting considering the weather in the area. Even Leonard, W5HEL, laid the mike down long enough to show his presence.

Dan, of Dave and Dan, heard each morning on KXY, presented the program. Dan is quite a flying enthusiast and presented a slide showing of some of the early day flying machines and gave an interested history of aviation. Those in attendance certainly enjoyed it and those who didn't make it, should go see Dan's program if you ever get the opportunity. Dan just happens to be the son-in-law of one N5DUQ, and he managed to get in a few punches at his father-in-law. It seems Dan took his future father-in-law up in a plane to do a few stunts and turned the controls over to him. Then, he told him the only way he would take the controls back would be if he could marry his daughter. Pretty slick.

NEW MEMBERS

We have had several new members sign up lately and we would like to welcome all of you. Once I get to know some of you a little better, I will try and say some good things about you. Then, if all goes well, I will see if I can put you in another column where you will be noticed more. Anyway, welcome the new guys.

PRESIDENT GEORGE

In keeping to one of his planks on his platform when running for President, AD18 is making our meetings very interesting and to the point. It has been a long time since I have been to one of the meetings that most of the time wasn't spent talking about the needs of the repeaters. George is keeping

Continued on NEXT page

THE BIG SIGNAL

the meetings simple, short and getting all the necessary business taken care of without dragging them out. So, if you haven't been coming to the meetings because they are a drawn out affair, come out next month and see how George does it.

OCTOBER MEETING

President George announced that Hobe Burgan, WB5MLN, will present the October meeting. The topic of his discussion will be cellular phones. This should be an interesting program, so let's have a large turnout.

MR. ISRAEL

Once again, we were blessed to have Mr. Henry Israel, N5IH, show up for the meeting. I had not talked to or seen him since the last meeting, and certainly not since the last issue of the C & E was published. Therefore, I did not know if I should run, offer to shake hands, or hide behind the largest person there. But, no problems, Henry was as nice as could be. Now a lot of you folks out there are new to the ham fraternity and our club, and I'm sure you don't know Henry too well. Sometimes, when the urge hits me, I like to write things about Henry. It might appear that I am really picking on him or asking for a fight, but actually, I consider Henry a good friend and he just happens to be one of my favorite targets. One of these days, I am going to make a motion at one of the meetings that before an applicant to the club can become a full member is that he has to have a QSO with Henry.

I HEARD COLUMN

I have been making notes here and there, but so far, I haven't been able to come up with enough goodies on enough people. So, bear with me, one of these months I will have you in there. I hate to pick on J. C., Mac and a few others all the time. J. C. is wanting to see what I look like, for he wants to know who that guy is that makes all those wise cracks about everyone in the column. J. C., it's not me who makes all the wise cracks.

LAUGHING CONTEST

I think its time we had a contest to see who has the funniest laugh on the air. Boy, there are some real goodies out there once you get to listening for them. I have some favorites, such as Buddy and his

machine gun laugh and Larry with his laughing while talking method. I don't know if all Yankees laugh while talking or not, but Larry does a good job. So, if you think it would be interesting to have a contest some time, let us hear from you and make some nominations. Perhaps we could have a Laughing Contest at one of the meetings among the ones who get the most nominations.

GETTING TO KNOW YOUR FELLOW MEMBERS

To say that we don't have some interesting characters in the Autopatch Club would be the understatement of the year. I am amazed at some of the fellows and gals and some of the history behind their lives. It is difficult to pick out any one person to divulge some family secrets on now and then, but once I make the selection, it is fairly easy to expound on some of their good or bad qualities.

One such individual who comes to mind is our beloved Leonard, W5HEL. Now Leonard is not quite sure what his real name is. He never knows whether to call himself Leonard or Mel. Usually, he will let the other person make the decision and whatever he comes up with is what he will use. To this day, I have never heard him correct anyone for calling him something other than Leonard.

For those who might not know, Leonard is one of the oldest television celebrities in Oklahoma City. He is the original Don Wallace. Many years ago, when I was just a lad, Leonard would show his smiling face on television and tell about all those big fish he caught or how many poor little quail he had shot. To prove that he actually caught the fish, he still carries pictures of them in his wallet today. Somebody said that Leonard actually came before the day of HoHo, the clown, or did they say that Leonard was actually HoHo without his costume?

One thing that Leonard was able to accomplish during his sporting days was to live under water for great periods of time. He made good friends with the fish he caught and usually carried on conversations with them. If you don't believe this, ask him to demonstrate his ability to talk under water.

Leonard is Mr. Weather on the 82 machine. He is on a first name basis with all the local meteorologists from the local radio and television stations, and keeps us abreast of all the weather

activity. Leonard is an expert on estimating the wind velocity. He knows exactly how many pecans are on his trees and after a good windstorm, he counts the pecans on the ground to determine what the speed of the wind was as it came roaring through. I hope the rumors are not true that Leonard is thinking about quitting this job for another of similar pay.

Other than his acting career on television, Leonard is an old retired school teacher. I could never figure out just what he taught at school. It seems he managed to talk the school board in buying him a complete ham radio station for his classroom so he could teach electronics to his students. I'm not sure, but I think he managed to work DXCC while holding class. One of his students who actually graduated was Dan of KXY fame.

Probably one of Leonard's best kept secrets though is his relationship with Merle Haggard. Few people know this, but, several years ago, Merle had a song out about Leonard. He never did give any information about who he was, but now you know.

Leonard really seems to enjoy his hobby. In fact, he seems to enjoy life. Seldom will you see him without a big smile on his face, grinning from ear to ear. Leonard isn't a very big man, in fact, he is pretty short and has to look up to most people. But, he has a big old deep voice that makes up for being such a shorty.

So, there you have it. Everyone in the club isn't a snob. We have Leonard, a real celebrity.

GETTING TO KNOW YOUR NEW MEMBERS

The Auto-Patch Club has been fortunate lately in having some new members sign up. We are always happy to have new members, especially those who are young and energetic and will work in the club. With my poor memory, which comes with older age, it is hard for me to remember the names and calls of some of these folks. We were blessed recently with the addition of a young new ham, and Boy oh Boy, I can't think of his name or call either at this time, but perhaps by the time I finish this write-up on him, they will come to me. Anyway, he is a Big old Bruiser and from the looks of his Big old Belly that he carries around, it appears he is constantly sipping on a Bottle of Booze or a Bottle of Beer.

I first got acquainted with
Continued on BACK page

PEARR

MET on Saturday

September 12 at 9:50 am. About 20 members attended. Monte, WBSRZX, reported a balance of \$898.30 in the treasury. Davis, KDSIT, couldn't make the meeting so these lines are based on Monte's notes and Grimm's Fairy Tales.

Andi, WU5W,

discussed ARES and the Weather Net business. The group got a good workout this past month. On the evening of the 15th, Steve, N18W, was at the NWS building in Norman and spotted rotation directly overhead. Although no tornados were reported there were very high winds in localized spots over Norman that night. If you are interested in helping with the WX Net, contact Andi or Steve.

Ken, N5BEW,

reported on a new repeater located in Taloga, OK that is on a mountain (high hill) and operates 146.895 (-600).

The Novice class

was in the news last month. KTOK radio aired a half-hour program on labor day to plug the SCARS and EARS classes. Monte, WBSRZX, and Lee, N5H1R, were on the air along with Rick Tasetano, N5KLM, and Pam Pryor, the program hostess. We certainly appreciate their support!

The next Novice class (and upgrade class also) is scheduled to start October 12. It will be held at the Norman Red Cross every Monday night from 7-9:30 pm through November 30. A VE exam is being planned for December 2. In the past most of the attendees learned of the class through talking to others, so pass the word...

A Special Event

station was operated by SCARS on September 19 from 1400 - 2400 UTC. Andi had signup sheets at the September meeting. The members who participated were: Frank, W2OCM, Andi, WU5W, Steve, N18W, Dorinda, N5IUA, Gary, WBSULK, QR, ASA, Ron, N5HZS, Davis, KDSIT, Linda, N5DWN, Joe, W5PNO, and Gordon, W5OU.

All of the logs are not in yet but it looks like at least 300 contacts were made. QR asked SCARS to rent a truck to carry his logs over here.

The 06 Repeater

is alive and well (it is believed!). The battery back-up is working at the in-town site. The battery back-up for the main site is awaiting a part; otherwise, it's ready. The county wants a "waiver of liability" letter from SCARS, which must be approved by the D.A.'s office. Mark, N5HZR, is working with the county commissioner and the DA to get this finished quickly. Because of this delay the phone line has yet to be installed or even ordered.

Jess McKenzie is still our legal licensed agent for incorporation. Since he has been living in Utah for about four years, we need to get that changed! Anyone living in Norman that plans to stay, and as Mark says, doesn't get nervous about legal stuff, might want to volunteer.

Jerry, W5MCJ,

won the raffle prize (Isn't that two in a row now?) which was an ice chest and lunchbox, and an 8" x 10" frame to hold his Worked All SCARS award. (see the September C&E for details on this fine award).

The next

meeting will be on Saturday, October 10, at 9:30 am in the Norman Red Cross building, 1205 Halley Drive. Hope to see you there.

-----KDSIT-----

I'm no chemist but I know the nitrates are at least twice as low as the night rates.

CIMARRON

CARA had their first meeting in several months Thursday, the 17th of September. Ruth, WX5Y, and Leo, WZ5H, both were present and looking good after their illness', and we were so glad to have them back in action.

Present also were Jack, N5LEB, Ray, AB5Z, Denny, WK5V, Nadine, N5FMH, Steve, KF5FW, Betty, KA5RTW, Jack, NN5Z, and Terry, KA5TVF.

Routine business was capped by the planning of a fall cook-out for the 15th. of October. The Fairview City Park will be the site. Each member will bring a salad or dessert or chips and the meat, buns and relish will be furnished. Chow should be ready by 6:30 so MEMBERS....BE THERE OR BE SQUARE!!!!

I might mention that Harry, KC5OU, has his repeater back in action in Taloga and you are welcome. 146.188, down six. Thank you, Harry!

Terry, KA5TVF, Ed., WZ5F, and Denny, WK5V arranged to have a booth at the Major Co. Fair. Way to go, fellows!

Well, that seems to be 30 for this qso. 73's and CUL!!!!
de NN5Z

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Salem

AMPLIFIER BLUES (How I Got a Cooker)

Never ever had an amplifier before. Oh, I am not talking about the VHF Amplifiers that you pick up occasionally to help the two meter mobile. I've had several of those through the year. Right now, I am using a Mirage 160 Watt behemoth at the house and carry a couple of 50 watt jobbers for the car. And I bought a UHF 40 watt amplifier for the car at Ham Com several years ago. I didn't use it so much that I bought another one at a flea market last year. Well, you never can tell when it might fail. After all, the lack of use can be its own failure mode. But I have got a couple of spares.

I remember buying a two meter amplifier at Dayton and bringing it back and hooking it across the power supply at the radio shop. Goodness, the amplifier drew over an amp just sitting there without any goo going in. What is going on here? Well, a little looking and I found that the previous owner (I assume the previous owner, come to think of it, that might be why he sold it to me) had hooked about a 10 ohm resistor inside across the power supply leads. Don't know if he felt that the amplifier just didn't get hot enough sitting there or if he was trying to regulate an unregulated power supply. In any case, I disconnected the resistor and took out a couple of other things that had been added in and the amplifier worked just fine. Put out about 50 watts for about 10 watts in. I later sold it when I acquired the big KLM two meter amplifier.

Well, these were different breeds than HF amplifiers. And I have never owned an HF amplifier, at least until just about a couple of weeks ago. K5JB used to tell me that an amplifier just wasn't worth

messing with unless it could bring you about 10 db. And after some thought, I guess that Joe is probably about right. If a six db improvement is only one S unit, 10 db is just about an S unit and a half. And I have heard the difference between an S8 and an S9.5 (or whatever) and it is not very impressive.

But, in reality, at the other end of the spectrum, an S unit and a half is a big help. The difference between S2 and S3 can be substantial and even the difference between communications and confusion. Besides, you have to be careful when you listen to JB. Sometimes he doesn't take his own advice. But in this case, he did. He bought an amplifier several years ago at Dayton and it was a beauty, one of those big Dentrons with the expensive tubes. I have heard it on the air a couple of times and when Joe clears his throat, it makes a difference.

So with all this in mind, I have been looking around for an amplifier. Nothing special, just to see what, where and how. And since I didn't really care if I got one, I could afford to be picky. WA5TOO is also a looker. He has had a variety of amplifiers slip through his hands over the years. Several years ago, he found a rather beatup 30L1. These little babies will give you about 500 watts on sideband and about 600 to 700 watts on CW. I saw the amplifier when Darrell first brought in into the radio shop. He cleaned it up and tweaked around on it and took it home. I offered to buy it, but I think that he had his heart set on making it part of the permanent collection. That is, until he found a 30S1 recently. And it was mint. In fact, I coveted it almost as soon as I saw it. Unfortunately, Darrell well knew what he had and at a great price. There is no doubt that he would not be letting go of it. But, as an aside when he was carrying the 30S1 in, he suggested that he might be willing to sell the 30L1 since he could probably use the cash to offset the cost of the new amplifier.

Now, that's a good idea. So I said to bring it down. I figured that it was still pretty clean since

Darrell had just cleaned it up about a year ago or so? Right? No, actually wrong. Especially when you underestimate the potential of an amplifier such as this as a resting area for one of Darrell's many cats.

I couldn't really figure out where all the grey hairs came from. I at first thought it was some type of oblong dust. But, after disassembling the amplifier down to the circuit level and turning N5AMV's air compressor on it, I got a mouthful of cat hair. There might also be some truth to Darrell's story that he thought the cat was a little older than the others and in his advanced age had become a little incontinent. At this point, you can imagine what the amplifier looked like and smelled.

The case was still in pretty good shape. I took it off and we washed it out pretty well with soap and water. Inside the amplifier cage, I went at it with cleaner and some rags. A little more soap and water applied by hand got the smell down below the hay fever level. Dean N5AMV has had quite a bit of experience with these particular radios and he helped me when we fired it up. It worked pretty good. In fact, it would almost tune up on every band. After cleaning it up some more, I boxed it up and waited until next week to check the input tuning.

The amplifier did everything that it was suppose to do and even a little more. I don't have 220 Volts in the radio room (got to get that taken care of), so wired the amplifier for 110 Volts. Actually, it works pretty good on 110 and the plate voltages sags from about 2000 volts to about 1500 to 1700 volts. Not too bad. I dug out my BC-610 dummy load and wattmeter. It is just about right for a 30L1. It can handle the power with little trouble and I had a direct reading wattmeter to help out with the tuneup.

I made a couple of adjustments on the tuning inputs, but some of them were just fine. One (15 meters, I think) was frozen in place. But since it made power, I didn't worry about it. At this point, we were tuning it up into

one of Dean's big dummy loads. I had left the BC-610 load at home. But, after pulling all the cat hairs out and cleaning it up, it looked pretty good. Meanwhile, Darrell was somewhere else with his 30S1.

I dug through the junk box and came up with some small crystal can type relays for the PTT. The amplifier uses about 170 volts to key the antenna relay and hold the bias. If I even thought about running that kind of voltage into my IC-751, even as a joke, I knew that something would happen and somehow, I would be picking Japanese semiconductors out of my hide. Well, I also find building up a relay box tedious, fortunately, N5HZR happened along (he always wonders if I am going to mention him in these articles). Mark quickly got interested in the mechanical details which I quickly delegated to him. We took a Jones plug and bent the sides of the metal shield down until we could mount a crystal can relay in it. I then ran through a couple of cables and made matching terminating connectors for the radio and amplifier. Mark and Marshall hung around until we put it on the dummy load and popped out the power. Satisfied in this manner, I really didn't have time to get back to the amplifier for a couple of weeks.

Don't let anybody fool yah, even these lower powered amplifiers will kick up a reasonably good signal. After I finally got all the cables and other connectors ready and built, I fired the rig up and heard a couple of guys looking around and talking about the usual things that hams talk about early in the morning hours. The amplifier made a noticeable difference to each of them and considering one was in Hawaii. Woowee. It really permitted me to break on the first time and have people interested in talking to me because they could hear me.

The S units were very flattering to me. But the real test came

about a week later when I got into one of the regular Sunday morning skeds with some of our Dayton friends and WA5ZAI. Unfortunately, band conditions were particularly good, so I just chalked that up to bad luck. Anyway, as the signals started to fade, I thought that finally this was a time that I could really get rid of a pest (some QSB and QRM) and see if there is anything to this amplifier stuff. Well, I got heard for the first time. And the amplifier seems to just plug along. Especially since it was Collins equipment.

I have only used it the two times that I tried it out. I haven't really had the opportunity to spend a lot of time on the band, but it is reassuring that it might prevent depletion of some very important news correspondents.

After running through a tune up procedure and keeping ahead of the thing, I think that it is a good to have it around, just in case. Besides, when somebody steps on and uses their amplifier, you can use this same proposition back.

Oh, by the way, Darrell did get his 30 S 1 working, but there was some problems with altered control circuits (altered when Darrell just threw the amplifier and power supply in the back of his car. Such disrespect from that boy.)

Dean found a problem in the power supply and I found a problem in the input circuit of a 110 Volt. A couple of germanium diodes later and we had replaced the part of the power sensing circuit that was bad.

Well, it works now. I haven't hooked up the various bands, but we did check in on the bench on a Dummy load. It is truly a Kuhana of gigantic proposal and does inspire gambling. But so far, no problem, except for a cat of Darrell's that doesn't probably know where its home is now that the county calendar is gone.

Micheal Salem N5MS

TEXOMA

I got a brochure for Texoma the other day. Unfortunately, I don't know if it was Texas' time to plan the hamfest, because they scheduled it for October 24, an OU home game with Colorado. Too bad. Looked like there would be some interesting programs. If the weather was nice, it was always good for a ride down in the airplane. A quick look around the flea market just to see if there was anything that should not be missed, a quick check of the commercial exhibits and after lunch and visiting (and perhaps a program), it is back to Norman.

One of the more interesting programs that I attended at a hamfest (I usually don't go) was a discussion on antennas by an engineer from Collins Radio (he was not a ham). He had a pretty nifty handout also.

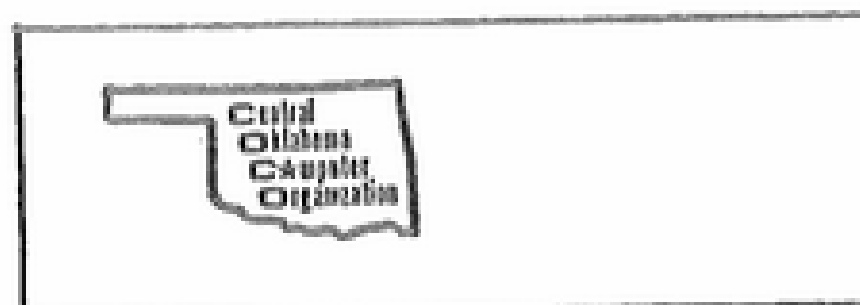
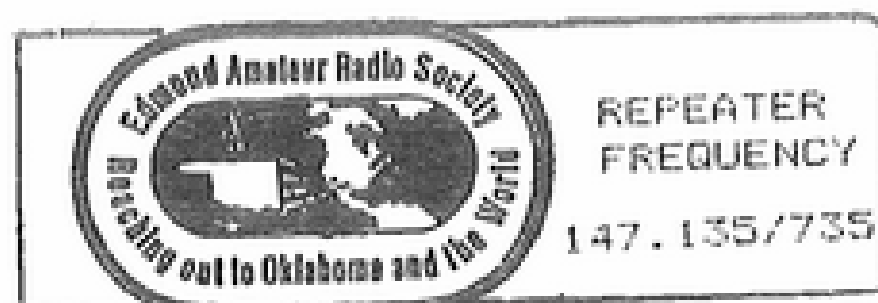
There is an outside chance that I might hold the trip over until Sunday, but it has been my experience that the flea market has dried up by then. Gee, why didn't you schedule for the next week. That is an away game.

Micheal Salem N5MS

N5MS DOS - September Edition

This computer stuff is really aggravating sometime. In the course of upgrading, WA5JXX suggested that I, also, should get a mouse and an NEC Multisync as well as an EGA Board. Well, I had been thinking about it for some time since I had seen a lot of public domain software that I had been missing out on. So I sprung for it. Well, I am not really use to word processing in color, but it does take some getting used. I do like the bigger monitor and the colors on the NEC are phenomenal. As I learn to use these things, I think that I will spend some time on some EGA programs. Well, progress has its costs and fortunately, with the new VGA on the horizon, EGA and these other things are getting cheaper. More later.

Micheal Salem N5MS



The train ran at about noon on paste-up day and I seemed to be the only person at the station. That's the way my luck has been running lately--a day late, a dollar short and a quart low.

The first Saturday in September approximately 35 EARS members met at the Edmond EOC for coffee and donuts and some good fellowship. Some of the construction class members brought their amplifiers and held an impromptu class, some of the girls sat around the kitchen and gossiped, a couple of new members were checked out on the club station, and last but not least, every siren was covered for the monthly siren test. After the sirens were tested and found worthy and the kitchen was cleaned up, a group of about 20 met at Goldie's for lunch, where the guys were allowed to join the gossip session. Such a good time was had by all (not to mention getting 100% coverage of sirens) there is thought of making this a monthly activity.

Yours truly is delighted to report that five EARS members upgraded at the September VE session. They are: Gene Ross (KBSBQP), Arluster Milligan (KASYPH), Barbara Klespert (KBSOGH) and Jamie Cook (call pending), Technician; and Ed Granger (KBSDZU), General. Congratulations!!!

The weekend of September 25-27 is an extraordinarily active one for EARS. Members are busy providing communications for the Lake Arcadia Grand Opening. In addition to working with the rangers coordinating communication for the various park activities, helping with parking, etc., there will also be a mini-Special Events station with HF and VHF.

As if that activity is not enough, EARS' classes start Sunday, 2:00 p.m. at St. John the Baptist Catholic Church, 9th and Littler. If you know an aspiring ham

Meetings held at Midwest City Community Center
Reno & Midwest Blvd.
2nd Saturday of each month
9:00 AM -- Come early
Club dues: \$10 per year

President Paul Pape called the meeting to order at 9:08 AM on August 8, 1987. 70 members and guests attended.

Old Business
1. Beginning in October, the new meeting location will be the Midwest City Community

(radio variety) who missed this first class, encourage them to be there the following Sunday so they won't miss out on the ground floor of this exciting and rewarding hobby.

1987 is a milestone year for EARS. The final planned event for our 30th anniversary celebration will be a combination dinner meeting/first annual fall campout/Special Events Station the weekend of October 16-18, all to be held at Lake Arcadia's Spring Creek Campsite. Kickoff will be a chili supper provided by the EARS/Red Cross Amateur Radio Explorer Post. To purchase advance tickets contact Joe, KASZPN or any member of the Post. The Special Events Station, WSEY in honor of our charter member Allen Watson, will be manned from 12:00 a.m. Saturday to 12:00 a.m. Sunday (see October QST for details). Camp will probably break soon after noon on Sunday.

The Myriad Gardens Run, scheduled for October 3, is a big event that will need lots of hams. Stan VanNort, NSJFQ, will be coordinating communications. If you have already volunteered, be at your assigned post at 8:00 a.m. If you'd like to help, contact Stan at 949-0140 or Mark Northcutt, WDSDYI, at 755-4672. This is probably the first event other than Ham Holiday to have several metro area clubs working together. This is an amateur radio effort, not a club event--so come one, come all, a good time guaranteed. Lee, NSHIR

Center at Reno and Midwest Blvd in Midwest City. We will no longer meet at the Red Cross Building. Spread the word via bulletin boards, etc. Repeat: the new location of COCO, Inc. meetings will be the Midwest City Community Center. (See the enclosed map.)

2a. Duane Woodson discussed the newsletter published by the Enid chapter. The September edition cost \$47.50 for 125 copies. The paper is beginning to take shape. The layout and overall appearance is much better, and the editing has improved. Nice going, guys.

b. Duane requested a volunteer to pen the questions and answers column in the newsletter. Douglas Bell rose to the occasion. Send your questions to him at 5175 81 Hwy, Duncan, OK, 73533. His phone number is (405) 252-2454.

3. Bob Pace hasn't yet installed the 1200 bps modem on CoCoNet.

4. Larry Boettcher and David Burkleo each brought diskettes full of public domain software to add to the library. The library is beginning to grow at last.

New Business

1. Chuck West mentioned that MicroLink, a mini CompuServe, is up and running. For a flat \$10 per month (no connect time charges) you get unlimited access. The CoCo 1 & 2 SIGops are Marc Bosley and Mike Holland. The CoCo 3 SIGop is Chuck West. Call 321-8333 (voice) to receive a logon ID and password.

2. Harold Todd suggested that we ought to read CoCoNet's bulletin board. Many people are volunteering their time and money, but their offers are going unheeded.

3. Howard Wilson II volunteered to serve as chairman of the officer selection committee. His assistants will be Chuck West (Chuck really gets around) and Bob Leary. The election of officers will happen in December.

4. Frank McCollom praised the efforts of the CoCo

CONTINUED ON NEXT PAGE

Software Problems

COCO CONTINUED

volunteers at HamFest.

5. Dorothy Roberts suggested that we offer an alternative to her beginner's program each month. Several people seemed interested in reviving the OS9 series, aiming at novices.

Hardware Problems

1. Paul Pape just received a CoCo 3 512K turbo RAM board from Performance Peripherals. The cost was \$29.95 for an unpopulated board. It arrived well packed and looking good.

2. Merrill Scott, Sr., however, hasn't fared so well with his J&M 512K board. It runs hot and "drops out" after a while. An article in the RAINBOW suggested using a fan to cool the operation. According to Bob Lyon, Chuck West, and Steve Moore, the PBJ board has yet to cause the slightest problem.

3. Marty Fisher showed off his 64K CoCo 2. Within an IBM PC-XT case, he has housed the video driver, DCS modem, two Tandon disk drives, a disk controller, and a serial-to-parallel interface. He even housed the keyboard in a new case. It was quite a slick operation.

4. Duane Woodson wanted to know if anyone had hooked two CoCos together with a null modem cable. Paul Pape responded that he had hooked one CoCo to another in a multi-tasking experiment. One of the CoCos served as a terminal. I intend to hook my CoCo to my PC-clone via a null modem cable. The cable is 50% finished, as it has been for 3 months. I'll finish soldering it at the next TACO meeting that I attend. If I have success, I'll report on it.

5. Dorothy and Patrick Roberts have a problem with power dips in their neighborhood. The dips appear out of the blue, last for a second or so, and destroy everything in RAM. Chuck West saw some specs for a cheap device to keep the RAM refreshed until the power returns. Larry Boettcher recalled an article describing how to construct a battery backup. There was a problem, however, with the batteries supplying power in addition to the AC power. This resulted in too much power.

1. Dorothy Roberts designed some emblems using CoCoMax and transferred them to shirts. Anyone interested in learning more about the process should contact Dorothy.

2. Rosetta English had a problem with a software speech synthesizer on a CoCo Cassette. The speech wasn't clear enough for her tastes. Ronn Folk volunteered to bring in another speech program and some applications that he has developed.

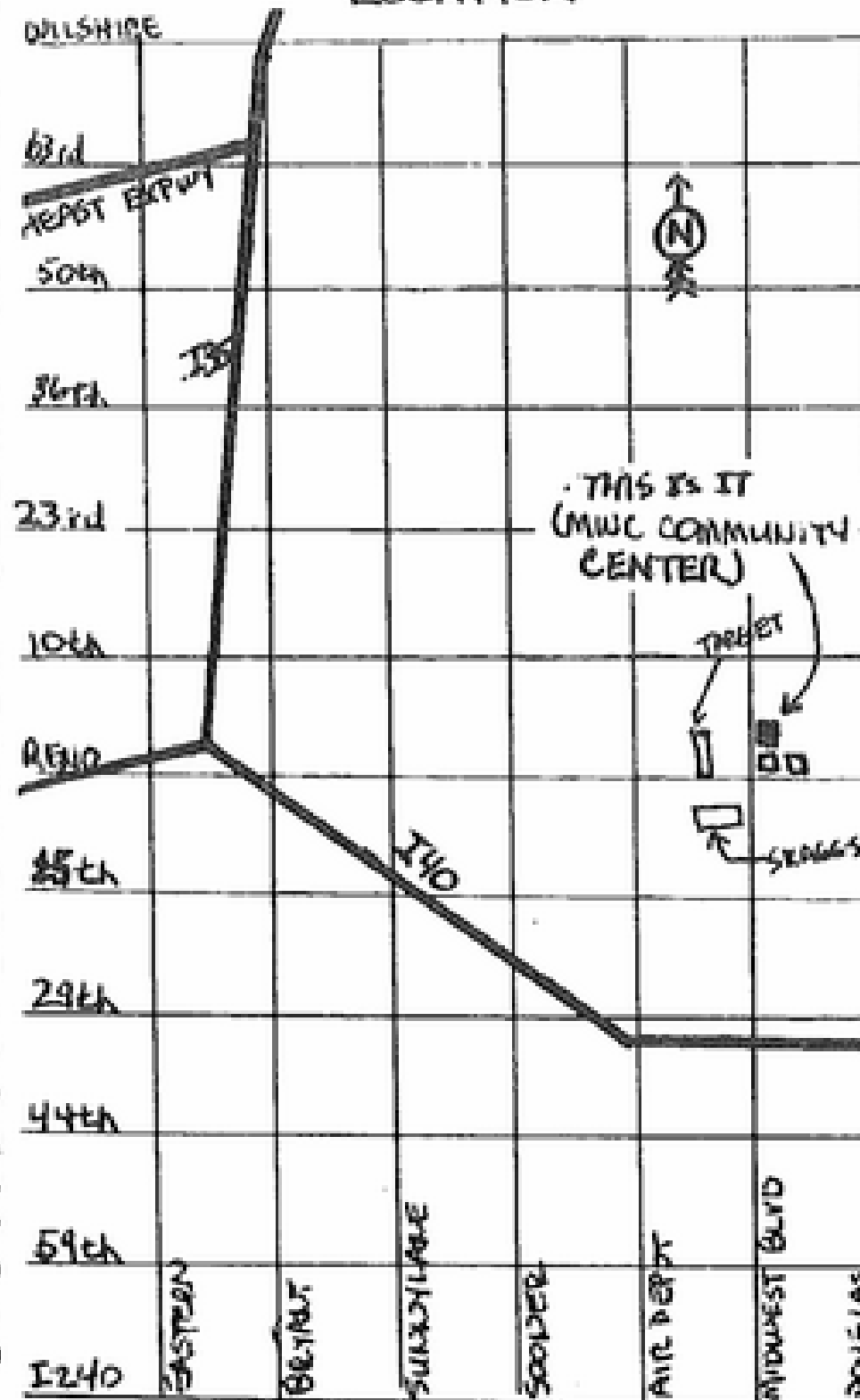
3. Rosetta was also having a problem stringing together some cartoons from the early issues of CoCo Cassette.

The Perils of a Librarian.

by Howard Wilson II
As most of you know, the CoCo public domain library is almost nonexistent. The few people who have donated include Bob Pace, Brian Davis, and Paul Gates. (I'm sorry if you have donated and are not listed above.)

The library was formed so that we can exchange software with other clubs. It's a very good idea, in my opinion, because it's an effective way to increase the number of useful and entertaining

NEW COCO, INC. MEETING LOCATION



programs that we have at our disposal.

I am the RSDOS CoCo 1&2 librarian, and Chuck West is the CoCo3 librarian, but I am unsure of the OS9 librarian. You can reach me at 376-3729. Mr. West's number is 752-8785. If you have any questions, just call.

The only way I amass programs for the library is when you bring a disk full of your favorite public domain (PD) software to a meeting. (If you're in doubt whether or not a particular program is PD, just throw it in. I will go through the disk and weed out the proprietary, or non-public, software.) Then, I'll add the legitimate programs to the library.

The only things I require are that the diskettes be single-sided, double density, and 35 tracks.

If every member would bring one disk, the library would be blooming! Sure, you lose a diskette, but what's a disk these days? (40 cents from the club's resident diskette purveyor. -- editor's note)

Doorprize Winners

INTERBANK INCIDENT - Bob Leary
MUSICA 2 - Daniel Jamet
disk box - Robert Browning
disk box - David Burkleo
disk box - Giovanni Glass
disk box - Merrill Scott, Sr.
disk box - John Boyer
blank disks - Bob Lyon
blank disks - Jim Lyon
blank disks - Allan Atwood
blank disks - Billy Gill
blank disks - Chuck West
stapler - Aaron McCollum
OS9 - Brian Davis
used disk - Ron Sonheim
pencil - Steve Moore
pencil - Jim Woolf
pencil - Jeannette Roberts
pencil - Joe Denny
pencil - Bob Lyon
pencil - Ronn Folk
paper - Paul Pape
paper - Jeff Chappell
paper - Patrick Roberts
paper - Tommy Morris
paper - Frank McCollum
paper - John Rudnicki
paper - Marty Fisher
paper - Rob Runyon
fan - Mike Weigel
Hot CoCo magazines - Paul Gates

- Martin Schiel, 670-6891



QCWA FALL MEETING: At this time do not have the date or place. Will soon be announced on the Sunday Net. The Nominating Committee for '88 Officers & Directors is headed by Ralph Rea, W5AA and most able assistance by Carl Drumeller, W5JJ & Ellard Foster, W5KE. Those cajoled or otherwise agreeing to run will be announced at this meeting. Am certain there will be many important topics to be aired at this meeting. (ED)

OC-VHF-ARC MEETING: Many, but now not so many still are members of this organization. Believe it might be one of the first in this Central Oklahoma area. A scant few of us met Sept. 19th at "The Bricks" 3100 N. Portland @ 11:30-13:30. Numbering eight (8)-a double quorum, can report the VHF-ARC is still alive & somewhat well. The next meeting will be Saturday, Oct. 17th at the same time & place listed above. Members & Non-Members alike are encouraged and sincerely asked to attend. We promise some discussions of mutual interest and, of course, good food & fellowship. The menu is varied and suitable to any & all. Unleaded coffee is also available. This meeting precedes HAMARANA '87 by one week and thus might be a good tune-up for those traveling to Lake Texoma.

QCWA Chapter 63's operation on-the-air during August 1987 as follows:

SESSIONS	5
CHECK-INS	208
TRAFFIC	20

Note: To Mr. William Goswick, K5WG, Oklahoma SM....Bill, please check in some Sunday morning. We are there at 08:00 AM LCL at 3855 KHz every Sunday morning. Please check in anytime and we like to QSO. Very possibly you have information or announcements for our net.

NOTE 2: During our first half of 1987, our chapter checked in 60% of our membership

kay

The first meeting of the new year went well. We had two new members to the club. Welcome WDOHQB, Mike Morgan and KB5XG Len Freise. Also congrats to Mike who upgraded to general at the Ponca Hamfest. There were several taking the test at the Hamfest, but Mike's the only one I've heard from in the area. Our next meeting will be on Thurs October 15th, again at 7p.m. in the Vo-Tech building. If we can find a good copy we will view the new ARRL video, if not I'll make arrangements to get another one from them. We need ALL your support, please put this date on your calendar now and reserve that date. There are several new hams in the club that have never seen some of you 'old-timers' and I've told them lots about you. Come to the next meeting so you can prove me wrong! HI HI HI! I better get this article filed via packet, pushing th deadline! 73 fer now, KD5FX

during the Sunday morning net. In making this calculation I subtracted two amateurs who hold Tech. license and five who reside far from this area.

Following is Chapter 63's Birthday list for Oct., 1987. Our very best wishes & greetings to all:

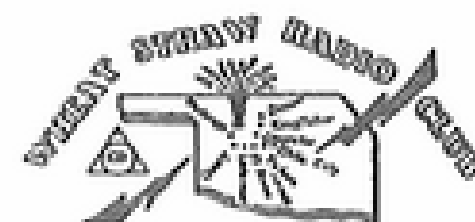
01 Dick Hawkins	W5FW
02 Ray Long	W5TY
05 Lorice Collier	YL W5LJI
14 Claude Stewart	KD5DL
18 R.E.(Bob)ARD	W5JME
20 Mae Clark	YL W5JKK
22 Edna Sheafer	YL W5WL
26 Abe Cornelson	W5LHU
27 Sam Stephens	W5H2D

<<Vy 73, Howard, W5AS>>

FOREST PK., OK(NL) Sep. 24, '87:

Personally & feel I can speak for many others, would experience the loss of an old friend if the C&E were to expire. Cannot recall the Birthdate, but it's inception dates to the early period of the Aeronautical Center ARC-followed, of course, by Central Oklahoma Radio Amateurs (CORA) during 1975 (by agreement). I feel we are all experiencing a downside swing of a cycle that will soon swing in a +++ direction. Closing this very short observation let us all be "Bullish" about the future!!

MORE ELSEWHERE



We had our September meeting at Weatherford. Hosted by K5MGZ, Perry with his watermelon feed at the park. It was a beautiful day with lots of juicy watermelon. We had 32 people at our meeting including some members of the Elk City Club. It's always nice to have other people join us for fun and fellowship.

In our meeting we discussed our meeting for October. It will be hosted by members in El Reno. Anyone wishing to attend as a guest is welcome. For the date, the 2nd Sunday in October. For exact location ask on 146.610.

Also in our meeting W05B, Ed of Okarche announced that he will be the VE head for exams, which will be held October 17, 10:00 am at the Community National Bank in Okarche. Address is Highway 81 North. This bank is on the north edge of Okarche. Everyone get your books out and code speed going so that Ed can have a good turnout for exams. For any information you may need about exam day contact W05B on 146.610.

This pretty well finished up our business for the day.

We have good news about N5JDN, Betty of Okarche, she passed her advanced theory. Congratulations, Betty!

And I'm so excited that KB5AGY Kriss, who just happens to be my young man of the family, passed his Technician test at the Red Cross exams. Way to go Kris. We're proud of you. I think he's still bouncing off the ceiling, too.

We need to say "HAPPY BIRTHDAY" TO BERTHA, N5ING, better late than never.

Several of us are planning to go to Texhoma for their hamfest. The date is October 24, 25 for those of you who may not have received information in the mail. We have lots of fun every year, so hope to see even more club members there.

This pretty well sums up everything on our end. Just enjoy the beautiful weather because it can't last forever.

Hope to see everyone in El Reno next month.

Jan, N5JUT

<<DUNCAN, OKLAHOMA NEWS>>

During the Aug. 8th Sunday Net Sam Isaacs, W5UGA, Duncan, Oklahoma alluded to the "Worlds Largest Garage Sale", but did give any explicit details. Tried to get Sam before he left the air, but "no luck". Monday dropped him a line with request for more info.

Sam responded with a letter on the 13th, and for which sincere thanks. He had disposed of the Sunday paper that had "Most of the pertinent information relative to this occassion. However I will try to delineate such information as my memory will divulge"...as follows:

About three years ago, the local Chamber of Commerce, the city & other organizations decided to generate more activity in the Down Town Area. They hired a Director to devote much of her time to the rejuvenation of the Downtown Area. Apparently this "Garage Sale" was her idea plus numerous methods to beautify this area. Now only two years old this event cannot yet be classed as a "Legend". It does appear a good idea that should continue; perhaps into an even larger operation. I should think that the name "Largest Garage Sale" is in the public domain & doubt it has been copyrighted.

Am not sure that it could be larger for it encompassed almost the entire town of Duncan. There were reportedly 330 sites registered with the Sponsoring Organization & am sure there were others who "Piggie-backed". Some sites were at homes, some in parks, and in front of Downtown Stores. The parking proclivities of the would be customers made it very difficult navigate the residential areas. Then they blocked part of Downtown for pedestrian traffic. I could not build courage to brave this traffic. In particular a man does not have the ghost of a chance!!

We seem a bit more lively-business wise now. The Oil Activity is slowly increasing which helps business & employment. Believe this "World's Largest Garage Sale" has instilled a bit more confidence in our Citizenary. Let's hope so. Sincerely yours, Sam C. Isaacs, W5UGA.

Tnx Sam for this excellent info. Am sure our 63ers will read this with pleasure. Perhaps we can induce you for a 1988 update-in advance.

Next month look for a similar coverage from my Home Town, Nevada, Iowa. The event is called "Lincoln Highway Days". This week-end is the start of it's 4th annual event. It may be approaching "Legend" status; reportedly it is the only such event along the 3200 mile stretch from NYC to San Francisco that was old U.S. Hwy 30., but is now paralleled by Interstates. Started about 1913 it was mostly dirt & lots of mud during wet weather. Reportedly some brave souls braved the entire route about 1917 in automobiles ill equipped for detours and marginal roads at best.

So now to the printer without benefit-time wise to edit & correct whatever mistakes exist!!

Vy 73, Fred, W5NL

TEXOMA HAMARANA '87: This event, October 24-25, 1987 must be labeled the "biggie" for this particular area, at least. For those early birds (including RV-ers) the "Hospitality hour" takes place Friday

evening, Oct. 23rd (7:00PM-9:00PM) Please note Pre-registration is still only \$8.00 per person and needs to be postmarked no later than Oct. 10th. The Hamarana Banquet is \$12.50/person; the Hamarana Dance is \$12.00/couple-\$7.00/single & the QCWA Breakfast is \$7.00/person. If you do not have the mail-out the address is Texoma Hamarana Assoc., P.O. Box 610892, DFW Airport, TX., 75261.

This Hamarana has been labeled as "going Big-Time" With "Top-Drawer Programs, almost twice as many as last year & headlined by NASA's SAREX Project Manager, Lou McFadin, W5DID. The Ladies are in for an enjoyable time also with Jeannine Dollar and Julia Young in charge once again". Anyone need a copy of the Mail-Out?? If the number is not overwhelming.

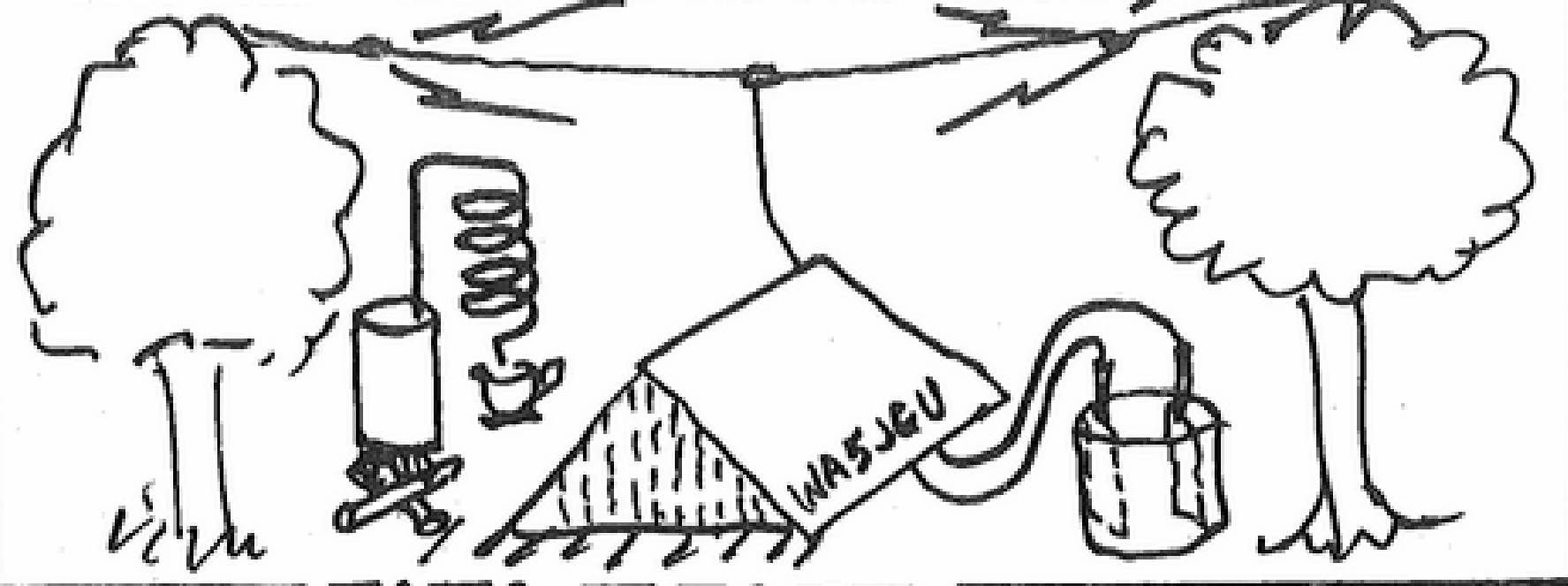
LAST CHANCE (BEFORE SNOW) CAMPOUT/WEINER ROAST BROUGHT BACK BY POPULAR DEMAND NOVEMBER 20, 21, 22

LITTLE RIVER STATE PARK, CLEAR BAY AREA, SOUTH SIDE OF
LAKE THUNDERBIRD - ABOUT 16 MILES EAST OF I-35 ON SH 9

TALK IN 146.88

PARK YOUR CAMPER/TRAILER/MOTORHOME/PUP TENT/ETC FOR
THE WEEKEND OR COME FOR THE WEINER ROAST SATURDAY @

6:00 P.M. BRING YOUR OWN FOOD & DRINK.





Minutes of Club Meeting

Meeting was called to order 12:30 p.m., September 19, 1987 at the Bricks restaurant by President Jerry, KD5IS, with eight members present.

The group discussed the August 6 letter survey and its responses from the members. In response to that survey, a motion was passed that the club station, W5LOW, be moved to Charlie Greene, WA5JGU's, residence, subject to his approval. Motion was passed that the two towers located at the old 10th and Hudson Red Cross facility be donated to the Red Cross.

The October meeting will be on the 17th. It will be another lunch meeting at the Bricks, starting around 11:30 am.

November meeting will be at Lake Thunderbird, sponsored by Charlie, WA5JGU, and Bob, W5HXL. Details will be in the November C&E.

Joe, K5JB, Sec'y

The DR-200 Packet Switch

Last month I described the Pac-Comm DR-200 packet switches that some of us were playing around with. These devices are dual port packet assembler/disassemblers. With two radios, you can connect to one port and tell the switch to make a connect with someone else on that port, or preferably, on the other port. Their hardware configuration makes them a network device but they lack the operating program to make them perform as a network device if two or more of them are used in a packet circuit.

The difference between the function of these switches and that of digipeaters is that packets are sent to these switches and they respond to the sending station with an acknowledgment (ACK) if the packet was received correctly. A digipeater does not send back an ACK. Then, the switch sends a new packet with a new address header to the next station down the line and hopes to get an ACK from it. A digipeater alters a bit in the packet header and retransmits it, hoping the next station in the address list hears it. When switches are used and a packet reaches its destination, an ACK is sent back to the switch that sent it and the activity related to that packet stops. If a digipeater system had been used, the ACK would have been relayed, in reverse order, through the string of

digipeaters that handled the information packet.

The major thing lacking in the DR-200 switch operating program is retention of the sending station's identity beyond the switch. In other words, when you are connected to the switch, you are logically connected to the switch and not to station on the other end of the circuit you are using. If one switch is involved, it forwards an informative message, containing the identity of who is commanding it, as soon as it connects to the next station in a circuit. In the versions we are using this message might say, "*** LINKED to K5JB". In response to this message, a switch will send back a friendly little greeting like, "*** LINKED to CHN", but this is purely cosmetics.

If I connect to the OKC switch, WD5HJL-1, and tell it to CA (connect alternate) to OU, it connects to OU on UHF and sends the message, "*** LINKED to K5JB", to OU. Frankly, "OU" couldn't care less, but it politely sends back a packet that says, "*** LINKED to OU". If I then ask OU to connect, using its alternate port on .05, to WD4LPU, it does so but Cliff gets a message from his TNC that says "*** CONNECTED to OU" and the OU switch sends a message, "*** LINKED to OKC". At this point Cliffie has no idea who has REALLY connected to him. The problem occurs when two or more switches are connected. Remember that they were not intended to have network code in them so there are no surprises here. It just points out some of the thinking that has to go into making a network work. (Sounds like an echo here.)

There are some software bugs (sometimes called "features") in the DR-200 code but none of them are worth fixing because the code will undoubtedly be changed "real soon now" with completely different code with a whole new set of "features"!

There are at least two projects going to write network code for these switches. The COSI code is one and there was a note circulated that a test version would be available on October 1. Howard Goldstein, N2WX, who wrote the DR-200 code and the TNC-2 code, has some code he is testing that will permit a user to make a circuit by issuing a command to the switch containing the routing information. It is intended to later replace this with code that will permit the routing tables to be kept in the switch so the user can call them up by name. No word has been received on how soon this code will be available but I am in there trying to be first in line. One thing about Howie is that he has a proven track record and can do it if he wants to.

Another fundamental network requirement that is not written into the switch code (and maybe not in NET/ROM either) is a way for the sender (or his hardware) to know which packets have made it to the destination. When using digipeaters, the sender can currently tell by watching the TNC's status LED, (or the indicator on the terminal screen that gives numbers of outstanding packets). But with a switch, as soon as the nearest switch acknowledges a packet, the LED goes out. When you are closing a QSO, it is probably best to let the station on the other end disconnect so you know all the packets have been received. But what if there is no one there? There needs to be an end-to-end protocol that numbers packets and has the station on the end send some kind of supervisory packet back advising what packet number is being acknowledged. I suppose the COSI or the TCP/IP will provide this type of envelope end-to-end checking.

There are a few little bugs that probably not worth fixing if the code is going to be replaced anyway.

The switches identify too often and whether they are used or not. They are supposed to identify in intervals slightly less than 10 minutes but are running about half that interval. I would have been upset about the unnecessary identifications if it were not for the band already being cluttered with spurious beacons and identifications anyway. I hardly notice the switches' identifications amongst all the BBS POOP and BEEK POOP!

Since I thought this would be the easiest part of the program to find and change, I started looking for it and it became an obsession. I still have not found it but I have had a lot of fun disassembling the code and learning how it works.

It first it appeared that if the switch failed to get an acknowledgment on the first transmission of a packet, it would re-send the packet twice. I think I found how it happens though. There is a loop in the code that is responding to activity of the serial interface device and it gets stuck if there is no audio activity from the receiver. In packet jargon, it is "backing off" thinking a carrier is present. Fortunately, the cure for this was simple, leave the squelch open. It shouldn't have been queuing packets though.

The performance seems to be pretty good since I reduced the receiver audio requirement by about 100 dB. None of the four switches on the air have had a single software latch-up that I am aware of and they ought to perform well at their intended destinations. Dave, WB5FWE, and I have

been running a UHF link with mixed results. It is a rather long path for modest home installations and sometimes his signal is real strong at my house, sometimes not so.

When the UHF signals are good the switches work well. I think we have found a good link frequency but will not be able to pin it down until it is tested at the final sites (CHN, OKC and OU). KAOTTY, and John, N5DKQ, in Wichita, KS contacted me to discuss our DR-200 activity and I sent them the patches for the switch there, ICT. They may be able to hit the Chandler site if things work out well.

We will probably install the switches with the existing code if necessary. As soon as some network code is available we will be able to give it a good test. Joe, K5JB

What Others Are Doing

Most of the rest of the world is putting in NET/ROM, and there will probably be some in close range to us in central Oklahoma soon. Smitty, AC5C, and Larry, WA7UIB, are cooking up a scheme to put NET/ROM on the El Reno site (ELR), Cedar Springs (CEDAR), and Pond Creek (currently WB5RRR-1), and perhaps others. Bob, WB5AOH, in Fort Gibson is building a bunch of Texnet nodes for the Eastern and Southeastern part of the state. It is unknown if they will try to link up with Texas or not. Initially, these network devices will probably all add to the traffic on .01 rather than reduce it until some alternate frequency trunking links are established. So, if the frequency seems more cluttered when they go on the air, just remember, "It only hurts for a little while!"

Several of the Kantronics owners have responded to advertisements with the phrase "TCP/IP networking compatible" and obtained the new EPROMS for their units. These EPROMS contain routines called "KISS" (guess what that means) so they can be used with TCP/IP code written for the IBM PC and compatibles. I am unaware of anyone preparing to go the TCP/IP route though I suspect it will be the most robust route to go and may offer inter-network facilities for connecting NET/ROM, Texnet, COSI, and whatever, networks.

Incidentally, the KISS protocol is available free for the TNC-2 and comes installed in the AEA PK-232, though AEA's advertisements don't mention it.

I intended to do more switch testing than I did. There are a lot of unanswered questions about capacity, interchannel interference, etc. The

next article explains why there was an abrupt curtailment of my packet experiments this month.

Joe, K5JB

Wow! That Was Close!

A little over a week ago I got another taste of frisky flickering from Mother Nature. While sitting at the kitchen table, watching a thunderstorm in progress, I heard a "CRACK!" and simultaneously saw a flash of light. "Uh-Oh, that was close, thought I." "Like HERE!" I went into the ham shack and found some lights on that weren't supposed to be, some off that weren't supposed to be and I smelled smoke. I only had one rig connected to an antenna but several others idling. (I have a pretty well protected 12V bus that I run everything on.) Since it was still storming heavily, I shut everything off, disconnected the remaining antenna and took a nap. (Sorta like a catatonic withdrawal from shock!)

When I awoke I started checking things out. I still, two weeks later, don't know what all was busted. So far the count is: One computer, Two TNCs, One radio, a beam antenna rotor indicator, a VHF amplifier, an automatic battery charger circuit, a Model 43 TTY machine and an unknown number of feedlines and antennas. When I turned the IC-720 on it started continuously cycling the band change solenoids. Removing the power from its memory circuits removed its memory of the trauma and it started working normally.

The last time I remember getting a hit from a nearby strike, I was able to get everything working with almost trivial ease. This time it was not to be. I first tackled the TNC-1. This thing was not plugged into anything but the Kenwood TS-700 (which was not connected to power or antenna) and the Model 43 (which was also not connected to power). I guess an electromagnetic pulse from the strike induced enough voltage on the 50 foot RS-232 cable between them to zap them. The TNC-1 didn't respond to an RS-232 interface device transplant so I left it with the other mortally wounded to be looked into later.

The rig that was zapped seemed to be still working. I tested its receiver sensitivity and transmitter output, etc. and it seemed to be OK. This rig was connected to the antenna and was the one that was keyed up when I came into the room. The only thing I could find wrong with it was the "S-Meter" LED display. Half of the LEDs were stuck in the "ON" position. I presume it was the driver IC, but since I have no source for them I boxed it up and sent it to Icom to fix.

The Computer that folded was the Apple 2c that I use for a terminal. It seemed to be still working but I found the RS-232 circuit would drive some devices and not others. I swapped it with the bulletin board computer but then found it had serious nervous system problems. It looked like its serial interface device was creating interrupts when a cable was connected to it. Off it went to the computer hospital for a brain transplant.

The TNC-2 that was connected at the time really took a jolt. I found its 5 Volt bus shorted to ground. I started pulling and testing ICs with an Ohmmeter from Vcc pins to ground and putting them in two piles. One was for ICs with less than 100 Ohms and one for those having pretty high resistance. After all had been plugged and tested I had about one third of the total in the "low resistance" pile. Next day I called Gwyn Reedy, W1BEL, of Pac-Comm. His company sells various kit stages for TNC-2 designs. (His company's version is the TNC-200.) He obliged with an IC kit that, hopefully, will allow me to plug and play. I restored the power supplies and have all the correct voltages so it should be safe to plug in the ICs now. Since I initially built this TNC I am not particularly concerned about getting it fixed. It is only a matter of time.

My TNC-1 had been dormant until we recently started a Local Area Net (LAN) on 145.05 and I have become accustomed to having it around and connected to the Model 43 printing terminal. I really miss them but they will just have to wait until I get around to them. I am more concerned about getting the Model 43 running than any of the rest of the equipment because I don't have maintenance documentation for this particular model. It is the buffered one which handles 1200 bps on its serial port and I am hoping it is as easy to fix as the unbuffered one was the last time I took a lick. On the latter case, all I had to do was replace the two ICs that connect to the outside world...hope, hope!

Today I discovered that the amplifier I was using for the Kenwood TS-700 on output. No wonder people have been having trouble working switches connected to that rig! Haven't looked at it to see if it is a keying circuit, or what.

This is the worst hit I have taken. I don't think I could have avoided some damage, though it would be reduced if nothing had I not had an antenna connected. I am really glad it was one that went "Crack!" instead of "Ker WHAMMM!" More about the results next month. Joe, K5JB

Q. R. Zedd

TONDELAYO CLEARS THE AIR

Not long after her performance at the Ham Holiday lingerie show got everybody arrested, your favorite QSL secretary, Tondelayo, met the press.

In case you haven't been paying attention, Tondelayo is Mrs. Zedd. Formerly Tondelayo Schwartz, blond, nubile, teenage secretary to the great man, the cutest graduate in the history of Harvard Business College is now a settled, proper, conservative housewife and, recently, a mother for the first time.

Let it also be added for the record that she was not naked up there; her costume just didn't reflect light very well.

The darling girl's press conference was held at Honor Roll Ranch, just a hoot and a holler south of town, where she lives with Q.R. Zedd, A5A, greatest DXer in world history and a source of constant inspiration to us all.

Tondelayo said she wanted to tell us how she felt about becoming a mommy, and to clear the air about the mass arrests during her performance in Oklahoma City.

"I want to tell you how I feel about becoming a mommy, and to clear the air about the arrests during my dance at Ham Holiday," the precious thing said.

Tondelayo, fetchingly done up in a candy-stripe bikini sunsuit, wide-brimmed hat loaded up on 15 meters and five-inch silver spikes, had never looked better, in the opinion of veteran starers. She had a very nice tan, and quite a lot of it. Her golden hair lay across her bare shoulders in tight ringlets stirred occasionally by the gentle west wind or someone's heavy breathing. Her blue eyes sizzled with good cheer and enthusiasm for life. The blue of her eyes and the gold of her hair were a blend of the western sky, and the moonlight beams on --

Sorry. Carried away.

Young Zepp, three months,

was along. Zepp looked kind of chunky and rubbery, but all small kids look that way. He was teething and slobbering on a J-38 straight key, and looking kind of far away as he listened to whatever was on the cassette machine plugged into his left ear. (Which proved, on subsequent investigation, to be a code tape from the Gordon West radio school.)

"Well, fellers," Tondelayo beamed, turning around three times, "as y'all can plainly see, bein' a mommy did not hurt me any. An' as to the thing that happened up there at Ham Holiday, all I can say is, there was nothin' indecent about the outfit I wore or the dance I did, and besides, Andi made me do it."

After waiting for a SCARS club reporter to climb back into the bleachers (he had fallen off during her second turn-around), the darling girl continued.

"As y'all can plainly see as well, lil Zeppie is a MARVELOUS little guy, a rill chip off the ole block, an' a joy forever. As soon as he learns what words are, we think he'll be a rill fahn CW operator in no time. He's rill, rill smart. An' he rilly

likes to work on electronic stuff. He has already taken two radios apart, and ever' time we even mention W5SQJ's garage, he gets the slobbers so bad we haf to put a diaper on him at both ends.

"So Zeppie is jus' FAHN!

"Now about the lil deal at the lingerie show, I just wanna say I thought I had approval of my superiors. I thought it was a neat idea. An' I SAID rill clear what kind of a dance I intended to do, an' I held my costume right up to the light for everybody to see before I put it on. I remember that rill clear because that was when somebody said you could read a newspaper through it, and we tried it and found out you could only read the headlines that way. Which, as ever'body who ever went to Harvard knows, clearly means it is not in the prurient interest, but might oughtta be avoided if you wear a pacemaker. So I am innocent, speaking in the legalistic sense only, of course. And I think whoever called the police was a lid, an' that's the nicest thing I can think to

call 'em. Why, if this kind of criticism keeps on keepin' on, I don't know if I can do my tap dancing at the club Christmas party this year. I mean, I know that's extreme, but what's a girl to do?

"Now are there any questions?"

There were several from the assembled press gallery:

C&E: Are the rumors we hear true? Is Q.R. planning a new DXpedition soon?

TONDELAYO: "There has been some talk... yayus...but nothing has been decided yet."

AP: Has young Zepp sent any CW that makes sense yet?

TONDELAYO: "Well, his daddy an' me think we've heard some valid contact signals, but we know parents do dote, so we're not makin' any claims for the lil booger jus' yet."

CNN: Do you think we've seen the last of Boris Badenov, Soviet DX ace?

TONDELAYO: "Mah goodness, I don't think so! Why, jus' today we got a rill nasty note from him, an' a complaint that the Twinkie folks have cut down on the amount of cream they're usin'."

CNN: Just a fast follow-up, please! We heard that Badenov is back in a Russian hospital.

TONDELAYO: "Yayus, we heard the same thang, an' we checked an' it's true. The way we heard it, ole Boris tried to git ... um... rill chummy with Natasha again, after they left here last month, an' she was still broken-hearted an' pinin' for WB5RZX, so she stuck Boris with her knife, rill good."

REUTERS: Where did she stick him, if you know?

TONDELAYO: "We heard it was over the Bering Sea."

UPI: We heard that the comment from Bill Blast, moderator of the famed Blast Off DX Net, was to the effect that --

TONDELAYO: "Fudge and pooh! Ah mean, pardon me for talkin' rill nasty, boys, but it jus' makes me SO mad when guys like Bill Blast or Cappy Sator say mean stuff about my darlin' Q. They're jus' jealous, that's all, and that's my final word on it!"

The press conference ended soon thereafter. Tondelayo went to town in the pink Toyota Land Rover, taking Zepp along. As to the great man himself, he was spied through a side window

Continued on BACK page

Central Oklahoma Radio Amateurs

The regular meeting of CORA was called to order by President Jim Buswell, NSBEQ, at 7:03 p. m. on August 25, 1987. Directors present were:

ACARC	Charlie
Greene, WASJGU;	Tom Mangham,
KSLDI	
VHF	Ellard Foster,
WSKE; Bob Ashby,	WSHXL
MORI	Nora Ward,
NSKDX; Tim Rauscher,	KASMUG
OCAPA	Ken Goddard,
WASDTL; Craig Wright,	KBSBOB;
	D. C.
MacDonald, K2GKK	
76'ers	Jerry Sproul,
NSAUX	
EARS	Frank Tassone,
KASWGS; Lee Vaughn,	KASWIS;
	John Thomason,
WBSSYT	
SCARS	Monte Bateman,
WBSRZX; Don Schader,	KBSABS;
	Marshall
Maddox, WUSP	
OUARC	David Medders,
KSPL; Mark Kleine,	NSHZR;
	Louis
Russell, KDSWA	
EARC	Lee Ward,
NSHIR; Phil Wolfenbarger,	
NSHIP	
Tri-City	Robert Dolton,
KASRHU; John Warriner,	KESMT
C & E	Joe Harding,
WASZNF	

Visitors present were Chuck Wilhite, KSNK; Dorinda Skaggs, NSIUA; D. J. Watkins, WBSSRX.

Motion was made by Mac, K2GKK, seconded by Charlie, WASJGU, that the paragraph in the minutes of the July meeting pertaining to dues in arrears be specifically deleted from the copy of the minutes that is printed in the C & E. Motion was amended by Bob, WSHXL, second by Tom, KSLDI, to delete only that portion pertaining to Aeronautical Center. Amendment was then changed to say "delete the entire sentence concerning dues in arrears." Lee, NSHIR, pointed out that the minutes had not yet been approved, therefore the motion was out of order. Bob, WSHXL, made a motion, seconded by Mac, K2GKK, that the minutes be corrected by deleting the

sentence pertaining to MORI and Aeronautical Center, and substitute that various clubs owe approximately \$750.00. Motion carried, with four nays. Louis, KDSWA, reopened discussion concerning the ethical question of changing the minutes so they do not reflect what actually happened at the meeting. Lee, NSHIR, stated the minutes should stand as they are because they are a factual record of the events of that meeting. Chuck, KSNK, suggested the board approve the minutes as they are written and then entertain motions concerning publication.

Motion was made by Dave, KSPL, seconded by Lee, KASWIS, and made by Joe, WASZNF, seconded by Mac, K2GKK, that the minutes of the previous meeting be approved as distributed and go on with the meeting. MOTION CARRIED UNANIMOUSLY.

Mac, K2GKK, made a motion that the references as to who is in arrears be deleted from the published version of the C & E. Tom, KSLDI, seconded the motion. Tim, KASMUG, asked if the motion included the statement about the C & E being broke, stating he felt that should not be published. Joe, WASZNF, called the question. Motion defeated.

Mark, NSHZR, reported a current balance of \$360.86 in the C & E account. Present balance in the Ham Holiday account is \$2,125.16. Motion was made by Lee, NSHIR, seconded by Joe, WASZNF, that the treasurer's report be accepted as presented. Motion carried.

Joe, WASZNF reported he will publish approximately ten pages in the next issue because that is all the money that is available.

Lee, NSHIR, reported the first two VE sessions at Ham Holiday had 18 candidates each, and the third session had 10. Pass rates were approximately 65%, 57% and 30%, respectively. The regular third Monday session had 12 applicants, with a 46% pass rate.

The remainder of the meeting was devoted to committee

reports from Ham Holiday '87.

The ARRL booth was not manned all the time; several members of the board suggested QCWA be asked to rectify this problem in the future.

Craig, KBSBOB, said he was asked by the Dealer/Prize Committee to report that the "lead" dealer said the service at the hotel was very poor, and if the hamfest is held at the Lincoln Plaza next year they will not be back. Louis, KDSWA, said he and Dave, KSPL, personally talked with every dealer at HH '87 and the only comment they got was that they would prefer a 9:00 starting time.

There was lengthy discussion concerning the flea market losing \$400.00. Louis reported the flea market went over budget, which was \$100.00, but that is not the same as a loss. He said we had almost twice as many people in the flea market as last year, and he felt the flea market was exceedingly successful.

John, WBSSYT, said he had heard several favorable comments on the programs--even that they exceeded the quality of programs at the national convention. The Friday night programs, especially, were well received and well attended. Louis said this was the first hamfest he had ever been to where people were trying to decide what program to attend rather than whether to attend a program.

Dorinda, NSIUA, reported attendance was good at all the non-technical programs, especially the lingerie show. The President reported the only two written comments that had been received concerned the return of bingo for next year. Dorinda suggested the possibility of setting up a separate committee for that effort.

Lee, KASWIS, turned over his cash report to Mark then discussed several suggestions he had for the improvement of the tickets in order to simplify the jobs in registration in the future. He also reported that the youth tickets made the difference in several families

Continued

SUN	MON	TUE	WED	THU	FRI	SAT
OCTOBER			Novice Classes Start October 12 At SCARS See their article	AERONAUTICAL TRI-CITY 1	2	3
4	5	MORI 6 GREAT PLAINS	7	8 ALTUS AREA OKC/PM	9	10 SCARS COCO
WHEATSTRAW 11	EDMOND CLUB 12	13 OIDAR OU 76'ers ARES	14	15 CINARRON KAY	16 EARS	17 VHF
18	19 VE EXAMS RED CROSS 6:00 PM	20 AUTOPATCH	21	22	23 EDIT NIGHT for C & E	24
25	26	27 CORA	28	29	30	31 Halloween

THE BIG SIGNAL

this Big old Boy about two months ago at one of the regular club meetings. I had heard him on the Night Owl Net several times and he sounded like a respectable sort of fellow, except he was always throwing out a Bunch of Bull about his newly formed Red Bud Net on 10 meters. He made a lasting impression on me, for after the regular club meeting, several of us went out for the second meeting and here he came driving up in this Bucket of Bolts he called an automobile. After sitting down in the restaurant, I could tell he was a Blind old Bat for he had to have someone read the menu for him. You could tell he was a Big old Bully by the way he talked, especially when he started calling his wife a Bag of Bones. I found out that he was a former Oily, having gotten his degree in Biology of Bugs. He kept shooting this Bunch of Bologna about what a great softball player he was. I went to one of his games one night and all he ever did was strike out or get a Base on Balls.

Oh yea, I just remembered his name and call. Its KB5BOB, Craig Wright. Craig's dad, WB5ZOL, is a former member of the club. Anyway, Craig is a fine young man that everyone needs to know. He is very enthusiastic about his new hobby and is trying to set the world on fire his first year.

Craig really enjoyed his first Ham Holiday. He spent about half his time in the VE examination room, not helping, but trying to pass the 13 words per minute. I understand it was his intention to buy a new radio, but funds became a little short after having to cough up the Four Bucks so often. Anyway, he

finally did it. Rumor also has it that his wife couldn't understand why he wanted to be away from home for two days and she had threatened him with his life if he brought any new radios home with him.

Craig has a callsign that is the envy of every BOB in town. I understand he has been bribed in all sorts of ways to sell his call, but he is holding out for more money. He is waiting for the appropriate time to request a new "N" call, hoping that he will be assigned N5JOE. That way, he can sell his BOB call for a few bucks, buy some new radios, keep the JOE call for awhile, sell it, buy some more radios, and then upgrade to advanced so he can get a new call.

Craig enjoys life. He told me about spending his honeymoon in Hawaii and all the things he did. It seems times were good for Craig during those years and he managed to spend several thousand bucks on his new bride by taking her on helicopter rides, snorkeling and the like. Boy he wishes he had all that money back now.

All kidding aside, Craig is a nice young man and we are fortunate to have him in the club, even if he is a Bad old B.....! K5NK

MORE CORA

attending Ham Holiday because they did not want to pay the admission price for their children.

Phil, NSHIP, commended the EARS/Red Cross Explorer Post for their help with security.

Phil also reported talk-in went well, but closer coordination is needed with programs, etc.

Bob, WSHXL, commended the prize committee for the excellent job they did.

No old or new business was brought before the board.

On motion by Mark, NSH2R, second by Mac, K2GKK, meeting adjourned at 8:44 p.m.

Submitted by: Lee Ward, NSHIR

Q. R. ZEDD

to the walk-in linear, bent over a work table, studying maps of remote sections of our planet. It appeared a good omen for the DX world.

-- KU5B

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