

Second Class Mail

Volume 20 February 1994 Number 228

Death has stilled the "roar" of W 5 Man Eating Lion of Oklahoma City.

Leonard Hanstein, retired high school teacher of the famous, not so famous, and a few infamous died today (17 Jan 94) in Baptist Hospital, Oklahoma City. Leonard had fought valiantly against severe heart problems for the past ten years or more.

Leonard was one of the true "characters" in a large cast of "characters". He served with the US Air Corps in the Pacific theater as a RADAR technician (among other things) during WWII.

At one time during his life, he travelled with a circus as a sideshow performer. His stories of an exuberant voyage through life are poignant reminders of a man whose presence will be missed by those of us fortunate enough to have known him. Those who never knew him are poorer for that lack.

Rest in peace, Leonard!

de Mac/K2GKK @ K5JB.#OKC.OK.USA

S.C.A.R.S.

The monthly meeting of the South Canadian Amateur Radio Society occurred, as usual, on the second Saturday of January at, of all places, the usual place - the American Red Cross Building on North Campus.

The meeting was called to order by President N5KUJ at 9:33 CST with 38 members and guests present, including for the second month in a row, W5UZD, who stayed for the entire meeting (brace the roof). Introductions were made with some members having items for sale, trade, or want. Several new faces were in the room, and that is always good to see. A report was made by the repeater trustee, N5EW, on the repairs made on the repeater antenna during Christmas week. Repairs were made to several connections on the harness at the

antenna and major work was done on the N connector at the antenna end of the Heliak. 4 hours in the air only cost us \$185. So far during the coldest weather, we have not heard the usual pops and drops that we formerly had during cold periods. The intown receiver is once again on the air and the UHF repeater should be up late in January on 443.7. The location is yet to be determined.

Treasurer Bill, N5UMH, reports that we do have money after the bills are paid and dues are coming in. REMEMBER, DUES ARE DUE. If you cannot make it to a meeting, send them to: SCARS P.O. Box 720993 Norman, OK 73072 and we will rush your C&E form to fill out back to you with armed guards to insure its quick receipt. Better... (Please turn to page 2...)

ENOUGH IS ENOUGH.

I have received many phone calls and lots of talk on the repeaters, about complaints on the way the C&E is being handled. To start off with, the first 3/4 of the December CORA meeting was devoted to nothing but this very subject. If your club did not get a report on this, then check with the club representative that attended the meeting.

We are trying to put together a package of events and activities that all of CORA can participate in and be proud of. As one of the last multi-club organizations left in the nation we have a rare and special opportunity to showcase what we can do.

As a new comer to the amateur community I really don't care what has happened in the past, just what is in the future. We can either go forward or backward, the choice is yours.

I however am one who believes that in a community of around 1 million people surely there are some who share this sentiment. Those who have been hams for many years can, if they choose to, take it upon themselves to either welcome and embrace those who are new or they can abandon that which they dearly love. We can make things better or we can make them worse.

I am available to make contact with all who have a real complaint but if articles are not supplied to your club editor and then forwarded to the C&E editor. There is no way

(Please turn to page 11)

VE TESTS

VE Exams on 3rd Monday of each month sponsored by C.O.R.A. 1800 @ Salvation Army HQ at NW 50th and N Penn, Okla City.

VE Exams on 3rd Saturday of each month are held at 0900 in Math/Science building at Rose State College in Midwest City.

VE Exams on 1st Sunday of each month sponsored by MORI. 1400 @ radio station KOMA, 820 SW 4th Street, Moore, OK

VE Exams on 4th Tuesday of each month are held at 1900 in Bethel Acres Community Center/Fire Dept. near Shawnee.

VE Exams on 2nd Saturday of each month are held at 1000 in Red Cross Center in Norman.

South Canadian Amateur Radio Society (SCARS) will conduct amateur radio classes for Novice and Technician class licenses. Classes will be held on Monday evenings (1900-2100) from 17 Jan through 07 Mar at the Norman Red Cross. Call 329-1659, ext. 426 for more info via voice mail system.

STOLEN:

Alinco DJ-180 2m HT. Call Cliff/KC5DNI @ 405-997-3280 if found.

S.C.A.R.S.

(Continued from page 1.)

yet, just come to the meeting in February and do it then.

A club packet BBS was discussed and some volunteered (read-had their arms twisted) to look into that possibility.

The CORA report was distributed in printed form by KI5TP. There was some discussion regarding it and the time for HH94. The editor of the C&E noted that he would no longer extend deadlines for the C&E, that it would be put to bed on the 23rd of each and every month. If clubs didn't have an item in, a header would be left with an appropriate blank spot indicating that a club's notes would be here if any had been sent in. Some comment was made regarding our notes and the lack thereof in the past several months. I have thick skin and a busy schedule. Anyone who would like to volunteer to do this, more power to them. It's no ego trip for me. Let me know

before the February meeting and I will personally nominate you for the reporters job.

We have had a few for VE testing each month, but more would always be welcome. Let me shout this: THERE IS VE TESTING AT THE AMERICAN RED CROSS BUILDING ON NORTH CAMPUS IN NORMAN EVERY SECOND SATURDAY IMMEDIATELY AFTER THE SCARS MEETING.

The Novice/Tech class started on the 17th and will continue to meet on Mondays for the next 7 weeks. We had 57 pre-enrolled and chairs had to be moved in from all over the building. N5HZR should be commended for kicking it off, as well as those helping out with the teaching: K5KDR, WB5ULK, KC5RI, N5KUK, N3US, and Jim, NW0K who ramrods the VE team. Thanks, guys. Meeting was adjourned at 10:00 CST. Next meeting: Lincoln's real birthday, February 12, 9:30 am.

de WB5ULK

Editors

Scott Walsh, N5NYS

Joe Harding, WA3ZNP

Editor Emeritus

Joe Harding, WA3ZNP

CORA

Rick Mastera, N5WNR-President

Kathy DeGraffenreid, AA5RU-VP

Jim Buswell, N5BEQ-Secretary

Tom Mangham, K5LDL-Treasurer

Dear Subscriber,

PLEASE help us keep your information up to date. Check your entry on the back page. If there appears to be a mistake, check with your club officials and have it changed.

Dear Secretary/Treasurer,

When you want a change of any sort to your membership, you must fill out completely a subscription slip. Watch for the date you received their money and the date the subscription expires. Have your slips, or a list of deletions submitted by the 22nd of each month. If there is anything about the C&E subscriptions you need to know, please contact us.

Story information, as well as letters to the Editor should be sent to:

Scott Walsh, N5NYS

680 Annwood Dr.

Yukon, OK 73079-2000

or left in their entirety on the BBS at (405)354-3241, N81, 1200-144h. You can also leave your article in N5PHW's mailbox on 145.03 or get in touch with K5JB on 145.01 packet.

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Oklahoma City Autopatch Association

MINUTES OF THE OCAPA MEETING January 18, 1994

The meeting was called to order by Brad KJ0W at 7:30pm.

The minutes of the November meeting and Christmas party were read by John N5SAM, seconded and passed. December and January's Treasurers report was read by Mike N5VIT, seconded and accepted. Brad told the group of the passing of Leonard W5MEL. Leonard passed away Monday the 17th after battling heart problems for several years. A moment of silence was held to remember Leonard and the things he did for the ham community.

TECHNICAL COMMITTEE - Mike N5VIT reports that circulators have been purchased and will be installed soon. He also has plans for future antenna work on the tower.

CHANNEL 9 LIAISON - John NJ1V announced the plans for the February severe weather training meeting. Channel 9 studio, Wednesday the 16th at 7 pm (be there early for best seats).

CHRISTMAS PARTY COMMITTEE - Mary KB5VNP, Ruth N5RJM and Bob N5PVM received a big thanks for organizing and cooking the meal.

FIELD DAY COMMITTEE - Larry KF5JN told us that this years field day will need a new coordinator. Larry has organized the OCAPA field day for several years. Volunteers are needed.

CORA - John NJ1V expressed his displeasure with the C&E, its content and lateness. Several other present supported him and promised to attend the CORA meeting next week.

OLD BUSINESS - The SWAP-NET guidelines have had some minor changes. The changes include: no more than 6 items on the SWAP-NET in a 30 day

period. The exceptions would include estate sales or similar circumstances. The changes were necessary when the FCC rules 97.113 changed from "sold for profit" to "sold on a regular basis".

Brad reminded us of the upcoming Oklahoma Student Inventors Association exposition at the state capitol, February 9th. Bill Enter KB5NUA-sk founded the assoc several years ago. This year, he had plans to include a ham station in the show with young hams operating. In Bill's memory, Brad, KJ0W is trying to pick up and finish the project. The show opens at 8am and will end at 1:30pm. If you can help, contact Brad at 793-9470 or John N5SAM 685-8070.

NEW BUSINESS - There was a lot of discussion about Leonard W5MEL and his service to OCAPA and the ham community. A collection was made for flowers for Leonard's service. **MOTION**-Larry KJ5HN moved to begin

a Leonard Hanstein Memorial Scholarship. Funds to be raised by donation and raffle.

Brad, KJ0W presented John NJ1V, John N5SAM and Mike N5VIT with a plaque in honor of there past year of service as officers of OCAPA. Chuck K5NK will receive his at the next meeting.

Brad announced that the FAA club will hold no-code tech classes beginning February 3rd at 6pm at the FAA club station.

Tom WA9AFM explained the proposed changes to the Constitution and By-Laws. Further recommendations and corrections were made at the meeting with final approval to be at a future meeting.

ATTENDANCE 37
Meeting adjourned at 9:35pm
John Brassfield N5SAM
Secretary

Time's Running Out -

DEADLINE: LAST WEEK OF MARCH

Applications are being accepted for the Bertha Watson scholarship that is sponsored by E.A.R.S. Applicants need not be hams and it is open to graduating high school seniors and college students of all ages. If you or someone you know would like an application or more information, please contact:



Barbara Kiespert
804 Dripping Springs
Edmond, OK 73034-8717
(405) 348-9338



JANUARY MINUTES

January 4, 1994

The meeting was called to order at 7:06pm by Scott Walsh, N5NYS.

The minutes of the November meeting were presented by Earl Draper, KJ5HN. A motion to accept the minutes as presented was made by N5BEQ and seconded by KC5CRT; the motion passed.

The Treasurer's report was presented by Robert Moose, N5QKI, indicating a balance of \$1,071.24. A motion to accept the Treasurer's report as presented was made by N5WNR and seconded by KI5DF; the motion passed.

The VE report was presented by AB5ET.

The Foxhunt report was presented by KB5ZWQ.

A report on the Christmas Dinner was given by N5NYS.

The CORA report was presented by N5NYS.

The Technical Committee report was presented by KN6UG.

The Net Coordinator report was given by N5WNR.

Martin KN6UG agreed to serve as Field Day Coordinator for 1994, and discussed the option of staging another joint field day. Decision to be made at the February meeting.

Scott N5NYS reminded the group that Weather Operations are almost upon us, and that more details and discussion would be presented at the February meeting.

OLD BUSINESS - The OETA Telethon is March 1 through 20. Those interested in participating should contact Rick N5WNR.

Anyone needing 610 forms, Amateur Tag applications, or VE program applications should contact Toy AB5ET.

NEW BUSINESS - The Club needs to appoint a new service agent. The executive committee will recommend an appointee.

Paperwork is being processed to validate the Club's non-profit status.

May is MORI's 25th anniversary. More discussion later regarding a possible special event station and presentations to charter members.

The meeting was adjourned at 8:02pm.
Earl Draper KJ5HN, Secretary

Diary of a Foxhunt

6:45pm "Hand me the flashlight again, dear", I said to my wife as I groped for the nut I'd dropped for the second time. My fingers were numb from the cold, and I wondered if I'd ever get the antenna assembled before the transmitter hunt started at 7:00. Ah... there it is! Now where's that wrench?

6:55pm Antenna mounted to mast and attached to the passenger side of the car. What a beautiful sight! All who drive by slow down to look, presumably wondering where they can get one. The fox calls in for a signal check, and I respond that he's readable at the starting point. Wonder if I should have told him we couldn't hear him so he'd give us a better signal.

7:00pm "There he is!", someone shouts as the fox begins transmitting. Several people begin wandering about the parking lot, carrying various types of antennas and trying to obtain their initial bearing. Having to record the odometer readings of a few late arrivals, I'm still fumbling to enter the hunt frequency into my scanner.

7:05pm The signal is barely readable now. The fox is either spinning his beam, or he reduced power because his radio got hot. Could also be due to this low parking lot we use for a starting point. I know better than to rely on readings from here, so we give one last call for late check-ins, then move out.

7:15pm Great. Our first mistake, and only 15 minutes into the hunt. The signal seemed to come from west of north as we left the starting area, so we proceeded north. A quarter of the mile up the road we cleared the buildings, and the signal now reads due west. Decision time. Do we backtrack and go west, or continue north almost a mile to the next cross street and risk adding extra miles? We elect to continue north, and I growl as my wife tells me to calm down. "Maybe we can win next week", I mutter to myself.

7:30pm We were lucky. As we turned west, the signal began to read slightly north. But we now had a new problem - the antenna was pointing directly across the lake. Since we were competing based on mileage, not time, we stopped to plot a plan of attack. This particular fox had been threatening for some time to use a large amplifier. Could he be behind the dam? It would take a lot of power to get a signal out of there. There was a little park we knew about...

7:45pm He wasn't behind the dam, but we had been lucky again. He still seemed to be in front of us directly to the west. As we waited for the light to change, the children in the car next to us stared wide-eyed at the antenna as they questioned their father about it. He had the strangest look on his face, and I just smiled as the light turned green.

8:00pm One hour to go. The fox wasn't giving any clues tonight, but it didn't really matter since they couldn't be trusted anyway. Anything goes at the foxhunt. We were in the neighborhood - we were sure of it. I hoped we were close, since I'd already switched in 80 of the 100dB of attenuation available. If the signal became any stronger, the readings would be the same in all directions.

8:05pm We were very close. The adrenalin was flowing, and I popped off to the wife that we should have turned at the last street. "Shut up, I'm driving", she said. Hmm... wonder why she's so touchy? As we passed one of the other hunters, I knew for sure that we were in the right area.

8:15pm We slowly rolled down the street toward the signal, peering intently

into every shadow. The signal had pegged our meter... he just HAD to be here. "Look over there", my wife said, "is that a car behind that electrical tower?"...

M.O.R.I sponsors a transmitter hunt in Oklahoma City every Saturday evening at 7:00pm. The winner is the hunter who travels the fewest miles to find the fox. The hunters gather for fellowship and coffee afterward, and a wonderful time is usually had by all. The talk-in frequency is 146.67, which is usually monitored by the hunters after about 6:30pm. See you there!

73 de Earl Draper, KJ5HN

New to Packet? Or never tried it? Read on and let KB5TON interest you in this exciting facet of amateur radio.

What is packet?

Somewhere you've probably heard someone mention something about packet radio.

So what is packet? Simply put, it is radio communications between computerized stations. You can exchange information such as programs, E-Mail, or even picture files.

What I enjoy most about Packet is the casual exchange of comments between keyboards. You wouldn't believe the "type-versations" that go on during some repeater nets. You can find them occurring at nearly any time on at least one of the packet frequencies, much like the 2 meter voice repeaters.

Gather the hardware.

So you've decided to check into Packet. First, What will you need? You'll need;

1. Computer; or substitute such as a digital communications terminal.
2. Software; a terminal or BBS program, to communicate with a TNC(Terminal Node Controller, ie, a smart modem for your radio).
3. A TNC of your choice. You'll need to consider:

- a. cost
- b. capabilities; some TNCs have multi-mode (Packet/Morse/RTTY/etc.) and/or have multi-port

(radio/function/LAN) capabilities.

c. performance; how well does it perform its capabilities.

4. A transceiver with the operating capabilities desired.

5. Cables and connectors; to connect the TNC to your radio. Many TNC's come with instructions and materials needed to assemble a cable for attachment to most radios.

Set up your TNC.

Many TNC's have default settings that are acceptable for operating on 2 meters. Some settings will still need to be set. If your TNC's parameters aren't labeled as follows, you will find these similar to the ones your TNC does use.

1. Set your terminal's settings to 8 bits, No parity, 1 stop bit (8N1).
2. Connect your TNC to the computer, but not to your transceiver just yet.
3. Perform the TNC check-out, then set it up with;

a. MYCall = your call letters.

Example; MYCall KB5TON

b. MYAlias = your digipeater

ID, often your call with -1, etc.

Examples; MYAlias

KB5TON-3, TON, TON07, CITY01, TONDIG, etc.

c. MYMail = your TNC mailbox's ID. Example; TONBOX

d. HBaud = the baud rate between the TNC and your radio. 1200 Bd is used on 2 meters, and 300 baud on HF.

e. TBaud = the baud rate between the TNC and your terminal. Set your terminal and TNC to the same baud. I use TBaud 19200.

4. Review the user's manual and perform the required checkouts, prior to hooking the TNC to your radio.

5. Closely following your manual, hook the TNC to your radio, and perform the required TNC calibrations.

6. Adjust your receive volume and squelch by;

a. Tuning to an unused frequency, or disconnect the antenna coax.

b. Open the squelch.

c. Open the volume control to just above a steady DCD, on your TNC.

d. Close the squelch to just beyond cut-off, with no signals present.

What can you receive?

By now your station should be ready to receive, requiring only a few adjustments. Start by tuning your 2 meter radio to 145.01 MHz, or HF Rig to 7.091 MHz. You should also try 145.03, 145.05, 145.07, and 145.09, on 2 meters. Then set the following parameters in your TNC;

1. Enter MTo ALL, and MON 6 (MONitor 6), and watch the S-meter on your radio. Each time you see an S1 or greater signal (2 meters only), you'll also see an entry appear on your screen. Most will be short status queries between software links in different stations. Others will be beacons, file transfers, connect/disconnect requests, and "Unproto" type-versations".

2. Enter MONitor 2, and watch for a while. What you see now is more informative-mostly beacons, unproto typeversations, and connected file transfers. By watching the packets that appear on your screen, you can tell where some of the stations are located.

Your first connect.

Tune your radio to a frequency that has packet activity and watch your screen. If the frequency doesn't seem to be crowded (if the DCD light is off more than on), then type C CALLID <ENTER>, except, replace CALLID with an observed stations ID. As soon as you see **** Linked to XXXXX ****, your up and going! Hint; C CALLID means, Connect to CALLID.

Going the distance.

If your station is some distance from packet air activity, you might have to resort to towers, beams, etc. But, if you can already use voice, you should be able to use packet. You just might have to pull some rabbits out of the hat. If you can hear packet activity, but can't see it displayed, then try the following; (Most problems are easily corrected.)

1. Set MTo ALL, and MONitor 6, to allow monitoring of all packets.

These caused my first dilemma. MTo NONE or MON 0, blocks all packets.

2. Set TXDelay 45, (enough lead time for even mechanical relays.)

3. Set TOne 3, for improved hi-freq audio discrimination despite static.

4. Set the DCD Ubit to Accept, for

Rcvg signals too low for a DCD on.

5. Set PASSAll ON, to display all packets, including ones with noise.

Note; PASSAll ON dissables MHeard, and dissables CRC error checks.

6. Distance your antenna from computer and other radio interference.

If steps 1 thru 6 don't do it, consider a packet paramedic, or.

7. A higher antenna. IE, a 10 watt verticle antenna at 50ft, is good for more than 50 miles on level terrain, with 2 meters.

8. A higher gain antenna, or beam.

9. A Pre-Amp located at the antenna, for more Rcv gain and Txmt power.

Steps 7 thru 9 should give you a powerful performance station.

Other settings to help with marginal connections.

Once you've enjoyed interacting via the keyboard, you might try fine tuning some other settings. Here are some that I recommend.

1. FRack 7, gives more time for a remote station to reply.

2. TRies 3, decreases your wait time on a failed connect.

3. RELink ON, auto-reconnects to a station that was temporarily lost.

4. CHeck 60, sets polling to every 10 minutes. Fewer polls means fewer backed up packets.

5. Beacon EVERY 250, sends an ID every 45 min. More often isn't needed. Check the Heard List on most any station, to find who's on Freqncy.

6. PACLength 64, "braaaps" shorter packets between the noise peaks. With good signals, longer PACLengths really speed up the data-rate. Also, shorter packets aren't very practical with long files.

Hints; I use PACLength 86 in poor transmit conditions, and a touchy squelch, to cause transmissions during any low points in the static.

7. LItte OFF, dissables a protocall which causes occasional connect errors.

BBS networks.

Many packet stations are set up to perform like bulletin boards, receiving, posting, and forwarding messages or files. Almost hourly, messages are forwarded via packet, from coast to

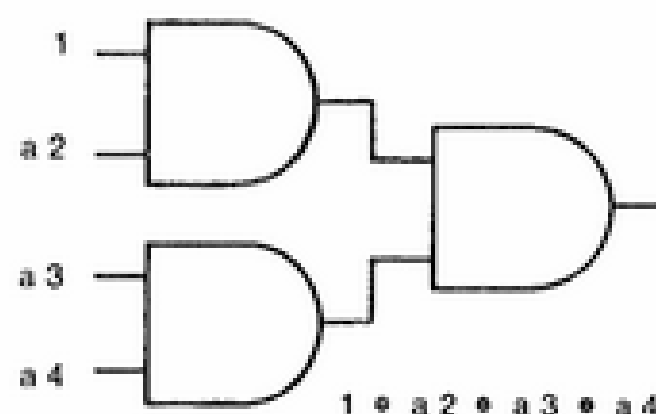
coast on H.F. or between counties and states on VHF, UHF, or local area nets. Also, global forwarding is done using HF and/or satellite packet stations.

In conclusion.

Now finally, I do hope this has enlightened a few in some of the minor technical areas of packetteering. There is much more I'd like to write about. Perhaps next time. I hope to read you on the air, or do some Unproto type-versing with you also.

73 de Farrell/KBSTON @ TONBOX,
MWC, OK, USA.

Component Capers

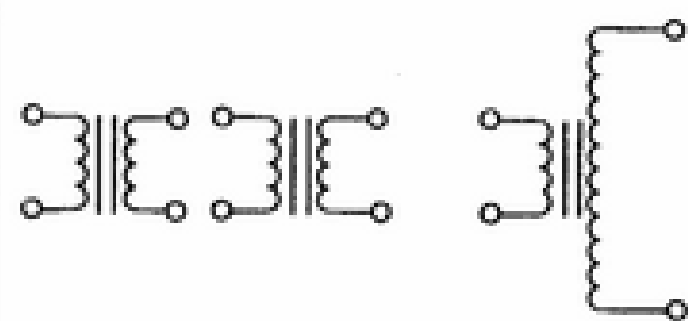


Lawrence Welk's Downbeat

Church specialty: faith lifting.

Sign at a wildlife watering hole:
"Quiet. The buck stops here."

Component Capers



...claims his new
assignment is quite
a step-up!

"You know, Ima, this is the first
time I've seen you since you had
your face lifted."

One new computer is so
human it blames its mistakes
on others.

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

BENJAMIN FRANKLIN





VHF Club
NEWS

W5LOW
*The Elmer Gekler Memorial
Station*

Minutes of January Meeting

Meeting was called to order at 12:05 p.m. by President J, KB0QJ, with 21 members and guests present. Ellard, W5KE's Treasurer's report was accepted. New member, Wes Ellis, KB5ZVF, from Maud was welcomed.

J, called for election of officers and before he could finish his sentence, motion was made and passed that the current slate of officers be reelected by acclamation. The officers for 1994 therefore are:

President, J Frank Fields, KB0QJ
Vice-Pres., Bill Noland, WA5FWD
Treasurer, Ellard Foster, W5KE
Secretary, Joe Buswell, K5JB

Bob, W5HXL, advised the group that Tom Stinson, W5OZE, was living at the Autumn House II in Midwest City and would appreciate hearing from some of his old friends on the phone. His phone number is 732-7881.

Bob also announced that the 2m net that meets 7:00 p.m. on Thursdays was having 12-14 check-ins per session. Since the net started, there have been about 25 different amateurs dropping in. The net meets on the RACES repeater, 145.41. With that we adjourned at 12:15 p.m.

Joe, K5JB Sec'y

Amateur Radio in the Classroom

From a packet BBS message posted from Lawton, January 12, 1994

To all Amateur Radio Operators:

Please read this message at local amateur radio club meetings and send copies of the message to school with your children for their teachers. This message provides a way to amateur radio in school and asks each ham that has school age children, or is interested in placing amateur radio in school, to help.

The Lawton Fort Sill Amateur Radio Club will again conduct an Educational WorkShop April 8, 1994, 7 p.m. to 9 p.m., in conjunction with the American Radio Relay League.

The workshop will be hosted by Educational Advisor to the ARRL, Terry Redding, WB5LMJ. Redding is a PhD in Education candidate, has made annual presentations at previous ARRL National Educational WorkShops and published numerous articles on developing growth in volunteer organizations, marketing not-for-profit organizations, amateur radio curriculums, adult learning theory, and planning adult curriculums.

This years workshop will focus on helping teachers and school systems place amateur radio in the classroom. It will explain how amateur radio can be used to enhance the educational experiences in a wide range of subjects and settings from special education through advanced science. The keynote address will discuss ways teachers can acquire the services of area amateur radio operators as resource people to setup and demonstrate amateur radio in the classroom and will also explain how teachers can acquire their own amateur radio license.

Credit for continuing professional education and development (CEU's) will be available to attendees and presenters.

If you want to help, or have an interest in attending the workshop, making a presentation at the workshop, or just want more information, please contact Terry Redding at 405 536-8822, or write to Terry Redding, c/o R&R Advantage Educational Research and Marketing, 221 SW Crystal Hills Drive, Lawton, Oklahoma 73505.

Thank you, sincerely,

Terrence R. Redding, WB5LMJ, Educational Advisor ARRL

Lifetime License?

Here is another packet Bulletin: ARRL

Bulletin 3 ARLB003

From ARRL Headquarters
Newington, CT January 11, 1994
To all radio amateurs

The ARRL on January 6, 1994, petitioned the FCC to make Amateur Radio operator licenses valid for a lifetime.

The League said in its petition that there is nothing in the Communications Act of 1934 that would prevent such a license term for amateurs, and that a lifetime operator's license would allow inactive amateurs to return to the Service at the same class of license without the necessity for retesting.

The League believes that the number of amateurs who would benefit from such a lifetime license would be relatively substantial."

The League said that under the current 10-year license term, with a two-year grace period, it already is possible for relatively inactive amateurs to remain licensed for long periods of inactivity. There is no practical difference, the League said, between such a person and one who allows his or her license to expire and later wants to again become involved in Amateur Radio.

This proposal would apply only to operator licenses; station licenses would still, by law, be limited to 10-year terms. A person with a lifetime operator license but no station license would not be permitted to operate a station of his own (but would be permitted to operate from the station of another amateur).

The League said that nothing in this proposal should have any effect on the call sign issuance program either as it currently exists or as proposed (the "vanity" call sign program).

The League also said it was not proposing at this time to make this rule change retroactive, but, rather, to extend currently held operator licenses from 10 years to lifetime.

More when I learn more, Joe, K5JB

*** ANTENNA RAISING INCIDENT ***

(EDITOR'S NOTE: This was found on a bulletin board in Fort Wayne, Ind. It is a ham's reply to a query from his insurance company.)

"I'm writing in response to your request for additional information for Block Number 3 of the Accident Reporting Form. I put "poor planning" as the cause for my accident. You said in your letter I should explain more fully, and I trust the following details will be sufficient."

"I am an amateur radio operator and on the day of the accident, I was working alone on the top section of my new 80' tower. When I had completed my work I discovered that I had, over the course of several trips up the tower, brought up about 300 lbs. of tools and hardware. Rather than carry the now unneeded tools and materials down by hand, I decided to lower the items down in a small barrel by using a pulley, which fortunately was attached to the gin pole at the top of the tower."

"Securing the rope at ground level, I went to the top of the tower and loaded the tools and materials into the barrel, I went back to the ground and untied the rope, holding it tightly to insure a slow descent of the 300 lbs. of tools. You will note in Block Number 11 of the Accident Reporting Form that I weigh only 155 lbs."

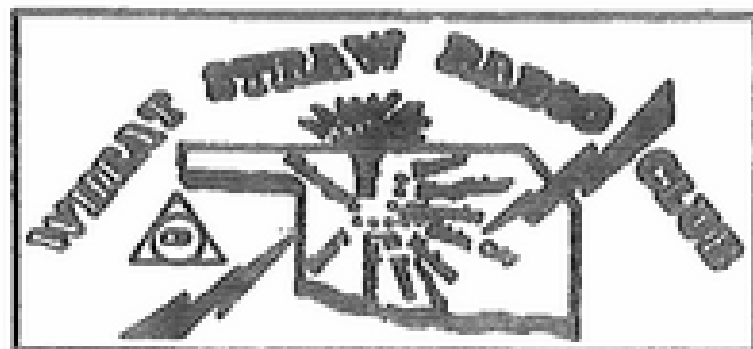
"Due to my surprise at being jerked off of the ground so suddenly, I lost my presence of mind and forgot to let go of the rope. Needless to say, I proceeded at a rather rapid rate of speed up the side of the tower. In the vicinity of the 40' level, I met the barrel coming down; this explains my fractured skull and broken collarbone. Slowed only slightly, I continued my rapid ascent, not stopping until the fingers of my right hand were two knuckles deep into the pulley."

"Fortunately, by this time, I had regained my presence of mind and was able to hold on to the rope in spite of my pain. At approximately the same time, however, the barrel of tools hit the ground and the bottom fell out of the barrel. Devoid of the weight of the tools, the barrel now weighed approximately 20 lbs. I refer you again to my weight in Block Number 11. As you might imagine, I began a rapid descent down the side of the tower. In the vicinity of the 40' level, I met the barrel coming up; this accounts for the two fractured ankles and the lacerations on my legs and lower body."

"The encounter with the barrel slowed me enough to lessen my injuries when I fell on the pile of tools, and fortunately only 3 vertebrae were cracked. I'm sorry to report, however, that as I lay there on the tools, in pain, unable to stand, and watching the empty barrel 80' above me, I again lost my presence of mind. I let go of the rope."

(Contributed by Ron, N5OAT)





Wheat Straw January Meeting

President Joe, WA5GHK, called the meeting to order ten minutes early. He didn't get to have desert for lunch. The meeting was held at the Peoples National Bank in Kingfisher OK.

It was nice to have Smitty, AC5C, and John, N5MOL, with us at the meeting. It had been some time since I had seen them. Welcome back!

Joe, WA5FLT, read a thank you letter from the Cripple Children's Hospital thanking the club for the \$92.31 donated to the children's Christmas fund.

A motion was made, seconded, and passed that the Wheat Straw RC send a memorial for George Mashino to the Family of Love Home, Okarche OK.

It was learned that Wanda Claunch had a bad case of the flu Sunday. We hope you get well soon Wanda!

My Other Mother

You are the mother I received
The day I wed your son;
And I just want to thank you, mom,
For all the things you've done.

You've given me a gracious man
With whom I share my life;
You are his lovely mother;
And I his lovely wife.

You used to pat his little head;
And I now hold his hand;
You raised in love a little boy,
And gave me a man.

This is one of the gifts our daughter in-law gave Goldie for Christmas. It is a fixed book, open in the middle, pages and all are shellacked. This poem is on the right and a beautiful flower garden on the opposite page.

Antenna Tuner

In the past years, especially when I first became a licensed Novice and Technician, I asked several amateurs if I needed a tuner. In the beginning I was told no, that it would just use up my power.

I soon became dissatisfied; I felt that I was losing power somehow. I bought myself an antenna and SWR bridge and learned that it is the only way to go.

When we studied for the license theory we learned that the transmitter expects to see a 50 Ohm resistance line. The weather changes the SWR. Also your antenna length and feedline make a difference. Every antenna has an impedance in Ohms. It is a combination of inductive and capacitive reactance.

When the standing wave ratio is like 3:1, your transmitter has a loss of watts out, possibly getting into TV, telephones, and other appliances.

If you wish to have knowledge, get out your January 1994 issue of QST, turn to page 70, and read about the tuner. It is a good article.

Wash and Wear

One day a mother saw that her young daughter had come home filthy. She told the girl to get cleaned up. After a few minutes, the mother realized she hadn't heard the sound of running water so she went to check on the girl and found her sitting in an empty tub.

When asked what she was doing, the girl grinned and said, "Getting dry cleaned!"

February 13 Meeting

The next meeting will be held in Canton, February 13, at the Canton City community building. I think most of you have been there. For those who do not know where it is, here are directions: From the stop light in the center of town, turn west from the light, go just across the railroad track, turn north on the street. The street is between the railroad track and the Mini-Stop. See all of you there.

You Bet!

A woman asked her husband who Ethel was that he talked about in his sleep the night before. "Oh, he replied, "That's the horse the guys in the office bet on." "Well," she said, "it seems your horse called today."

From W5YI Report

Novice operators obtain all 1.25 Meter band access.

The FCC adopted the proposed rules authorizing the novice operators in the entire 1.25 Meter band. The FCC did not go along with the earlier consideration, letting the Novice operators to be control operators or licensees of repeaters in the 1.25 Meter and 23 CM bands. Date of the new rule is February 1, 1994.

W5YI Correction

The third party message traffic with Cuba is still intact. The information appearing in the last issue concerning Cuba being eliminated from the list proved incorrect.

New 610 Form Soon

A new 610 form is to come out about the middle of March. No date has been set yet by the FCC.

Pro and Con Issue

It seems there has been a lot of voting on the issue of a no code HF licensing in England. I think it is coming here, but I don't now wish to get into much of that.

Personalized Ham Call Signs

On December 13, the FCC announced a Notice of Proposed Rule Making (NPRM) that would fulfill the desire of many amateurs for personalized, or, "vanity" call signs, that are composed by the licensee. This should take the FCC into the 20th century. The electronic filing would be phased in over a period of time as yet undetermined. "Vanity" could start as early as next summer. These "vanity" call signs would allow the licensee to make up his or her own call, using letters such as their initials. Before you get too hyped up you should know that the cost, based on the 1993 price, was

proposed to be \$70.00 per call sign. When I look at that figure my call looks OK.

Sweden Introduced a New Novice Class to encourage young students to become radio amateurs. The license can be held from the calendar year the licensee becomes 10 years old but until age 14 he or she must remain under the supervision of an older amateur holding a standard license. Novices, who must upgrade to a standard license within 6 years, may operate on 2m and 70cm bands with limited power.

Mama's Boys

Are Mama's boys just a bunch of sissies? Not according to Paul Harvey. In his book, Paul Harvey's, The Rest of the Story, Harvey names no less than ten U.S. Presidents who were self admitted, unshamedly, "mama's boys". They turned out to be pretty good fellows. One of America's ferocious fighting men, General George S. Patton was a mama's boy all of his life.

Grandma Said So

A rag soaked in vinegar wrapped tightly around the forehead will relieve a sick headache.

If a pregnant woman wears high heels she will have a cross-eyed baby.

A child who grinds his teeth while sleeping has worms.

You can become bald by wearing a hat indoors.

Grandpa says no.

Wedding Gown Value

In Omaha NE in district court, a male jury fixed the value at \$200.00. That was the award to Mrs. Victor Novotny, 20, married in a church ceremony in May. The gown was burned accidentally by an apartment house janitor. This happened in 1941. She sued for \$950.00. Although she testified the gown cost \$32.50, she said it had a sentimental value of \$10,000 to her

George, K5GGL - Silent Key

George F. Mashino's service was held 10:30 at the Holy Trinity Catholic church January 8, 1994.

He was born December 22, 1933 at Sacred Heart OK to Joseph and Mary Kuestersteffen Mashino. George died January 6, 1994 at the Baptist Medical Center in Oklahoma City OK. The family moved to Okarche when George was six years old. When he saw his first working radio it fascinated him very much though it was hard for him to understand how all the frequencies could be in such a little box. Perhaps then was the start of his interest in electronics. George was interested in radios ever since, learning how they were built and worked.

While attending school at Okarche, George built several crystal radios, some worked better than others. He learned how to tune some on short wave, and others on the broadcast bands. He then started making tube type radio receivers, most of them for short wave. George got interested in Amateur Radio; studying morse code by himself.

Before getting out of high school George started taking a correspondence course in radio and TV repair.

Two weeks after graduation, George received his radio and TV repair diploma. With no job being available, he went to Stillwater OK to attend Oklahoma A&M, as it was named in those days, and began study of Electrical Engineering.

While in college, George met a group called CAP. He went to study with them, but it turned out to be a bull session, so he didn't go back.

Then George heard of the college amateur radio station, W5YJ. He went to the station but no one wanted to talk to him since he wasn't licensed. George didn't get discouraged. He started studying code all on his own.

The last year George was in college he

did repair work on the electronic equipment, learning a lot which was interesting. George enjoyed working on anything electrical.

Learning about "Bus" Blum's amateur radio school, George and his friend Willis Luber went out to the school which had been called the Wheat Straw School for several years. Bus sent some code, George copying all of it. Bus had George send some code and after listening a while said, "Send off after your license; man, you're ready!" As far as I know, George was the only person who went through the amateur school in one night.

George worked up the amateur ranks to an advanced class license. Later he received his second class phone license.

Being very serious about his life, he was a member of the Holy Trinity Catholic Church, Knights of Columbus, Foresters, and Singles round and square dance clubs. George was past President, Secretary, and Treasurer of the Wheat Straw radio club, a member of CORA, serving as Secretary and Treasurer. He was on the Wheat Straw technical committee until his death.

George served in the United States Army from 1955 through 1958.

George is certainly going to be missed by all.

Ralph, WA5PFFK

My Condolences Also

I want to join Ralph and the Wheat Straw club in offering condolence to George's family. I knew George pretty well and he was indeed a fine fellow with a curiosity that I admired. I too will miss George.

I learned of two other fine fellows who passed this month. Sid Gerber, W5KOZ was a good friend, and Leonard, W5MEL, who was a friend of all, both passed away recently. I expect Leonard will have some things written elsewhere in this issue of the C&E. Joe, K5JB

Conversational Questions

These can often be used to pep up conversation.

1. You are in the North and cold. You have one match, one of the old wooden kind. You happen into an abandoned house. It has a fireplace, a candle, a kerosene lamp and a kitchen stove. Which would you light first?

2. You are the captain on a ferry boat between St. Louis and New Orleans. You start the trip with 20 passengers. You go down to the first stop and leave off 3 and take on 4. You go to the next stop, take on (your own numbers from now on) and leave off ?? . Continue for a few more stops. Watch for a blow to your jaw when you ask the questions: Who is the captain of the boat? and how many stops did it make?

3. You go into a hardware store and buy 11 for a dollar; 145 for a dollar and a half; and 1000 for two dollars. What did you buy?

4. What word is pronounced wrong by at least 90 percent of the students at Central High School?

5. A hunter comes to a circle in the woods. In the center is a squirrel on a tree stump. He can't shoot the squirrel with it looking at him, so he completes a turn on the circumference of the circle. While he is doing this the squirrel turns and faces toward him. Did he walk around the squirrel?

6. The man walked 10 miles north, 10 miles east, and 10 miles north and arrived where he started. Where did he start from?

Novice Notebook

Save these for future reference.

PARASITIC ELEMENTS: A common problem, usually mistletoe growing on your dipole.

PUSH-PULL AMPLIFIER: Can be identified by the handle on each end of the case.

BROADBAND: Don't let this one fool you, YL's are not restricted to any one band.

ANTENNA FEED: Best to use powdered aluminium. In a pinch, Kibbles 'N Bits will do.

DIGITAL LOGIC: Counting on your fingers is permitted in FCC exams, however square roots and exams, however square roots and exponential numbers are not recommended unless you are double jointed.

FERRITE BEADS: Highly poisonous bait for Ferrites, a small nocturnal animal which feeds on coaxial cable. Handle this stuff with rubber gloves.

DECAY TIME: Little known property of integrated circuits. The number of days an IC will continue to function before it's inside rots out. This time may be slowed down by keeping your radio in an icebox. Use of cold solder joints on IC circuits will help slow down this decay also. See also, Polarization.

POLARIZATION: Operation of a radio in cold environment. CW is usually not used in extremely cold environments as the dits and dahs tend to stick together.

WHEATSTONE BRIDGE: Small villiage in Northern England where Marconi's first radio signals were received.

FREQUENCY RESPONSE: Your percentage of confirmed QSO's. More exactly, the number of QSL's you have received divided by the number you have sent out, multiplied by 100. 251 is doing good outside the Novice band. 991 is poor in the Novice band.

The information on this page comes from the C&E archives. Exact origin is unknown, yet expected to be in Public domain.

Answers:

1. The first thing you would light would be the match.
2. The answers are self evident when you ask the questions, but everyone will be figuring the number left on the boat and will have missed the Captain part.
3. Prepare for that blow to the jaw. House numbers.
4. Prepare for the second blow. The word is "wrong."
5. The question is faulty; it cannot be answered unless you have designated whether in respect to the hunter or the squirrel, but it causes conversation.
6. In one version, a phrase was added: During the walk he saw a polar bear. This puts him at the North Pole. But if you will draw a circle at the South Pole 10 miles in circumference, he can start 10 miles North of there, go south to the circle 10 miles around, and then 10 North back home. This creates thousands of places to start.

Enough is Enough (continued ...)

they can't appear in print if this does not occur. Keep it off the air and inside the clubs where it belongs. We want to see CORA survive to make 25 years and all that it can bring. My phone line is open to all who wish to call, if you call, civility is insisted upon, young children live here, and it is just a hobby. 73, Rick, NSWNR

1. Aeronautical Center ARC Meets: First Thursday, Flight Standards Building, FAA, South MacArthur, 7:00 P.M. Pres: Jack Inman, WB5SVN Sec/Tr: Brad Nelson, KJ0W AsVP: Harold Todd, WA5VAQ 685-3685 AsVP: Charlie Greene, WA5JGU 943-5631 Editor: Jack Inman, WA5SVN	6. Altus Association Meets: 7:30 P.M. Second Thursday North Main Fire Station (CD), Altus Pres: Jim Romines, K15YY VP: None Sec/Tr: Bob Heron, KB4BN Editor: Jim Romines, K15YY	14. Cimmaron ARS Meets: 7:30 P.M. second Thurs. WX5Y Playhouse 827 S 13, Fairview Area code 405: Pres: Terry McColl, N5MLT 227-3672 VP: John Medley, N5WVU 227-3534 Sec: Dennis Panton, WK5V 764-3599 Treas: Nadine Panton, N5FMH 764-3599 Editor: John Medley, N5WVU 227-3534
2. Oklahoma Central VHF ARC Meets: 11:00 A.M. 3rd Sat., Golden Skillet 3401 N. Classen Blvd, OKC Pres: J Frank Fields, KB0QJ 789-8469 VP: Bill Noland, WA5FWD 354-5018 Sec: Joe Buswell, K5JB 732-0676 Treas: Ellard Foster, W5KE 789-6702 Editor: Joe Buswell, K5JB 732-0676	9. Wheatstraw ARC Meets: 2:30 P.M. 2nd Sunday, Location Varies. See club section for details. Pres: Joe Hyatt, WA5GHK, Kingfisher 375-3783 VP: Leo Peil, WZ5H, Canton 886-2998 Sec/Tr: Joe Garland, WA5FLT, Caltumet 893-2660 Editor: Ralph Wilder, WA5PFK, Watonga 623-5421	15. South Canadian ARS Meets: 9:30 A.M. Second Saturday, Red Cross Bldg. North OU Campus, Norman Pres: Don Schader, K15TP 321-9649 VP: Mike Winkel, N5SOF 366-8639 Treas: David Gates, N5LCL 392-5677 Sec: Gary Skaggs, WB5ULK 799-5363 Editor: Gary, WB5ULK & Ken Brown, N5KUK
3. Mid-Oklahoma Repeater, Inc. Meets: 1st Tuesday, 7:00 P.M., Favorite's Cafe 36th & S. Western, OKC Pres: Scott Walsh, N5NYS 787-3804 VP: Larry Benedict, N5VYC 728-7824 Sec: Earl Draper, KJ5HN Treas: Robert Moose, N5QKI 720-0073 Editor: Dean Ward, N0PAD 681-4606	11. Edmond AR Society Meets: Odd months, 3rd Sun., 2:00 P.M. Edmond EOC; Dinner Even Months, 3rd Friday Pres: VP: Sec: Treas: Editor:	16. Edmond AR Club Meets: 7:00 P.M. Second Monday, Various Locations Pres: Mark Northcutt, WD5DYI 755-4672 VP: Wendell Cochran, WB5ISO 943-4308 Sec/Tr: Kay Northcutt, WD5DYI 755-4672 Trustees: Dennis Orutt, WB5ISN 340-0034
4. OK City Autopatch Meets: 7:30 P.M. Third Tuesday, Salvation Army N.W. 50th & Penn. PR: Brad Nelson, KJ0W 793-9470 VP: Tom Webb, WA9AFM 737-6716 Sec: John Brassfield, N5SAM 685-8070 Treas: Mike Begley, N5VIT 732-2827 Editor: Tom Webb, WA9AFM 737-6716		18. Great Plains ARC Meets: 2:15 P.M. First Sunday, Home of N5LRR 2914 Osage Dr, Woodward Pres: Bob Bayles, WB0GAX, Wdwd 254-3561 VP: Andy Taylor, N5LRR, Wdwd 256-4017 Sec/Tr: Rod Ford, WB5OVT, Gage 923-7683 TR: Freida Patterson, N5EOX, Wdwd 256-2111 Editor: Phillip Perry, N5QCN 938-2453
Central Old Radio Amateurs: Meets: 7:30 P.M. 4th Tuesday, Salvation Army, Penn. and NW Highway, OKC (back door) Pres: Rick Masters, N5WNR; VP: Kathy DeGraffenreid, AA5RU; Sec: Jim Buswell, N5BEQ; Treas: Tom Mangham, K5LDI, 677-5291; Editor: Scott Walsh, N5NYS, 787-3804 Note that the original four clubs that formed CORA were Aeronautical Center ARC, VHF Club, MORI and OKC Autopatch.		

January 30 - March 12, 1994

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Jan 30	Jan 31	Feb 1	Feb 2	Feb 3	Feb 4	Feb 5
	7:00 PM Scars Ham Class	7:00 PM MORI		7:00 PM Aeronautical Center FAA Ham Class		
Feb 6 2:00 PM MORI VE Test 2:15 PM - 4:00 PM Great Plains	Feb 7 7:00 PM Scars Ham Class	Feb 8	Feb 9	Feb 10 7:30 PM Altus Cimmaron FAA Ham Class	Feb 11	Feb 12 9:30 AM SCARS VE TEST
Feb 13	Feb 14 7:00 PM Scars Ham Class 7:15 PM EARC	Feb 15 7:30 PM OCAPA	Feb 16 OCAPA WEATHER TRAINING	Feb 17 FAA Ham Class	Feb 18 7:00 PM EARS	Feb 19 9:00 AM VE Test 11:00 AM VHF Club
Feb 20	Feb 21 6:00 PM VE TEST 7:00 PM Scars Ham Class	Feb 22 7:30 PM CORA	Feb 23 C&E DEADLINE	Feb 24 FAA Ham Class	Feb 25	Feb 26
Feb 27	Feb 28 7:00 PM Scars Ham Class	Mar 1 7:00 PM MORI	Mar 2	Mar 3 7:00 PM Aeronautical Center FAA Ham Class	Mar 4	Mar 5
Mar 6 2:00 PM MORI VE Test 2:15 PM - 4:00 PM	Mar 7 7:00 PM Scars Ham Class	Mar 8	Mar 9	Mar 10 7:30 PM Altus Cimmaron FAA Ham Class	Mar 11	Mar 12 9:30 AM SCARS VE TEST