

Collector & Emitter

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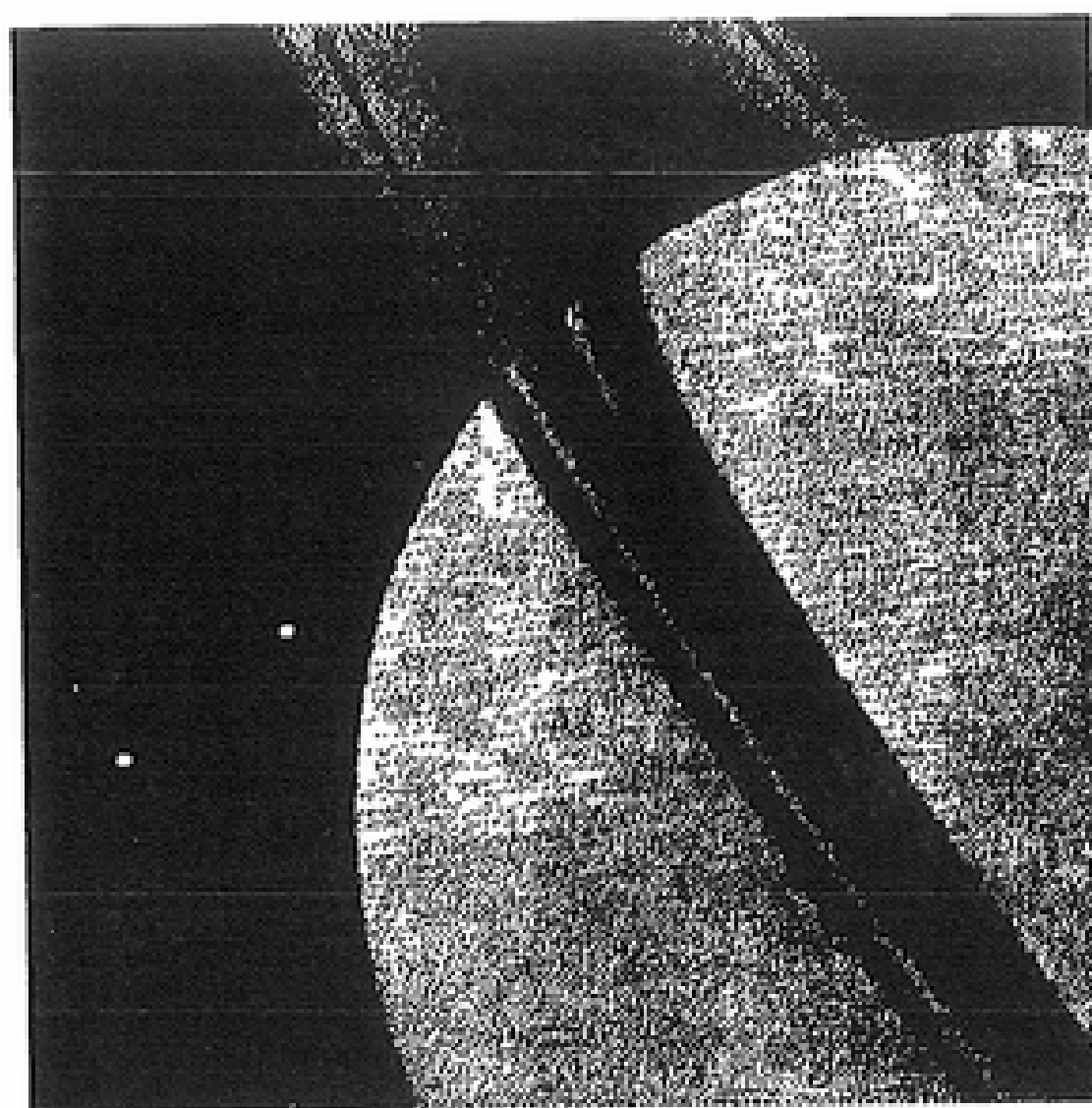
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Periodical Mail

C&E Rate Increase Effective 1 Jan

Parlor Games

Ham Classes Offered



From the depths of space ...

**What will the new Millennium bring,
in new places and modes for Amateur Radio?**

The Y2K Song

Contest Calendar

New For C&E

Alaska Rescue

Collector & Emitter**Harold C. Miller, KB1ZQ****Editor****Linda G. Miller, N1LPN****Circulation Manager****Central Oklahoma Radio****Amateurs, Inc.****President: Harold Miller, KB1ZQ****V Pres.: Tom Webb, WA9AFM****Secretary: Forrest Rush, N5VWF****Treasurer: Perry Jenkins, N5PJ****Web Page -**www.geocities.com/heartland/7332

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1. Aeronautical Center ARC Meets: 1930L, 1st Thursday, FAA, S. MacArthur, OKC Pres.: Bob Kremer, WA9FCT 381-3182 VP: Chuck Bryant, KB5ZVZ 737-0423 Sec/Tr.: Brad Nelson, KJ0W 793-9470 Editor:	11. Edmond Amateur Radio Society Meets: Odd Months, 1400L, 3rd Sunday, St. John's the Baptist, Even Month, Dinner, 3rd Saturday Pres.: Steve Kuper, KC5RYT 722-5789 VP: Curtis Foote, KC5GEP 359-6514 Sec: David Hartman, KC5UNO 210-5949 Treas.: Gary Carson, KD5CPL 751-0006 Editor: Curtis Foote, KC5GEP 359-6514 E-mail: kc5orp@juno.com
2. Oklahoma Central VHF ARC Meets: 1130L, 2nd Wednesday, Home Town Buffet, 3900 NW 63rd, Oklahoma City Pres.: Bill Noland, WA5FWD 354-5018 VP: Sec: John Dome, KB5WVE 842-3493 Treas.: Jim Speck, W5AI 842-3055 Editor:	14. Cimmaron Amateur Radio Assn. Meets: 1930L, 1st Thursday, WXSY Playhouse 827 S. 13th, Fairview Pres.: John Medley, N5WVU 580-227-3534 VP: Kenneth Monahan, KB5SOM 580-227-3064 Sec: Dennis Painton, WK5V 580-764-3599 Treas.: Nadine Painton, N5FMH 580-764-3599 Editor: Kenneth Monahan, KB5SOM
4. Oklahoma City Autopatch Assn. Meets: 1930L, 3rd Tuesday, Salvation Army Bldg NW 50th and Penn, OKC (Back Door) Pres.: Glynn Massey, N5WNL 631-2731 VP: Ron McCubbin, KC5QCV 341-0591 Sec: Forrest Rush, N5VWF 842-8486 Treas.: Mark Watkins, KD5CXP 340-8596 E-mail: ocapa@juno.com	15. South Canadian ARS Meets: 0930L, 2nd Saturday, Red Cross Bldg North OU Campus, Norman Pres.: Tom Miller, KD5ENL 321-7889 VP: Ed Berkowitz, N3US 364-8884 Sec: Bill Baker, N5UMH 366-8641 Tr: Jeff Wyke, KT5OK 329-6762
6. Altus Area Amateur Radio Assn. Meets: 1900L 2nd Thursday, Southwest Area Vo-Tech Center, 711 W Tamarack Altus, OK Pres.: James Molledahl, AB5FS VP: George Mateyko, N1GM 580-266-3357 Sec: Ron Roman, KD5CYW 580-482-8446 Treas.: Fred Cramer, KC5SRJ Editor: Ron Roman, KD5CYW 580-482-8446	16. Broken Arrow ARC Meets: 1830L, 1st Monday, Broken Arrow Community Center, 1500 S. Main, Broken Arrow, OK Pres.: Wayne Hartsfield, KK5AT 918-357-2139 VP: Joe Horn, KC5VPO 918-451-0028 Sec: Jerry Pascal, KC5JKU 918-455-6514 Tr: Harlan Kinney, K9GDK 918-251-2672 E-mail: w5bbs@juno.com
7. Enid Amateur Radio Club Meets: 1900L 4th Thursday, Enid/Garfield County Public Library, Enid, OK Pres.: John Turner, KA7GLA 580-242-6802 VP: Al Fox, KD5BA 580-242-4800 Sec: Dave Chael, KC5GUD 580-242-3445 Treas.: Dwayne Posey, KC5QVS 580-237-3218 Editor: Dick Stricker, NJ5S 580-233-9869	17. Ada Amateur Radio Club Meets: 0900L, 1st Saturday, Salvation Army Bldg 115 N. Oak St., Ada, OK Pres.: Steve Wilson, KD5DKZ 580-332-1473 VP: Charles Eiter, KC5TGA 580-436-4425 Sec: Darla Coffey, KC5RGU 580-436-1271 Tr: Marie Wilson, KD5EXM 580-332-1473
8. Choctaw Amateur Radio Club Meets: 1900L 3rd Monday, Eastern Oklahoma Co. Vo Tech, 4601 N. Choctaw Rd, Choctaw, OK Pres.: Dave Downing, WD5G 736-6377 VP: Don McDown, N5ENQ 732-6749 Sec: Tim Harper, KC5DSW 391-3096 Treas.: Ron Ernest, WB9DAF 769-3207 Editor:	18. Lawton Fort Sill ARC Meets: 1900L 1st Tuesday, Great Plains Area Vo-Tech room 301, Worley Center. Pres.: George Summers, KK5QY 580-355-6514 VP: Charlotte Cole, KB5OJV Sec/Tr.: Danita Haney, KC5YYU 580-549-6817 E-mail: w5ks@rli.net
9. Wheatstraw Amateur Radio Club Meets: 1430L, 2nd Sunday, Location Varies Pres.: Neal Kappus, N5KCO 405-262-1151 VP: Ray Barnes, AB5Z 580-274-3334 Sec/Tr.: Joe Garland, WA5FLT 405-893-2660 Editor: Ralph Wilder, WA5PFK 405-623-5421	19. Tri-State Amateur Radio Group Meets: 1930L, 2nd Thursday, Woodward, OK Pres.: Jay Kruckenburg, KB5SOO 580-994-2751 VP: James Hand, W5JWH 580-994-6118 Sec/Tr.: Larry Goodwin Sr. KC5NZC 580-886-3283 E-mail: W5OKT@unihuilt.com
10. Oklahoma DX Association Meets: Hamfests and as announced in C&E. Pres.: Larry Shima, W0PAN 405-721-8138 VP: Lu Fisher, K5YP 580-254-5641 VP: Sec./Tr.: Jerry Chouninard, K5YAA 918-341-2659 Editor: Nelson Derks, KC5QVV 918-451-1594	Central Oklahoma Radio Amateurs Meets: 1930L, 4th Tuesday, Salvation Army Bldg NW 50th and Penn, OKC (BackDoor) Pres.: Harold Miller, KB1ZQ 672-7735 VP: Tom Webb, WA9AFM 737-6716 Sec: Forrest Rush, N5VWF 842-8486 Treas.: Perry Jenkins, N5PJ 354-5075 Editor: Harold Miller, KB1ZQ 672-7735 E-mail: n1lpn@swbell.net

Deadline for December, 1999 Issue of *Collector and Emitter* is Friday, January 28, 2000. Send all Articles to *Collector and Emitter*, 4216 Spiva Drive Del City, OK 73115-4424 on 3 1/2 inch floppy or e-mail to n1lpn@swbell.net. Articles received after the deadline may not be printed that month. Questions please do not hesitate to call - 405-672-7735 / 405-650-9963.

Tales from the Log

By Jerome Doerrie, K5IS
Tri-State Amateur Radio Group

There have been many interesting contacts and situations during my 40 years in ham radio. Read about the making of this casual tester. Be fore warned, when the contest starts, my personality become rather assertive!

#2. Parlor Games

At a party many years ago, before becoming a ham, I was introduced to a fun game. From our places around the various tables, we were to write down as many people's names and their birthdays as we could in 10 minutes. Some participants would shout, others would stand in their chairs and point to whom ever they were trying to talk to. Some tried talking really fast. Pandemonium reigned! Those sitting near the middle of the long tables had an advantage over the people at or near the ends of the tables. Those with a loud voice were easier to hear. It is exhilarating and fun!

In the world of ham radio sport, events such as this are called "contests." Contests come in all sizes and shapes. Some are for a short time and are called sprints. Others take up the whole 48 hours out of a weekend. Some are local in scope; others are national, while still others are international. The foreign operators seem to prefer the CQ Magazine World Wide (CQWW), where everyone can work everybody. During the American Radio Relay League DX contests, it is the USA and Canada working the world, but the foreign operators can not work each other. A good contest separates the men from the boys. Worse yet, it separates the boys from the girls! It definitely affects one's social life. In a typical 48-hour contest weekend, the famous Hawaiian tester KH6IJ would make over 8000 contacts. Imagine laying a pencil down and picking it up 8000 times! His favorite mode was cw. It was always a pleasure to listen to him operate. His daughter now holds his call sign, but unfortunately, she is not into contesting.

A contest is a good time to check out an antenna, verify station improvements, or increase operator skills. To win a contest takes attention to details in assembling a competitive station and improving skill as an operator. The typical home station can be

used for casual contesting. Rather than go all out, look for new countries, or new states, or set a goal of working 100 or 200 contacts. Sometimes, I set my output power to two watts and go forth and act like I am running high power. Many contests now have a QRP section so that low power stations can compete with other low power stations.

There are two types of contest operating. One is to try to hold a frequency and get the stations to come to you. The other type is to quickly tune the band and to work stations calling "CQ Test." This is called "hunt and pounce." Some of the H&P operators can maintain a two per minute contact rate. My reaction time is too slow to excel at this. It takes too much time to tune the radio and find a new station. When staying on a frequency, if operators give their full call signs as they call in, it is possible to work up to five stations a minute on voice. Those operators that use the practice of using only the last two letters of their call signs surely do mess up a good rate of contacts. The rhythm is broken by having to ask for the rest of the call sign and repeat everything two or three times to assure the information is correct. Note that the FCC ham radio rules enforcer Riley Hollingsworth, K4ZDH states, "Our position is that the practice of stations IDing with only the last two letters of their call signs is not legal under Part 97."

For some reason or another, some operators get a little grouchy on or before the sixth time that I try to work them during the contest. To prevent these duplicate contacts, a piece of paper is turned sideways, with the digits 0 to 9 listed across the top. The number in the call sign determines which column it is written in on the page. The columns can be quickly skimmed to see if a contact is a duplicate or not. This works well for about 300 contacts. If a large number of contacts are likely, then computer log keeping should be used. Also, it takes operating a few contests to become familiar with the call signs of the regular testers and their operating style. It never fails, Robert WA5JDU in San Antonio during a ten meter contest will say, "Jerome, I have been looking for you!" During Field Day, the operators of K6IS will say that they were wondering when we would qso. This past Field Day an operator at N3IS about lost it.

He worked K6IS, followed by K5IS, and then N5IS. This got to be too many "IS" suffixes for him to handle all at once!

I got my start in contesting by entering the ARRL Communications Department quarterly QSO Parties. Three times a year these small contests were closed and only members with a Communications Department appointment were eligible for the certificates. The appointments included Official Experiment Station, Official Phone Station, Official Relay Station, Emergency Coordinator, League Officers and Officials. Once each year, the parties were open to all hams, but ARRL membership was required to qualify for a certificate.

Try as I might, party after party W5WZQ always bested K5WIQ (my old call.) Being number two in the section got on my nerves. The antenna farm grew with the addition of more dipole antennas. On each band, one dipole was set for north-south and another was set for east-west. A single element quad for 20, 15, and 10 meters was mounted on a rotator. Each antenna was trimmed so that the low swr point was in the middle of the contest frequency ranges. The operating desk was cleared of all unnecessary items. The equipment was placed for proper operator posture. The paper operating aids were prepared and arranged so that minimal operator movement would be required for their use. Some two dozen pencils were sharpened and ready. Finally, my 75-watt rig was "loaded for bear" and I was ready to put out a superhuman effort.

The contest started off with good propagation. Many stations were worked on the first call while doing hunt and pounce. Several times stations would come in groups causing a pile up on my frequency. The interference and noise levels remained low during the weekend. Everything worked as planned. I had a reasonably good score, my best ever. During the weekend nothing was heard out of W5WZQ. So after the test, I hollered at Dave to see how he had done. "Oh, I didn't enter this time, thought I would let you win one."

When the scores came out I learned that he had fibbed; he still beat me by 2000 points! Shortly after that, the CD QSO Parties were discontinued and unfortunately, I had never managed to out-score my rival.

The responsibilities of raising a family, working, and other ham interests took priority. Contesting was regulated to a few contacts to complete Worked All States

awards or gather new countries. The main ham interests drifted toward the VHF bands.

A few years ago while attending a Central States VHF conference I was visiting with W5UN from Marvel, Texas. He is the owner of the 48 yagi array on 2 meters and holds DXCC #1 for working 100 countries on 144 MHz. We had been friends for over a decade, but I did not know his previous call signs. I asked, "Dave, what was your old call?" He replied, "W5WZQ." Son of a gun, you meet the nicest rivals in the strangest of places. He remembered K5WIQ and the old CD Party days.

Take your assertive pills and try contesting. It's lots of fun!

Ham Radio Classes to be Offered

Making New Year's resolutions for 2000? Why not learn a new skill that is also a great hobby?

You can learn about amateur radio and get your own ham radio license without learning or using Morse Code!

Members of the South Canadian Amateur Radio Club and the OU Radio Club (Alpha Sigma Delta Radio Fraternity) will conduct free radio training classes on Monday evenings from January 17th through March 6th. Classes will be at the National Weather Service Forecast Office, 1200 Westheimer Drive, from 7 to 9 p.m.

Classes will cover the things you need to know to operate safely and legally and to enable you to pass the required FCC tests. Topics include simplified radio theory and operating practices, and an introduction to equipment and antennas, and FCC

regulations.

Ham radio is a family activity, and not for just engineers or men, but encompasses housewives, computer programmers, doctors, students, sales clerks, welders, pilots, auto mechanics, musicians, and retirees. You'll find folks with all kinds of backgrounds active on the ham bands. It's a great lifelong hobby that has no minimum or maximum entry age.

The hobby encourages experimentation and there are many varied aspects to the hobby and you can do things undreamed of just a few years ago. With proper equipment, you can send and receive real time voice or written communications and even amateur television from all over the world.

So what does a good deal like this cost? It's free but students will need the 3rd Edition of the ARRL publication "Now You're Talking" that will be available for purchase the first night of classes for about \$20. In March, there will be a testing fee of about \$6.50 for the FCC license examination.

Contact Jud Ahern at 325-4480 or e-mail jahern@ou.edu. Registrations will also be accepted the first night of class.

REPORT OF VE TESTING

The SCARS VE Team in Norman concluded the 1999 testing year on December 11th with six candidates arriving rested and prepared to earn their new ham license or upgrade an old one.

As this is one of the few ARRL VEC teams in the area, candidates for the Dec 11th session came from Paul's Valley, Seminole, Mustang, Oklahoma City, and Moore.

The results were representative of the entire year: One Novice upgraded to Tech Plus, one

Advanced upgraded to Extra, one candidate earned his Novice, while two earned the Technician license. For the year, the team has assisted 92 folks to earn 62 licenses: 2 Novice, 38 Tech, 10 Tech Plus, 3 general, 7 Advance, and 2 Extra.

One of the VE's, Michael Mars, N5DKR, has developed an excellent webpage of ham radio testing information and valuable links to other information. At his webpage,

<http://www.telepath.com/n5dkr>

folks interested in testing information can find the SCARS VE Team testing schedule, download up-to-date question pools, take a practice test, download Morse Code practice programs, learn about test element contents, and so on. Anyone looking for authoritative information on ham radio testing should check out Mike's webpage.

The SCARS VE Team is recruiting Advance and Extra class licensees who want to become ARRL-sanctioned VE's. There is no minimum participation requirements, but you would be expected to serve two or three sessions each year. In addition to our monthly second Saturday test sessions in Norman, the team also conducts testing in early March for an annual Technician licensing class conducted jointly by the SCARS and OU Radio Clubs and has, for the last four years, been the core element for testing at the annual Ham Holiday in July.

If you'd like to sign on, please contact Jim Copeland at 329-1681 or e-mail jimhelps@juno.com

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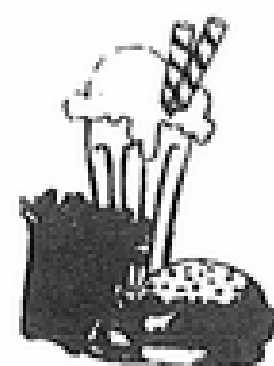
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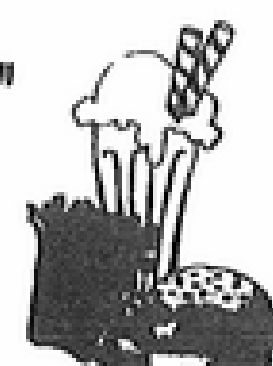
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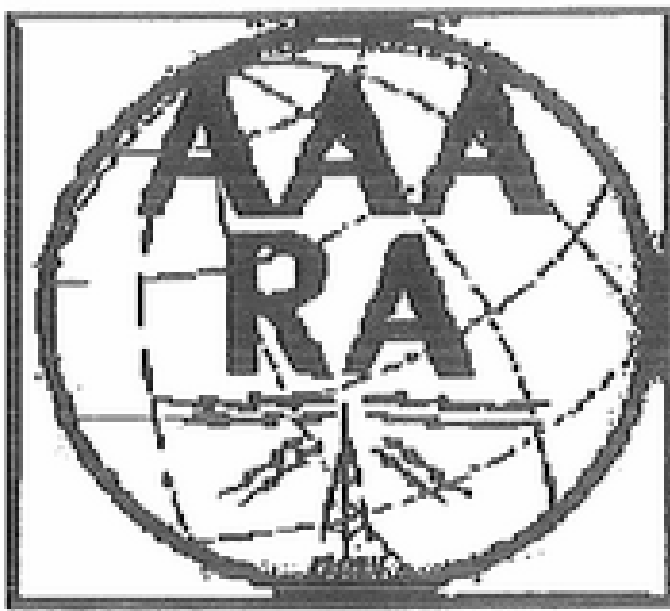
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K5SVZN
JAN MASSEY





Altus Area Amateur Radio Assn.

November Minutes

Meeting held at 711 W Tamarack Rd.
Altus, OK 11 Nov 1999

The Altus Area Amateur Radio Association was called to order by the President James, AB5FS at 7:00 PM Thursday Nov 11, 1999 at the Votech Building of the Western Oklahoma State College in Altus.

Intro.'s - Done, 16 attending, Danny, KD5IAD a new Ham also as our guest, welcome Danny, and good to see everyone else. Also as a note it was Mike, W5VXU's Birthday, so we had some bad singing to a Happy Birthday to Mike, sorry about the singing, if we knew we would have practiced.

Last months Minutes - no copies on hand, see Collector and Emitter, Nov 99 issue and will have next meeting.

Treasurers Report - Read, voted and approved

Old Business -

Mike, W5VXU, gave a report on the Post Run of the Altus Ham Fest. Had about 400 to 600 folks thru, along with Fortune Cookie catering the lunch buffet served over 60 or so great meals. Had the letter of Expenses read off and a copy went to Doc, KM5IO. Vendors did rather well and all had a great time. Thank You Letters are going out to the Vendors and Table Holders that were there.

□

Jan 2000 AAARA Meeting, there will be a Vote on "Altus Hamfest 2000 and Do we

want one?". Suggested that the time be held from 8am to 1pm since it was a ghost town by 1pm.

AAARA Comm Van - It is at George's, NIGM House. Dale, N5VX gave an update on the current status of the Red Cross Emergency Communications Van. \$500 has been spent so far. Floor has 3/4" Plywood and sealed, painting inside done, vynil covering for the inside walls will be done along with new "Captain Chairs" to be fitted and re-done. Roof has new vents and has been sealed. Bought new rims and waiting tires to be put on, radiator installed. Windows on the van will be replaced, a donation by a glass company in Altus. Formica will be installed soon on the counter tops. Looks like if all goes well, we'll have the Van in the Altus Christmas Parade after all.

□

The AAARA will still welcome any donation of services or products for the club van. Please contact Dale, N5VX or George, NIGM. (Also for times to help out, your help is really needed if we want to be seen in the parade.)

The Mars Repeater project chaired by Ed, KD5DPK the repeater is ready, work being done on Duplexer, Comm Sqdn is giving us a 2 week or so up and running.

New Business...

\$75 Postal Bulk Rate Stamp, this is coming due soon. Mike, W5VXU and Ron KD5CYW figured out that to break even with the rate. After WE sort out the Zip Codes and rubber band it all, along with all the other fun stuff, that we found out as we went along the club must send out over 3000 pieces of mail, since it is 33c to mail a letter and it was 30.5c in bulk rate (min 200 pieces). Now here is the surprise, the Bulk Rate just went up to \$100, and that would push the mailing to about 5000 pcs. Mike also found out that Post Card type of a Flyer and Reg form would work out well at 20c per piece. A motion was made to drop the Bulk Rate and go with the Normal Rate of postage, it was tabled till the Jan Meeting. (Also PO Box 8863 is Due in APR 2000)

Christmas Party - Ron, KD5CYW and Ed, KD5DPK are in charge of finding and getting a place, a suggestion was Schaff's Steak and Seafood in Altus, Ron will go to see them tomorrow Friday the 12th.

(Note: I went and saw them, no problem for the 9th of Dec 6:30pm arrival, 7:00pm Buffet served till???, Well they close at 10pm, cost should be less than \$10 per person and menu will be worked on and I'll go back Monday the 15th to get all the info and get out via... Radio, Email, Twisted Pair, Smoke Signals, Carrier Pigeon, etc. They also have a Bar, just Beer and Wine at additional cost. It will be a great time and great food.)

Membership Drive in Jan? We are starting a membership drive to get local hams in the area to be part of the AAARA, let rebuild this new year with new hams, young to old, and get back to basics of Hamming. We will look for volunteers to make this happen at the January Meeting. Remember who your 'Elmer' was, or do you know how to Elmer? How about Classes that the young ones in School would be interested in to become a ham? Morse Code practice on the air? What do we want to be as a club in the New Year and beyond?

Christmas Fund donation - Ron, KD5CYW

The meeting was adjourned 8:25 PM with everyone looking forward to the Christmas Party.

Next Meeting 9 Dec 99 at Schaff's Steak and Seafood, 1715 Falcon Rd Altus, 6:30 PM for AAARA Christmas Party. Buffet Meal, and they will have Iced Tea, Coffee, Soda included.

ALSO JAN 2000 MEETING WILL BE ELECTIONS, and ALL SORTS OF ITEMS TO BE DISCUSSED.

HAPPY VETS DAY and HAPPY THANKSGIVING.

Typed by Ron, KD5CYW, SEC/ED AAARA

OCT Testing Session

3 Tested with 2 new Hams as Techs, no upgrades. Note: the two folks who took the test was from the Wichita Falls Area, congrats to them, and thanks for driving up to test with the Altus VE's.

Next Test Session will be Tues, 14 Dec 99, 6:30pm at SWTC.

146.790 Repeater Up again....

Well Hello again,

Today around 8:30 am or so the Mountain Men were at it again, George, N1GM; Dale, N5VX; Jackie, KD5EDH; and Myself, KD5CYW hit the hill to Frankie Xmit site on Headrick Mountain.

Well we got up there to the base of the mountain, some rough road it was to get there.... But wait.... I had the Video Cam running as well, this is no quick trip up the hill to fetch a pail of water. This terrain is something of the 4x4 domain to say the least, and have good ground clearance is a must, short wheel based is certain (a tracked tank would have been preferred) since a long bed would not make some of those turns, dips, rips, and zips. Gollyyyyy it was my first time up there, but it was nothing of what I thought it would be, in fact it was not what I thought it would be. Crawl Speed in 4Low was the fact of the matter; it was a slow going process indeed. I wonder how they got that pavement up to where they got it in the first place squeezes my mind, but it is not advised to go up there in the wet weather at all, unless you have the Buck Rogers Jet Pack on. We were escorted all the way up by 2 dogs of the house at the entrance of the road to the top.

We got to the top and looked around, WOW what a site and view. (VHF UHF and HF dream shot for the Field Day adventures, if you willing to be baked and not worried about going off the hill to get a bite or use the Quik Stop for a soda.) Unloaded and started to look around the site, we came upon something of interest. The power line was blown out at where George and Bob KC5CNC fixed the chaffing area, the hose that had beefed up the cable was blown off, so there was a hit of the direct power by lightning. It also took out the UHF downlink to the transmitter and the Battery back up relay circuit. We replaced the outside Circuit Breaker Box and the 110VAC power line, went from a 12Ga to a 10Ga heavier coated line, and had plenty to route it to the building, and it was strapped to the Guy line to the weather head. Also added a battery charger for the back up batteries.

The Sir Frankie is working as a simple repeater, i.e., [there is no Up/Downlink from King Mountain (Input) to Headrick Mountain (output)] All functions are on

Headrick Mountain only, in & outputs, there is no beep for end of PTT. So it may be harder to hit from the north or the east, but I was able to hit Elk City, Lawton, Vernon, Grandfield, and a few others on the H/T at 1 watt up on the hill. I contacted Johnny, K15WW in Sayre, and in turn he got the .790 no problem at all, a great thanks to Johnny for helping out testing.

Well till the next time, I think I will view the video before I go.... na it ain't that bad, but it is no picnic to go up the hill to visit good ole Frankie, I can tell you that. Just don't forget what you need, it took us about 4 hours today total of Hamming the Hill as we got off it about 1245pm.

Ron, KD5CYW
Altus, OK, USA
(a.k.a. Altus America)

From ARRL Letter - Dec 24, 1999

AMAZON QUEEN 2000 AMATEUR RADIO EXPEDITION READY TO SAIL

Phil Gonzales, HK3SA, reports his Amazon Queen 2000 ham radio expedition is nearly ready to get under way. Gonzales says the four to five-month long journey aboard the 47-foot wooden *Amazon Queen* will cover almost 3000 miles--from Iquitos, Peru, to the Atlantic Ocean near Belem, Brazil.

Gonzales told the ARRL he expects the expedition to begin the second week of January, but crew members might be on the air as early as the first of the year. The expedition hopes to use the call sign 5K9AQ, although Gonzales said that was not certain, and the actual call sign could be different.

Gonzales says the purpose of the voyage is to bring the world together through the use of Amateur Radio and the Internet. "We will be transmitting daily photographs from the voyage," he said.

The crew will be active primarily on HF SSB and plans to check into the Intercontinental and Maritime Mobile Net on 14.300 MHz "every few hours." The expedition will maintain schedules with several other nets as well. The primary operating frequency will be 14.347 MHz. Other frequencies include 7.0935 (Amazon Net frequency and outside the

US phone band--Ed), 21.287, and 28.400 MHz.

The Amazon Queen 2000 Expedition is interested in setting up schedules with schools on SSB or other modes. Gonzales said he hopes to have CW, AMTOR, and SSTV capabilities on board, and may even have 6-meter capability. Cliff Clark, KZ9E, is coordinating phone patches from US schools to the Amazon Queen. He is active on 14.300 MHz. He also may be contacted at kb9ksl@midwest.net or call 618-648-2499. Teachers seeking additional information about Amateur Radio in the classroom should visit <http://www.arrl.org/cad/teacher/>.

For more information, visit the Expedition's Web site, <http://www.amazonqueen2000.com>.

Contact Gonzales via e-mail to philincolombia@openway.com.co. QSL via Roberto Rey, HJ3PXA, and include an SASE or IRC for return postage.

THE Y2K SONG

(with apologies to "Santa Claus is Coming to Town")

You better watch out,
The lights might go out,
The TV shuts off,
Then everyone shouts
Y2K is coming to town
They say that we'll be
Safe as can be
But don't drink the water, naturally
Y2K is coming to town
If everyone is ready
Why do we hold our breath
They're telling us to hoard water
And it's scaring folks to death!
So you'd better prepare
Your grab-and-go kit
If everything fails guys
Looks like we're it
Get those batteries charged!
Y2K is looming!

Amateurs are ready for Y2K!

--Kim Paquette, N8YWX (Asst EC, Adams County, Ohio)

Y2K

Ada Amateur Radio Club

Merry Christmas to everyone. The Ada Amateur Radio Club meeting was called to order at 0912 Saturday December 4'1999 by Scott, KD5AJL with 21 members in attendance. The financial report was passed around among the members with no objections a motion was made and accepted with no objections.

New business:

By acclimation the nominations from November's meeting the motion was passed and seconded with no objections for the club officers for the year 2000 are as follows:

President: Steve Wilson, KD5DKZ
 Vice president: Charles Etier, KC5TGA
 Treasurer: Marie Wilson, KD5EXM
 Secretary: Darla Coffey, KC5RGU

Would like to thank all of the officers for the great job they have all done. Welcome a new member to the club Hugh, KD5ION.

Finas Hallmark, KM5RZ treasurer, brought to our attention that our clubs monthly balance has been going down and every month the balance gets lower and lower. Inflation every thing has had a price increase over the years, from our post office box rent, the *Collector and Emitter* just about every where you go back and check into there has been some kind of increase in cost.

And it was brought to our attention that as far back as any members could remember and from what information we could find there has not been an increase in our clubs dues in all the years since this club was first started. We realize that no one wants an increase in the dues, but we are going to have to, and the discussion among the members in the meeting we are trying to figure out a fair increase. We don't want to loose any of our members over the increase in dues, we also don't want to have something happen to our clubs equipment and there not be anything to get it back up and running. We would like for every one to take time and think about it, currently we pay \$12.00 a year for dues. For all the hours of enjoyment we get out of the use of the repeater, you go to the

movies you spend more than that in one night. Eating out the price of a meal now days everything has had a price increase, we know this is not a very pleasant subject especially to start the New Year off. We are asking everyone to think all this over and please come to the January meeting we would like to have everyone's thoughts and are open to suggestions.

Old business:

December 31, and January 1, the EOC will be open, and the Salvation Army Headquarters will also be open, if available get in touch on December 31 to let John, KC5EZC know you are available. The January meeting will be held the second Saturday of the month January 8' 2000 at 0900 at the Salvation Army Headquarters on oak street Ada.

We closed the meeting with a round of applause to the old officers going out of office and the new officers coming in to office, and thank you all for a great job to all the clubs members. Motion to adjourn meeting at 1030.

Merry Christmas and a Happy New Year,
 Darla Coffey, KC5RGU
 Ada Amateur Radio Club Secretary

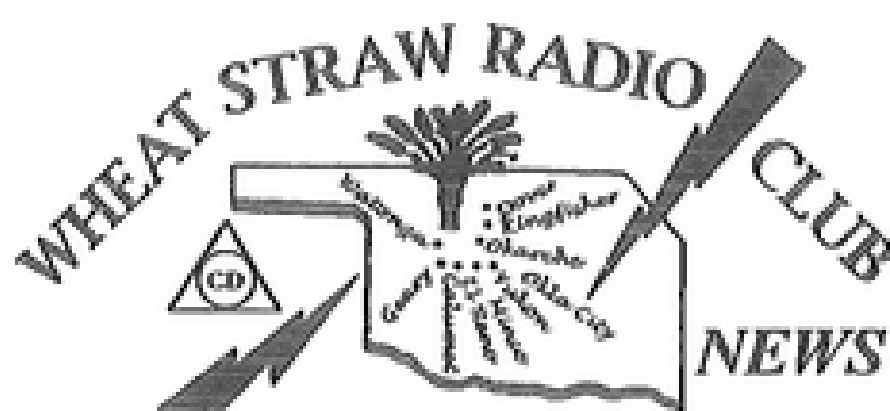
From ARRL Letter - Dec 24, 1999

AMRAD LF beacon heard in Ontario: The second Amateur Radio Research and Development Corporation experimental LF beacon, WA2XTF/12, has been heard in Canada. Mitch Powell, VE3OT, recently e-mailed a report to AMRAD from London, Ontario. The WA2XTF/12 beacon on 136.745 kHz is a part of AMRAD's experiments to gain LF experience in anticipation that the FCC may allocate an amateur band at 136 kHz. AMRAD obtained its Part 5 experimental license for the project earlier this year. Powell said the signal was so strong he was able to hear it coming his headphones ten feet away and was easily able to copy the e-mail address to file the report. He said the signal ranged from 459 to 559. VE3OT's receiver is a Drake R8, operating in upper sideband mode, with a 500 Hz filter followed by a 600 Hz audio filter (SCAF). His antenna is a 12-foot loop using a homebrew preamplifier. "WA2XTF/12 is right at the noise level but 100% readable," he said. AMRAD's André Kesteloot, N4ICK, says the report

from VE3OT was the best DX received since the beacon went on the air in mid-November. Reports go to Kesteloot at n4ick@amrad.org.--André Kesteloot, N4ICK

• **Foale back in space:** After nine launch delays, space shuttle *Discovery* lifted off on December 20 on the first of two shuttle missions designed to repair and upgrade the Hubble Space Telescope. The crew will be the first in a long time to spend Christmas in space. Three ham-astronauts are aboard, including *Mir* veteran Mike Foale, K5SUAC. Foale is making his fifth flight into space. He spent more than four months aboard the Russian *Mir* space station and was aboard when a Progress supply rocket rammed *Mir* causing serious damage. Other hams aboard are NASA astronaut John Grunsfeld, KC5ZTF, and European Space Agency astronaut Jean-Francois Clervoy, KC5WKG. The flight is the 96th space shuttle mission and the last for 1999. It's scheduled to return to Earth on December 27.

UK to allow Amateur Radio-Internet links: The Radiocommunications Agency in the UK has announced that it will allow interconnection between Amateur Radio and the Internet starting in late January. The action followed consultation with the Radio Society of Great Britain and a number of interested individuals. David Hendon, the Agency's Chief Executive, made the announcement in response to requests from the Amateur Radio community to be permitted to link their radio equipment through the Internet. The RA said it recognized the need to encourage young people to become involved in Amateur Radio as "a valuable training ground for future careers in radio and electronics" and expressed hopes that its decision would "open up whole new avenues into Amateur Radio." Connection of ham equipment to nonamateur networks in the UK will require written permission from the Secretary of State.--RA via Ian Abel, G3ZHI



Wheatstraw Amateur Radio Club

The Wheatstraw Christmas dinner was December 12, 1999 at the END 0 MAIN, with 29 people present. We all enjoyed the dinner and meeting. Our president Neal, N5KCO called the meeting to order at 2:30 p.m. Self introductions were made by everyone.

Johnny, K5GBN read the minutes of the previous meeting with no corrections or additions, approved as read.

A letter was received from the Collector and Emitter that The C&E will increase to \$.50 a copy in the year of 2000. I do wish more radio clubs would write articles than what they are doing.

The next meeting January 9, 2000 will be held in the Public Housing Building at 329 Troxel drive in Geary. Harold, K5HEZ will be Net control for the next month unless something comes up.

Ralph, WA5PFK apologized for leaving out another word, making it sound that non members were not invited. Ralph said, "That had never been a policy of the club or himself. A club member reading the article noticed the mistake, which Ralph had not noticed. Ralph said, "He had learned a lesson."

Then came the elections of new officers for the year of 2000. The Wheatstraw A.R.C. ALWAYS ELECT NEW OFFICERS AT THE December meeting to take over the first meeting of the new year.

Nominated for president Ray, AB5Z nominated Leo, WZ5H. Jim, W5JEP nominated Neal, N5KCO. Nominations ceased. The two nominees left the room for the vote. Neal, N5KCO was reelected president.

Wanda, KC5GTW nominated for vice President Leo, WZ5H. WZ5H nominated Ray, AB5Z Ray, seconded by WA5RLP Margaret. Ray AB5Z was elected Vice President.

For S/T Wanda, KC5GTW nominated Joe Garland, WA5FLT. Joe, WA5FLT nominated Johnny, K5GBN. Joe, WA5FLT was elected.

Next were nominations for club reporter. Alice, WA5UEW nominated Ralph, WA5PFK. Wanda, KC5GTW quickly made a motion that Ralph be elected by accumulation. Seconded by Margaret, WA5RLP. Ralph was elected.

Then the hat was passed for donations to be sent to the Cripple Children's Hospital to buy gifts for the Crippled Children. I think the club sent \$100.00 to them.

Really I was not prepared for writing this article like I should have been. For me it is the time of the season that I have both joy and sadness in my heart. Goldie always took care of the Christmas buying and the sending out cards. I have been putting a greeting ad in the paper for local friends and relatives.

I was looking back in some of the old issues like 1990 and on. I ran across some writings that I think it is time for a few reruns.

A FALLEN SOLDIER'S TRIBUTE TO THE FLAG

On January 25, 1991, Staff Sergeant Michael R. Conner of Fremont died in Saudi Arabia, the first recorded death of a California-Bay Area soldier. The following poem was written by Sergeant Conner in the Saudi desert and sent to his family at CHRISTMAS:

MY SYMBOL

I had a dream near 3 a.m. That crashed into my night
A multitude of warriors standing in full sight.
On their anguished faces were grim and hateful glares;
They wore Marine blouses Yet all they did was stare.
I saw wounds of Belleau Wood, I saw the scars of Guam,

The dead were there of Heartbreak Ridge
And a Company from "Nam",

Then, one spoke out and asked me A question loud and strong:
"Can they burn the flag we died for? How can it NOT be wrong?"

I did not have an answer: To ease their angry pain
I could only give excuses For a country gone insane...

I saw the flag on Iwo just before I died,
I saw that lead pole lifted Where the flag was safely tied.

I know it's just a symbol of what flies above, our graves,
But, let it be a symbol of what these men and I had gave

With that, the dream was over. And I awoke with fear and shame,
To think a FOOL can trample The flag that bears OUR name...

PRAYER ON QT

Now I sit me down in school, where praying is against the rule;
For this great nation under GOD, finds public mention of him odd.

Any prayer a class recites, now violates the Bill of Rights;
Any time my head I bow, becomes a federal matter now.

Teach us of stars, or pole and equator, but make no mention of their Creator;
Tell of experts in Denmark and Sweden, but make no word of Eve or Eden.

The law is specific, the law is precise. Praying out loud is no longer nice;
Praying aloud in a public hall, upsets believers in nothing at all.

in silence alone can we mediate, and if GOD should get credit, well that's great;
This however, has one gimmick in it, you have to be finished in less than a minute.

So all I ask is a minute of quiet, and if I feel like praying then I'll try it;
If not, O Lord, this one plea I make; should I die in school, my soul you'll take.

Please GOD, take care of our sick

Ralph, WA5PFK

Chuck, K5NK, wrote this article in the December 1992 issue

"TWAS THE NIGHT BEFORE CHRISTMAS"

'Twas the night before CHRISTMAS, and my what a sight. For up on his tower working with all his might.

Was NJ1V of the, ice and the snow In his mind was the vision of a future QSO.

With pliers in his left hand and wire in his right. He groaned as he cinched the guy wire up tight. In his eyes, I detected a bright gleam. As he looked up and admired all his new beams

Then down from the tower and he ran through the door and glanced at the clock; 'twas a quarter to four. Down the tower, round the corner, his feet did a jig. He ran up to his desk and snapped on his rig. With ear to the speaker as he turned the dial, I dare say what he heard would make anyone smile. For there on ten megahertz, who should it be, Why, it's AD1S busy working WWV.

Then, without a thought, it slipped from his mind, When on the ten-meter band who should he find, A very weak signal from across the sea, Calling CQ CQ 'twas an English G3.

With thoughts of his beam, what would work like? He snapped on the final and spoke into the mike. Fully expecting at the other end of the line A good forty to fifty over S Nine.

Much to his surprise, and he groaned as he found From the English G3 came nary a sound. He continued his vigil and on through the night, But so far as DX, he got ne'er a bite.

'Twas the day after CHRISTMAS, I happened to see, Up on the tower, with pliers 'twas he.

There in his eyes, was nary a gleam, He struggled and pulled 'til down came the beam. Then said, for this beam, I know 'tis a buyer, I'll sell it to him and put up a long wire. But, sorry to say, his plans went up in smoke, For thus, sure enough, N5QDD was broke.

Chuck K5NK

Ralph WA5PFK

Surprised Viewpoint

I was talking to a young girl a few days ago about Christmas She said 'living gifts was not the most important part of Christmas.' It was getting together, having a nice dinner giving our love to

JESUS CHRIST, and giving love to our families.

She said, "besides GOD, my family and friends are more important than receiving gifts'

TO REACH A DREAM

by Brain Jocab

Across hot desert sands. Beyond rugged foreign lands, is a voice ' calling, only fate A treasure waiting, a treasure so great.

Through the mountains one must come. Across valleys, and then some. Along the journey many turned back. Determination, a quality they all lacked.

Inside a crevice, upon treacherous slopes. Keep climbing; don't give up hope. Those who wish to find their treasure. Must take the rugged endeavor.

To most, the great journey could only appall. They stagger along, until they fall. But to some the journey meant reaching fate, They brought along joy, left behind hate.

It meant finding the answers to one's life. Having truth to conquer greed and strife. Tasting knowledge from an ever-flowing stream, Going far, accomplishing one's dream.

Being empathetic and ever so kind. The key to happiness they will find. For most the dream is so far away. And yet some may find it in just a day.

There is a voice within us all, Those who intently listen to it's call. Will easily cross the rugged foreign lands. And sail high, over the desert sands.

They will find their place upon the earth.

Live amid love, laughter and mirth. The internal treasure that they found, will grow forever abound.

Ralph WA5PFK

Officers elected for year 2000

Pres.: Neal Kappus, N5KCO 405-262-1151

V.P.: Ray Barnes, AB5Z 580274-3382

Sec./Tr.: Joseph Garland, WA5FLT 405-893-2531

Editor: Ralph Wilder, WA5PFK 580-623-5421

MERRY CHRISTMAS TO YOU!

Let's have a little Christmas every day. Show your love in some small way. On Christmas, gifts go to father, mother, sister, and brother. That's when you show love for one another. But when the tree is down and Christmas is passed. Why don't we make the spirit last? We don't need all the gifts galore. Peace and good will will be here to stay.

The world will grow better when we live this way.

MERRY CHRISTMAS AND A HAPPY NEW YEAR-

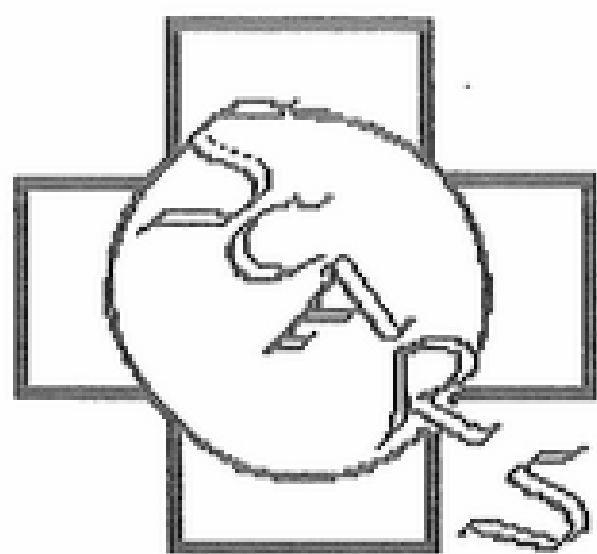
Ralph WA5PFK

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South Canadian Amateur Radio Society

Regular meeting. Saturday, December 11, 1999. Red Cross Building - Norman

The last meeting of this millennium!!!!

The meeting was called to order at 9:40 am by club president Dennis, KC5EVH.

Following the customary introductions of all present, Dennis gave us a short "wrap"-up concerning the club's annual Holiday dinner party, which was held at Walton's BBQ on Tuesday, December 7. Sorry if you could not make it, because it was a lot of fun this year. The food and service were outstanding. Many thanks to David, N5KUJ, for the great job as "dinner-party treasurer," and also to "Santa Dennis," KC5EVH, for the hard work in securing all of the gifts for the party. Thanks, also, to all of you who helped with organization, food, drinks, etc, etc! Thanks to Mike, N5SOF, for the great work in arranging for us to have nice new club apparel. It was nice to see everyone, and I hope your holiday season has been a truly wonderful one. If the world did not end on January 1, and you are reading this, I hope to see you at the meeting on January 8th!!

Moving on to the routine business of the day, now....

Ken, N5BEW, reported the demise of the UHF repeater. Confident his arsenal includes a hammer big enough to repair it, we all breathed a sigh of relief and continued on with the meeting. Jeff, KT5OK, mumbled something about the club bank account being in the red, quickly assuring us recent moneys received from renewing club members would again bring us to solvency. (Dennis, KC5EVH, appeared to welcome that assurance later

when asking to be reimbursed the money he spent on the holiday dinner gifts!!) The title for Club Treasurer will now be changed to "Creative Bookkeeper."

There was no C.O.R.A. report, but this is the appropriate place to mention the increase in the per-issue cost of the Collector and Emitter. The cost had been 40 cents per issue since just after Noah closed down the special-event station aboard the Ark, so the very modest increase to 50 cents per issue is one we can be happy with. More incremental increases are down the road, but we have decided not to increase current club dues at this time. What that means is that those of you who have not renewed; (Notice the slick transition in topics) can do so by prying that wallet or check book out of it's pocket and slipping the creative bookkeeper 20 bucks to keep your name on the hallowed club roster for another year. I have not sent out separate renewal notices this year, but I have forced my continued appeals upon you by way of this newsletter, as well as at the club meetings. Please (I beg you) renew now, or your membership will expire. C.O.R.A. keeps all memberships active thru the end of February. Sure, you do get an extra day this February, but don't wait. Don't worry about Y2K any more. Think about Y2PAY.

Speaking of Ham Radio classes (??), this is your final published reminder concerning the classes to be conducted by the O.U. Amateur Radio Club. The classes begin Monday, January 17, 2000. Classes will run from 7 - 9 pm each Monday through March 6, 2000. The classes will be held at the Weather Service Building, and you are to park only in the south lot.

And now, the moment we wait all year for....the announcement of the new club officers! (May I have the envelope, please!) The new club President is Tom, KD5ENL! Accepting the promotion (heh, heh, heh) from Vice President, Tom assured us he will maintain the extremely high standards set by previous President Dennis, KC5EVH. When asked how he will cope with his loss of office, Dennis choked back his obvious pained elation and said, "Now I get to find out what it's like to actually SIT DOWN at a meeting!" (How extraordinarily brave that man is.) Tom could not be reached for comment, as

he was too busy arranging the seating in alphabetical order.

The new Vice President is Ed, N3US. Ed was too busy talking during the meeting to become immediately aware of his new appointment, but when contacted later simply grinned through his excitement while proclaiming his willingness to talk about upcoming club issues. Space limitations preclude the printing of his entire response.

Bill Baker, N5UMH, graciously volunteered to assume the position of club Secretary. As most of you know, that position had been combined with club Treasurer for quite some time, so we are grateful to Bill for surgically separating the two. Bill is also our internet website creator/manager, so he is certainly very capable for the position of secretary. Bill didn't get too excited about the new duties, but he was obviously anxious to get started when he asked, "OK, now how do you spell that? S...E...K...R...I....."

Jeff, KT5OK, remains in place as club "Creative Bookkeeper." Emotionally reeling from the divorce of Secretary/Treasurer, and the recent pronouncement by the FCC that he was the only ham to ever hold 3 callsigns within the space of one month, Jeff was last seen standing at the dry-erase board writing, "Bill Baker is my friend. Bill Baker is my friend. Bill Baker is my friend....."

The new officers will assume their duties at the January meeting. We appreciate the willingness to take on the new assignments, (and the willingness to have a good sense of humor about the things just written about them!!!!)

The meeting adjourned.

gracefully submitted by Jeff, KT5OK
SCARS (Secretary)/Treasurer

Enid Amateur Radio Club

Hi all

Well by the time you get the Collector and Emitter Christmas and New Years will be history, hope everyone got the rig they wanted. The first meeting of the New Year will be January 27th 2000 at the Red Cross Bldg. ENID

AMATEUR RADIO CLUB MINUTES

MEETING of DECEMBER 2, 1999

The Enid Amateur Radio Club held its annual Christmas dinner and meeting on Thursday December 2, 1999 at the Western Sizzlin in Enid. The following members and guests were present Dan - KM5DH (Rhonda & Joe); Dennis - KB0GBD (Loretta); Al - KD5BA & Lois - KC5ZCK; Sam - KD5EUS (Anna); Mike - N5WUH (Linda & Amber); Scott - N5VRL & Vicky - KD5AOZ; Fred - N5QLX & NELL - AA5XC; Ike - KC5ZBV; Ray - W5REC; Bill - KC5OKG & XYL; Clint - KB5OEQ & XYL; Ralph - N0NOU (Kathy).

Al - KD5BA opened the business meeting with the installation of officers. Sam, KD5EUS was installed as Vice President. Sam then continued the meeting by asking for any old or new business. There was no old business.

Under new business, Dan, KM5DH reported on the Board of Directors meeting that was held on November 11, 1999. He reported that the Board had spent sometime discussing suggestions for club activities they wanted the new officers to consider. Among the

suggestions Dan read were:

1. Have classes in soldering, kit building, reading schematic diagrams, and electrical safety
2. Build interest in HAM radio by holding public demonstrations; giving out Novice/Tech study materials to meeting visitors expressing interest and holding code classes
3. Have demonstrations on various topics including QRP; logging programs; antenna & feedline construction; testing tubes and testing rigs
4. Have speakers from the police, fire department, emergency management and the air force talk about their communications and relationship to HAM radio
5. Continue the socials (summer ice cream social; Christmas party; others??).

Dan then announced that Jeff Worth had resigned from the Board and Mike James had been appointed to fill his term.

Some discussion was held on starting Novice/Tech classes again. Sam and AL volunteered to help. Is there anyone interested in leading this project? Fred volunteered to investigate the cost of the books need to implement the Boards suggestion about giving each interested visitor study materials. Also, a suggestion was made that the club develops a school program that could be used to demonstrate HAM radio in the classroom.

Al then reported on the successful fireworks display for which the EARC provided communications. He thanked all participants and indicated EARC had a good relationship with the Enid Police Department.

the details.

Al then moved that the meeting be adjourned. Dennis seconded the motion. Motion carried. Meeting adjourned at 8:05pm.

Respectfully submitted Ralph - N0NOU, the reluctant scribe.

KC5GUD Dave. Is at Randolph AFB Texas as a gonna be instructor he should be finished in March and Then he will be an instructor at Vance AFB.

KA7GLA John is finishing up on his summer antenna project with a few minor things to finish but should be done before the snow fly, We will be waiting for the big signal john...

Melba Bracken, KC5AR, become a silent key just before Christmas she had been a ham close to 20 years. Her husband is Leo KD5FQK.

Well for now that is all from the EARC, hope everyone has a great new year and many great hamfests to come.

73's Dick NJ5S

From ARRL Letter - Dec 24, 1999

Cash only for W1, W2 bureaus: The W1 and W2 QSL bureaus no longer accept stamps and/or envelopes. Funds sufficient to cover the mailing of anticipated cards should be sent by check or money order (or cash, at your own risk). Addresses of all ARRL QSL bureaus are at <http://www.arrl.org/qs/qslin.html>.

Kid's Day is coming New Year's Day: Kids say the darndest things! If you want to hear just what they're saying, get on the air January 1, 2000 for Kid's Day. Between 1800 and 2400 UTC, you'll hear young people chatting with both adults and other kids. This event is a painless way for your kids, or someone else's, to experience the fun of Amateur Radio. For more details on Kid's Day, visit <http://www.arrl.org/ead/kd-rules.html> or check out December QST, page 48.

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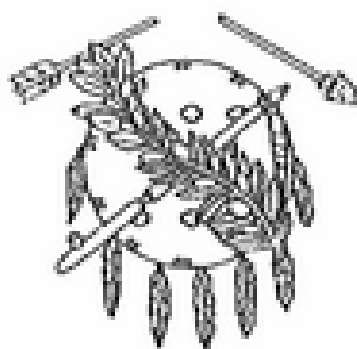
James H. Nolen, EA, ATA, ATP

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FAX (405) 677-7023

SOUTHWEST
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(405) 682-0461
Fax (405) 682-0461

MUSTANG
400 W. Highway 152
Mustang, OK 73064
(405) 376-2846
Fax (405) 376-2846

Ray asked what the EARC was doing for or about Y2K. It was indicated that John was working with the hospitals on this. It was suggested that Ray contact John directly for



Broken Arrow Amateur Radio Club

November Meeting Minutes

Minutes of the eleventh Meeting of the Broken Arrow Amateur Radio Club for 1999. The meeting is called to order by President Wayne Hartsfield, KK5AT at 7:03 PM. Introductions are done of all persons present.

OFFICERS REPORTS:

Secretary: Wayne suggests that a motion be made to accept the minutes as printed in the bulletin. A motion is made that the minutes be approved as printed in the bulletin without being read. The motion passes unanimously.

Treasurer: the Treasurer Harlan Kinney, K9GDK reads The Treasurer's report. Wayne reviews income and expenditures for the month including CORA and GTE payments. The balance is reported. Harlan produces a monthly statement from the telephone company and Guy Richie reviews the statement to check for long distance access charges. Two such charges are found on the bill and Wayne directs Harlan to check with the phone company to see if these charges can be removed without incurring other costs for such removal. Harlan will report on this possibility at the next meeting. A motion to approve the Treasurer's report without amendment is and seconded. The motion passes unanimously.

COMMITTEE REPORTS:

Engineering: Nothing to report.

VE Report – Nick reports that three persons tested with all three passing. One of which was a ham who had allowed his license to lapse and had to retest to get it reinstated.

Packet Report: Nothing to report.

ARES: Nothing to report.

Nets: Wayne reports that the nets are doing well. He distributes copies of the net procedures guide. Wayne also reviews procedures calling for plain language communications rather than the use of special communications phraseology such as military or aviation historically used.

Membership: Joe Horn reports that current membership is at 129 including the three persons who passed the examinations in the last period. Joe also reports on progress with speed dials.

PRESIDENT'S COMMENTS: Wayne notes that the newsletter seems to be working out well and that all members seem to be receiving the newsletter, although the newsletter was not received this month until the day of the meeting.

Wayne notes that three CD's are being purchased by the club for use in preparation for testing for individual licensing. This study material will be available for checkout by any member. The CD's are to become available in around 2 weeks from now. These are published by Ham University. Vahid reports that he has videotapes for the same purpose that he is willing to loan at no charge to any interested party.

Wayne reports that he has arranged for call sign W5V for a special event station for Veterans Day observation in year 2000. The call sign is good for four days around Veterans Day.

OLD BUSINESS:

The Christmas party has been set up for December 27 at 6:30 PM at Luby's near the Water Tower. This has been set up by Nick Marsala. There will be a white elephant swap. Elections will also be held at this meeting.

7:34 PM

NEW BUSINESS:

Nomination of officers for BAARC for year 2000:

President: Joe Horn

Vice President: Vahid Sahebakhthari
Secretary: Jeff Scoville, Ernie Buck
Treasurer: Harlan Kinney

Directors (2): Mark Hogan
Mike Foster
Trustee: Nick Marsala

7:46 PM All nominations closed. Break.

7:54 PM Re-convene

Member's Comments:

Ernie Buck invites any interested members to meet at the Old Country Buffet in Eastland Mall during regular work hours.

A member is interested in ALINCO hand mikes and would like to purchase some if they are available.

Wayne reports no activity on the Buffalo Repeater System connection. Guy Richie suggests that the BAARC consider taking a field trip instead of a monthly meeting on an occasional basis. Mark Hogan suggests that a visit to Tiger hill could be set up for the BAARC for some time in the Spring of year 2000 to avoid possible ice encounters this winter.

Presidents Notes:

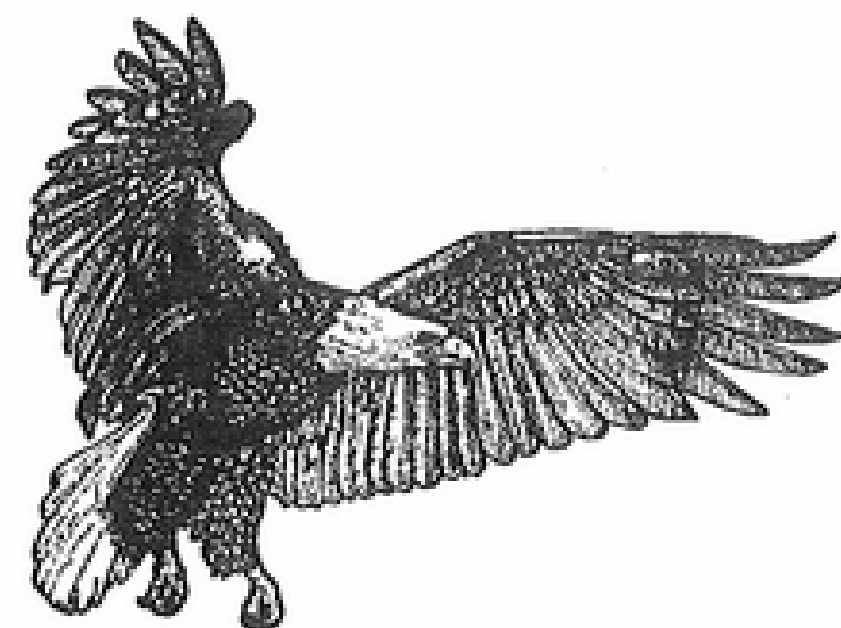
Check on ULS system for members.

8:09 Program

The program is a presentation by Nick Marsala on aviation radios especially as found in a current Boeing jetliner.

8:55 Program Completed. Meeting adjourned.

There were a total of 25 persons present for the meeting. Submitted by Gerry Paschal, KC5JKU, Secretary BAARC.



Repeater Info & Codes**REPEATER INFORMATION**

VHF 146.910 -600 Offset
UHF 444.000 + 5Mhz Offset

Both VHF and UHF are linked

“.91/444” REPEATER CODES:

825 Time of Day
590+test digits Touchpad Test
300xx DTMF paging from xx
memory location (ask Mark if you need
the memory location list)
750xx Dual tone paging 01-20
(01 = 112.5-832.5 Tones)

“.91/444” REVERSE AUTOPATCH & DTMF PAGING:

Call 251-3145, Press * followed by person's SD# (can be found in club roster, replace 7 with 1) and #. For example, to contact Nick Marsala, SD#765, you would press *165#. The generic "Call for a ham" reverse autopatch code is *299#. To answer a call on the RF side, simply press * after the "Call for ____" message.

To page someone with DTMF tones, call 251-3145 and enter 875 followed by the DTMF tones.

VHF: 145.470 -600 Offset
W5BBS Local Packet BBS: 145.03
Simplex
AUTOPATCH: * up # down on all
machines
REDIAL/RADIO MUTE: ** and *3 on
all machines

Club Nets

Mon at 8 PM: 146.91/444.000 Mhz
Info & Swap Net
Wed at 9 PM: 50.59 Mhz 6 meter
simplex net
Thurs at 9 PM: 28.305 Mhz 10 meter
Sidebanders Net

Code practice is held each Thursday evening from 8-9 PM on 28.305 Mhz simulcast on the 145.47 Mhz repeater.

President's Report

By Wayne Hartsfield KK5AT
Greetings and Happy Holidays,

We are coming to the conclusion of another year for our club and we will be having our Christmas banquet on December 27, at Luby's Cafeteria near 101st and Elm, by the Water Tank. I hope everyone will try and attend.

Joe reported at the last meeting that our membership roster is currently 129. It will be a challenge to hold that number next year. The objective should be to get as many of those members involved in the club as possible. Things to think about coming up include Rooster Days -Special Event Station (do we or don't we?), Field Day?, Pancake Breakfast?, and for next November, I have arranged for W5V Special Event Call Sign which has been confirmed, and hope to have a special event station honoring our veterans for their service to us all. This gives us a year to plan for the event.

There is a lot I didn't get done this year, although the plan is there if the new president and the members want to follow through on any part of it. I would like to see the members take on some of the activities set out in the plan, or bring new ideas to the table. Our hobby actually depends on clubs and organizations to keep it going and to protect what we have. I really don't understand, I'm being honest here, why anyone would bother getting a license and then refuse to become part of the community? The level of participation in the hobby as a whole is declining; clubs represent the direction the hobby is going to go. Out of 129 members we could barely elect four new officers, one of which agreed to another term. Why bother? I plan on being active this next year on a couple of projects and I hope you will too. The image of the club depends on you the member. The activities the club participates in depends on the members. Everything about the club lies directly in the members' hands. The hobby rests in the members' ability to keep it alive. Do you participate, or not? Do you hang on to the past, and try and shunt any new idea, or not? Do you let everything go and be at risk, just because you have done your time, or not? This hobby has a lot to offer any individual. It also has a lot to offer the community. Its purpose is bigger than you or me. It will not survive without us though.

I have included some text from articles I receive via the ARRL bulletins, which I hope provide you with a little bit of constructive information. They are relatively recent bulletins.

The ULS or Universal Licensing System

As much as we've been trying to spread the word on the Universal Licensing System, several correspondents wrote to say that they were unaware of it. We feel that it is most important that all amateurs know about the ULS and how to access it, since the ULS is how hams now conduct business with the FCC.

As the most recent story in The ARRL Letter explains, all amateurs first must be registered in the ULS in order to file applications, including renewal, modification, and vanity call sign applications. Registration may be done via the Web. You do not need a dial-up connection to register, but a dial-up connection is required at present to file applications. The above URL has instructions on how to register as well as on how to make a dial-up connection to file an application via the ULS. The FCC has indicated that Web access to file applications is pending.

Registration is via the new FCC ULS Form 606. This form also is available as a paper application for those who prefer that method. Amateurs also may file applications (renewal, modification, vanity, etc.) on paper using the new FCC ULS Form 605. Electronic filing is not required of Amateurs.

To register for the ULS, visit <http://www.fcc.gov/wtb/uls> and click on "TIN/Call Sign Registration". For more information, call toll-free 888-CALL FCC (225-5322).

For additional information about the Universal Licensing System, please see:

Oct 1999 QST, page 68, ULS Now a Fact of Life for Amateurs; Sep 1999 QST, page 85, The Universal Licensing System: The Bare Essentials; Dec 1998 QST, page 78, FCC's Universal Licensing System--A New Era; Nov 1998 QST, page

77, FCC Adopts Universal Licensing System; Jan 1998 QST, page 83, FCC Initiates Universal Licensing System. Individual items on ULS also have appeared in the Happenings column in QST and in The ARRL Letter and in WIAW bulletins over the past couple of years.

FCC Letter Includes Operating Reminders For Nets

FCC Special Counsel for Amateur Radio Enforcement Riley Hollingsworth recently took advantage of an enforcement-related letter to issue some operating reminders for nets.

On November 3, Hollingsworth wrote Alan E. Strauss, WA4JTK, of Carol City, Florida, to follow up on earlier complaints about the "14.247 DX Group," for which Strauss serves as net control. The FCC had contacted Strauss earlier this year regarding complaints that the 14.247 DX Group monopolized that frequency and interfered with ongoing amateur communications. The November 3 letter included correspondence the FCC received on August 4 that Hollingsworth said conflicts with Strauss's explanation of interference alleged to have occurred to the net in July. Hollingsworth said the case will remain open, and the FCC will continue to monitor net operations.

Hollingsworth used the occasion of the Strauss letter to again point out that amateur frequencies are shared, and no net has a greater right than any other ham to a given frequency and cannot take over a frequency unless it is voluntarily relinquished.

If the frequency is not relinquished, Hollingsworth said, amateurs must exercise "good Amateur practice" in choosing another frequency that does not disrupt existing communications. "A net 'taking over' a frequency from existing legitimate communications or deliberately operating disruptively close to existing legitimate communications will be considered to be engaging in deliberate interference," he wrote.

Hollingsworth also told Strauss that the practice of "identifying only by the last

two letters of an Amateur call sign is a violation of Part 97" of the FCC rules and that such practice "must not be condoned by your group." Some amateurs had construed the statement--widely reported elsewhere--as a tightening of FCC station identification enforcement policy. Hollingsworth says that's not the case.

"All we said was that if only the last two letters are given, it doesn't meet Part 97," he said. He pointed out that if a calling station using an abbreviated ID is never acknowledged and given a chance to give a complete call sign, a legal ID would be lacking for that communication. To be strictly legal, stations using a suffix-letter ID always must identify within the first 10 minutes of the communication (and each 10 minutes thereafter) with a complete call sign. Hollingsworth restated the requirements in a follow-up letter to Strauss on November 16.

Hollingsworth this week also reminded net control stations not to encourage rule violations by requiring check-ins to use two-letter IDs without allowing a legal ID at some point within the time limits of the rules.

National Weather Service Bill Creates Storm Cloud

A provision in a bill authorizing appropriations for the National Weather Service, the National Oceanic and Atmospheric Administration and other government weather services has raised fears that Amateur Radio-related activities such as SKYWARN may be endangered. The provision, Section 3(c) entitled "Competition with Private Sector", also has triggered concern on the part of some that the bill could reduce the government's ability to monitor and issue severe weather warnings. Some hams already have contacted their Senators requesting them to oppose the measure, HR-1553.

Section 3(c) says the NWS "shall not provide, or assist other entities to provide, a service if that service is currently provided or can be provided by commercial enterprise." There would be exceptions if the private sector

were unwilling or unable to provide the service or if the service provides "vital weather warnings and forecasts for the protection of lives and property of the general public."

The provision is being championed by commercial weather services that provide fee-based "cloudy and warmer"-style and so-called "value-added" weather forecasts, primarily to commercial broadcasters. Some believe the bill could keep the NWS from providing needed weather information, including storm watches and warnings, storm tracking information, and other weather-related data to ARES/RACES organizations or to emergency management officials.

ARRL Legislative and Public Affairs Manager Steve Mansfield, N1MZA, says HR 1553, "generally can be construed as supporting the National Weather Service's role in the dissemination of severe weather warnings, because it specifically designates the service as the sole issuer of severe weather warnings." Mansfield notes, however, that NWS and NOAA authorizing legislation hasn't passed the Congress for six years.

Beyond that, the "private sector" provision in Section 3(c) has drawn fire from the White House, which has requested its removal. A Statement of Administration Policy notes that the provision "could create confusion about who is responsible for specific marine and aviation weather forecasts." Mansfield says that even if the bill does make it through Congress intact, he does not believe it will harm Amateur Radio's SKYWARN relationship with NWS.

HR 1553 has passed the House. Action is pending in the Senate Commerce, Science and Technology Committee, chaired by Sen John McCain.

Christmas Banquet 6:30 PM, December 27th at Luby's Cafeteria

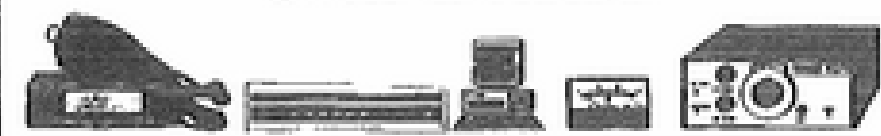
The annual Christmas Banquet is being held at Luby's Cafeteria in Broken Arrow. Awards will be given for service to the club (including the coveted "Ham of the

Year" award). There will also be a "light hearted" white elephant gift exchange.

We will also be electing our officers for year 2000!

Hope to see you there!

SWAP & TRADE



Sponsors' contributions to the HAM GRAM have helped offset the costs of publication and mailing. Please thank them for their support.

Jeff Scoville, KC5RTH, has a PRO-62 scanner for sale. Covers 30-54mhz, 118-174mhz, 380-512mhz, 806-823.9875mhz, 849.0125-868.9875, 894.0125-960mhz. AM/FM (selectable). 200 Channels in 10 banks. Triple conversion-- which helps eliminate intermod when scanning in downtown areas. Jeff can be reached at 918-251-0132 or via email at scoville@sprynet.com.

If you want to list one or more items for SWAP or TRADE you may contact any a club officer, the editor, or the net control operator on the regularly scheduled Swap and Trade Nets, which are held every Monday at 8:00 PM on the BA repeater, 146.910 Mhz.

'Twas the Day AFTER Christmas

Twass the day after Christmas, and all through the house,
Every creature was hurtin', even the mouse.
The toys were all broken, their batteries dead;
Santa passed out, with some ice on his head.

Wrapping and ribbons just covered the floor, while
Upstairs the family continued to snore.
And I in my T-shirt, new Reeboks and jeans,
I went into the kitchen and started to clean.

When out on the lawn there arose such a clatter,
I sprang from the sink to see what was the matter.
Away to the window I flew like a flash,
Tore open the curtains, and threw up the sash.
When what to my wondering eyes should appear,
But a little white truck, with an oversized mirror.

The driver was smiling, so lively and grand;
The patch on his jacket said "U.S. POSTMAN."
With a handful of bills, he grinned like a fox
Then quickly he stuffed them into our mailbox.
Bill after bill, after bill, they still came.
Whistling and shouting he called them by name:

"Now Dillard's, now Broadway's, now Penny's and Sears
Here's Robinson's, Levitz's and Target and Mervyn's.
To the tip of your limit, every store, every mall,
Now charge away--charge away--charge away all!"
He whooped and he whistled as he finished his work.
He filled up the box, and then turned with a jerk.
He sprang to his truck and he drove down the road,
Driving much faster with just half a load.

Then I heard him exclaim with great holiday cheer,
"Enjoy what you got. . . .you'll be paying all year!"

AMATEUR RADIO OPERATORS HELP IN MEDICAL EMERGENCY MORSE CODE WORKS

Friday night, 11:30 pm local time, Dec. 17, 1999, Larry Watson W5EIU who lives in Oklahoma City, OK was on 80 meter CW around 3710Khz.

He answered a CQ by a Ham living in a small town in Wyoming. They had been talking for about 15 min. when the Ham

told him he was not doing to good, he was having severe chest pains. He said, "I think I'm having a heart attack and I can't get to the phone". His signal then stopped.

Larry tried to get him back and could not. About that time Jim Caldwell WJ0C from Waterloo, Iowa called Larry W5EIU and said that he had been monitoring the transmission and asked Larry if he thought it was a Prank. Larry replied that it sounded real to him.

Larry then asked Jim if he had a call book and could he look up the address and full name of the Ham. Jim WJ0C looked up the information and gave it to Larry.

Larry then placed a phone call to the police department in this town and told them he was a Amateur radio operator in Oklahoma City, OK and that they may have a medical emergency at the home of the Ham. The police took the information and said it was not far and they would check it out.

About 20 minutes later Larry called back and was told that there was a medical emergency. They got the Ham to the hospital and it looked like he was going to be ok.

The Name, Call and Town of the Ham with the medical problem has been withheld by request.

Larry Watson W5EIU was first licensed at age 13 in 1954. He is a member of Central Okla. Chapter 63 QCWA. He said this was a first for Him.

Submitted by:
Gene Nailon K5DLE, k5dle@juno.com
Central Okla. Chapter 63 QCWA





OKlahoma DX Association

From Da'Prez

By LARRY SHIMA, WØPAN

Now that 1999 is in the history books and we survived the Y2K thing, it is time to reflect on where we are headed in the new Millennium with Amateur Radio.

DX Chasing is a sport for many of us and can be both fun and frustrating at the same time. Too many times we've become the "Ugly American" in the way we try to capture a QSO. It reminds me of the guy who walks up to a group of people who are conversing and starts talking at them without first listening. It is discourteous at best and rude at worst. The same problem applies to our DX chasing techniques. How many times have you heard someone call a rare DX station on his or her transmitting frequency? Too many times, I am afraid. Listening for a bit would enhance your chances of working the station, because you might discover who the current QSO is with and know when it's best to transmit on frequency.

Timing your call is another little tip – silently count to three (one one thousand, two one thousand, three one thousand) and then dump in your complete call, not just the last letters. When a pileup is deep, this works more often than not; even if you aren't running bone-crunching power into a 15 Element Mono-Bander. With all things are relatively equal, technique will win every time.

In 2000, we should all strive to improve our operating techniques when chasing DX or in Contesting. It makes the chase more fun and less frustrating; not only that, it makes you a candidate for the ARRL A-1 OPERATOR Award. Courtesy and good operating procedure are the marks of a Top-Notch Operator. – Lets all try to be that kind of Amateur Radio Operator in future years!

73 and Great DXing in 2000++
Larry Shima, WØPAN

Secretary / Treasurer Report

By JERRY CHOUINARD, K5YAA

The C&E renewal cards have been sent to CORA for all OKDXA members who renewed their membership by December 15th, 1999. Late renewals may see an interruption in their C&E Subscription.

Only one address change this month:

SAM LESLIE — W5AG

2506 NE Village Dr.

Lawton, OK 73507-2347

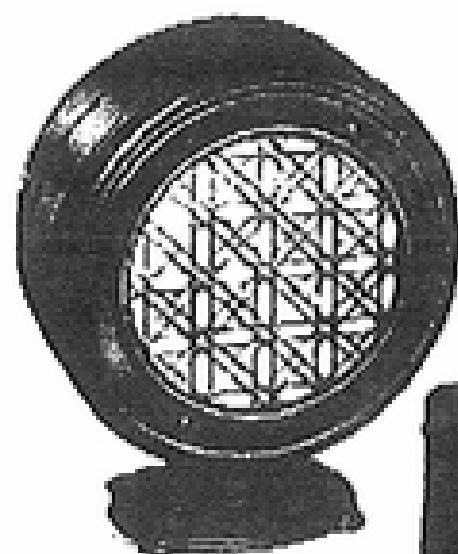
For this month's issue, I've been asked to introduce myself to the Association and provide a little background information. Since I've been in the OKDXA for three years now, many of you already know contesting is my favorite part of the hobby.

I was first licensed in 1959 as KN5YAA at the age of 14. How ham radio became my hobby is, like many of you, a 'magical' story. During an eighth grade science class one of my classmates brought his short-wave receiver to school and gave a talk on how he regularly listens to Radio Moscow, the BBC and other 'far away' stations. His

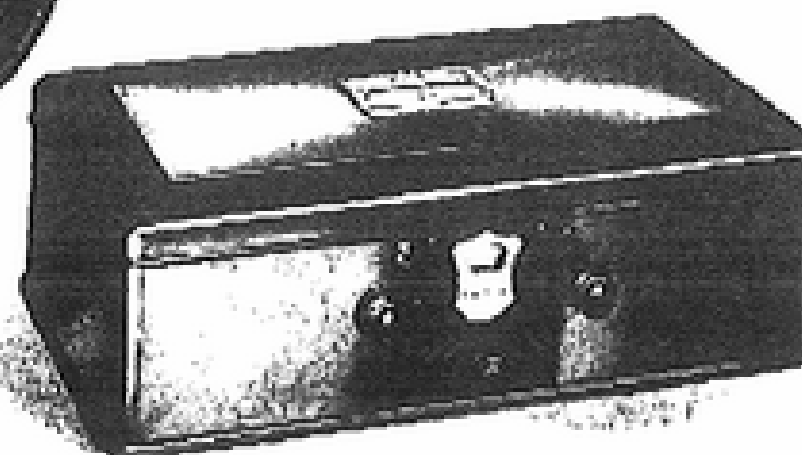
on the early warning barrier aboard super constellations in the north Atlantic. I had the good fortune to have the use of some very fine ham stations in Argentina, Newfoundland and Keflavik, Iceland. One of my fondest memories of that time is the 1963 ARRL Field Day. Several of us set up 'shop' in two old WWII concrete gun bunkers overlooking Placentia Bay in Newfoundland. One bunker was for CW, the other for SSB. Using all wire antennas strung from 2x4s we had a great time.

After the service, I returned to Dallas and married my XYL Carol in 1965. My work has always been in communications and Carol and I have owned and operated two businesses; one in Dallas and another in central Missouri, where we lived for ten years raising our three boys. We designed & manufactured radiotelephone equipment including interconnects for the land mobile and aviation industries.

In 1989 we moved to Claremore. During the Seventies, Eighties and early Nineties, I had very little time for the hobby but did manage to put a wire up now and then to



*OLD... From Atwater Kent... And
Guaranteed Year 2000 Compatible!*



Model 67 Battery Receiver

description of the news and special programs on these stations really caught my interest. We became the best of friends and studied for our novice licenses for a number of months. Harry Moore, W5BXV in Duncanville, Texas was a neighbor of mine at the time so we asked Harry if he would give us our novice tests. We both passed, and with my novice ticket in hand not only a hobby, but a life's work became defined.

I grew up and lived in the Dallas area for 35 years. After high school I spent time in the Navy as a flight radioman technician

keep the code skills dusted off. In 1994 I decided it was time to 'light up' a competitive station and have been active in most of the major Contests since. The greatest change I discovered is that Contesting and DX Chasing are no longer a one radio, one set of antennas endeavor. Packet, dual contest radios, and elaborate antenna switching systems have upped the ante. I haven't added many of those 'extras' to my station because to me an exciting part of the hobby has always been in 'discovering' who is everybody calling? Not an approach that expedites collection of certificates, but one that keeps a bit of

the mystery present while the dial turns. Though I have a few years left in the workplace before I can spend even more time with the hobby, my plans for the future include a keen interest in Ham Radio and contributing my small part to all the fun and satisfaction this hobby has to offer. And... I'll see you in the OKDXA Y2K Competition!

— K5YAA

From Da'Editor

By NELSON DERKS, KC5QVV

Well... Did you survive? The deadline for this C&E was December 24, 1999 (Ho, Ho, Ho!) which means you're reading a column written in the last Century... The last Millennium, the last... Heck, this C&E is actually a Y1.999K time capsule. Remember when the skies were blue, the birds sang in the morning, and we thought we knew what time it is? It is for me as I write this... But, for all I know, you're all living in caves and working spark with a pair of Radio Rocks by now. But, I suspect it's not that bad... Is it?

Whatever the new year brings you, this OKDXA Newsletter begins a new feature intended to help our readers maintain their status as the best-informed Amateurs in Oklahoma! The ARRL Contest Calendar is now a regular feature of the OKDXA Newsletter so you'll know when to fire up the Big Rig, or switch the antenna to 17 or 12 Meters and avoid the pileups... In either case, you'll know what to do. I've been thinking about adding a Contest Schedule 'someday' and when I saw Hal Miller ask for a volunteer last month to do one, that was all I needed... Thanks, Hal!

And, speaking of Contests, let's think 'OKDXA Competition' for a moment... We're in full swing from now until March 31st, and don't forget you're counting DX countries, not QSO's! All you need to do is work as many countries as you can, then add them up and send in the entry form. The form is in your December 1999 C&E and will be reprinted in the March issue. I'll be running "The Lamest Station in the OKDXA", as I have a theory the King of the Jungle is actually the Termite. I plan to rely on my tenacity, luck, and DX skills, which put me at a disadvantage, but ya' gotta work with what ya' got! No Big Gun here, just a barefoot IC-756 and a pair of 30' push-up TV masts 120' apart with a 20 Meter Extended Double Zepp swinging in the breeze. Since we have three months to

"Just Work 'Um", my plan is to switch antennas every weekend and spend a week on each band, 10 through 20 Meters. I might try a week or two on 30M RTTY, but that's as low as I'll go. And, I won't work any CW, just SSB and RTTY. I could run CW with the KAM+, but that's not brass pounding in the classic style, so I'll let you have all the CW points... And I don't care what you key it with... OK?

Think you can beat me in the OKDXA Y2K Competition? I'll bet you can, but it sure would be embarrassing if you didn't ... Wouldn't It... Heck, there are plenty of Novices who can make me look like a pedestrian on Ten, and you're invited to play... The neat part is that crummy CW and drifty-wifty RTTY on 10 counts 'One' just like super-doo-ditty-dah on 20 Meters, so don't feel too handicapped! Maybe someone can persuade W0PAN to cruise the entries and pull out "The Top 10 on Ten" so we can print 'Atta-Boys' in the May issue of the C&E... Right next to the Big Guns... Think that might be cool? You'll never know unless you try!

— KC5QVV

will return in February or March and has permission from Hau, 3W6LI to operate from his farm in Vung Tau, about 55 miles from Saigon on the South China Sea. He will attempt to operate on 40, 80 and 160 Meters if he can get the license.

5H3, TANZANIA

"The 59(9) DXReport" reports that John, IN3GNV is active until January 15th as 5H3MG on RTTY and SSB. One QSN has been reported on 14086 kHz, RTTY at 1915z. QSL via IN3YYQ.

9G, GHANA

Zdeno, OK2ZW plans to operate from Ghana as 9G5ZW for the next three years. QSL Manager Miro, OM3LZ has received the first QSLs, mostly from JA and USA.

9N7, NEPAL

"The 59(9) DXReport" says Lawrence, W8NRB has been active as 9N7RB since mid-September, mainly on 20-10 Meters SSB. He will be there for some time. QSL via W8NRB at the W8 Bureau.

A35, TONGA

Christmas morning — and in come the greatest artists!

The surprise and delight of a Victrola for Christmas! Music appropriate to Christmas; music for every day in the year; music so lifelike that the greatest artists select the Victrola as the one instrument to carry their art into the home. Buy a Victrola this Christmas—but be sure it is a Victrola. \$25 to \$1500.

"Little Nipper" listens to AB5UA



Victor Talking Machine Company, Camden, N. J.

OPDX Bulletin — Internet Edition

The Ohio/Penn DX PacketCluster
Editor Tedd Mirgliotta, KB8NW
Provided by BARF-80 BBS Cleveland, OH

3V8, TUNISIA

An announcement from the "Association of Tunisian Radio Amateurs" (ASTRA) and Headquarters of the Tunisian Scouts reports a second Amateur Radio station is on the air in Tunisia! Station 3V8ST is located in the capital city of Tunis at the headquarters of the Tunisian Scouts.

3W, VIETNAM

Steve, K2WE (aka 3W6WE & XU2WE)

Paul, A35RK is back on the air. This past week Paul received a new rig (TS-570DG) and a new TNC. A Force-12 C3S antenna and repair parts for his low-band vertical will be shipped soon. A35RK can be found on 30-10 Meters (6 Meters and the low bands will come later when the repair parts and a 6M transceiver arrive). Paul would like to thanks all those who wrote offering assistance and was heard on 15/10 meters CW/SSB, after 2130z. QSL via W7TSQ.

PACIFIC TOUR

(A3, FO, FW, KH6, ZK1)

Adriano, IK2GNW will begin a six-week journey in the Pacific January 20th from French Polynesia calling as FO0PRE (still

unconfirmed). The second week will be from the Austral Islands signing FOØPRE (also unconfirmed). Adriano will then travel to the North Cook Islands in the third week with the call ZK1NW. Listen for Adriano to sign A35NW from the Tonga Islands during the fourth week. In the fifth week he will operate from Wallis & Futuna Islands signing FW/IK2GNW. To end this Pacific tour, he will sign as KH6/IK2GNW from Hawaii during the last week. The exact dates may vary due to local flights, but he will be active on all bands using CW, SSB, and RTTY. QSL via I2YSB to the bureau or direct to: Silvano Borsa, Viale Capellini 1, 27036 MORTARA (PV), ITALY. For more complete details, visit the Web site at: <http://digilander.iol.it/i2ysb>

FM, MARTINIQUE

The "Les Nouvelles DX" reports Daniel, F5LGQ and Frank, F5JOT will be here as FM/homecall from March 18th through April 1st. They will be active CW/SSB on 80-10 Meters (including the WARC's) and expect to be in Dominica (J7) from March 23-25th for the CQ WPX SSB Contest.

H4, TEMOTU

Bernhard, DL2GAC (VU2BMS, H44MS & H4ØMS) will travel the Pacific for three months starting at the end of January. In February, he will operate for three weeks from Temotu, including the CQ WPX RTTY Contest.

JD1, MINAMI TORISHIMA

Shiro, JD1BIC has been very active as JD1BIC/JD1 on 17 and 10 Meter CW after 2200z. Length of stay is unknown. QSL to JARL Bureau or direct to: Shiro Hazama, 3-7 Taura, Yokosuka, 237-0075, Japan.

SV, GREECE

Olda, OK1YM is active as SV/OK1YM from Athens on CW, SSB and RTTY. He will probably stay for more than a year. QSL via the OK DX Foundation: OK DX Foundation, P.O.Box 73, Bradlec, 293 06, CZECH REPUBLIC. For more info on the Web, visit: <http://www.qsl.net/ok1ym> - or <http://www.okdxf.cz>

VC2K UPDATE

Terry, VE2PJ is using this call between December 31st and January 31st to celebrate the Millenium. He had asked for the call XK2K but was told that XK is not for use in QUEBEC.

VP6BR, PITCAIRN WEB PAGE

Lech, LA7MFA and Jukka, OH2BR have announced the VP6BR site is operating at: <http://www.qsl.net/oh2br/> You'll find updates and current information about the January operation from Pitcairn Island where Jukka will call VP6BR to celebrate his 40 year long Amateur Radio career. Activity will be on 160 thru 6 Meters CW, SSB and RTTY. QSL via OH2BR.

VP8, ANTARCTICA

"The DX News Letter" reports that Niall, VP8NJS (until February 1, 2000), and Art, KC4/KL7RL (QSL to K4MZU) are active from the Patriot Hills Antarctic Base.

XU, CAMBODIA (Operation Wrap-up!)

Andy, G4ZVJ reports that between November 21st and December 5th he made over 18,000 CW QSO's as XU7AAV on all bands 160-6 Meters. Including 3825 QSOs in the CQWW CW Contest. Please QSL via G4ZVJ: Andy Chadwick, 5 Thorpe Chase, Ripon, HG4 1UA U.K. For more information, visit: <http://www.g4zvj.demon.co.uk/xu.htm>

ZA, ALBANIA

Stan, OK1JR reports he is now here and says "Hello from the Country of Eagles..." He just received his license and will be active on 160-2 Meters and is working in ZA-land. He plans to be on the air late afternoons and evenings (his local time), but there will be more activity during the weekends. Stan will be in Albania for a few years and hopes everyone can get a ZA QSO with him. There is no Albanian bureau, so QSL only via his home call sign address: Stan Matejcek, Moskevská 1464, CZ 10100 Praha 10, Czech Republic.

XZ, MYANMAR

The Central Arizona DX Association announces the first major DX'pedition of the new year begins January 13, 2000 until February 6th. XZØA will be active from Thatay Khun Island off the southern most tip of the Union of Myanmar (XZ, Zone 26, Southeast Asia) and will have eight stations with amplifiers and full size antennas active on all bands. Although the majority of contacts will be made on 80 through 10 Meters, there will be dedicated stations on Top Band, RTTY & 6 Meters. This will be the first ever XZ IOTA and a brand new prefix. XZØA operators are: EA5XX, G3VMW, G3NOM, JA1UPA, JA1UT, JRØCGJ, KM5EP, N5IA, K6RKE, KD6XH, AF7O, K7TR, K7VS,

K7WX, K7ZV, N7XYR, NA7DB, V73GT, WF5T, WA6CDR, WY7K, W8AEF, XE1L and YBØARA. Complete at: <http://getnet.com/~k7wx/myanmar.htm> QSL requests can be made directly, or via the appropriate bureau. Direct QSLs: XZØA QSL Request, c/o Bob Myers, W1XT, 37875 North 10th Street, Phoenix, AZ 85086 USA. Bureau QSLs: Cards should be clearly marked - XZØA via W1XT. Questions about XZØA QSL's should be sent to: Bob Myers, W1XT at: w1xt@superphoenix.com

IOTA NEWS

NA-180 Bert, PA3GIO, will be active as V31GI on Southwest Caye, Glovers Reef (NA-180) from March 19-24th and from March 26-29th he will be on Little Water Caye (NA-180). Activity will be on 80, 40, 20, 17, 15, 12 & 10 Meters SSB only using 100 watts into a Doublet open feeder line. QSL preferred via the Bureau to PA3GIO or direct to PA3GIO: Bert v.d. Berg, Parklaan 38, NL-3931 KK Woudenberg, The Netherlands, Europe. Visit the web site at: <http://www.xs4all.nl/~pa3gio>

SA-027 A new date has been set for the operation on Arvoredo Island (DIB-46), January 13-17th. Listen for the calls PW5W (SSB) and PR5L (CW) to be active on all bands. QSL via PP5LL.

MISCELLANEOUS NEWS

The VK3RMH 10 Meter beacon is now active 24 hours a day on 28.2565 MHz from a QTH approximately 25km N.E. of Melbourne, Victoria, Australia. The Grid Square is QF22JH. The CW ID'er cycles through two messages each followed by a 20 Watt carrier and a 2 Watt carrier for 5 seconds. The CW messages read: VK3RMH MELB QF22JH 20/2W VERT and VK3RMH AT HOTMAIL.COM QSL QSL via E-mail to: vk3rmh@hotmail.com

Y2K SPECIAL EVENT STATIONS

Listen for the Special Event station ER2ØØØA until January 20, 2000. QSL direct to ER1DA: Valery Metaxa, P.O. Box 9537, Kishinev, MD-2071, Moldova, Europe (or the Bureau).

"Millenium Plus" will use a special one-by-one call, N5T, between January 1-15th on all bands (including 6M, 2M, 432MHz) using CW, SSB, RTTY, Packet, & PSK31. A special QSL card will be available (with a SASE) from N5VT.

Charlie, VR2XMT reports the "Hong Kong Amateur Radio DX Association" (HARDXA) will be active as VR2K to celebrate the New Year 2000. Activity will be on HF-430 MHz (including satellite) until January 31st. Activity is also planned for March 1st through March 31st, and from May 1st through July 31st. Send to VR2XRW for the Year 2000 QSL card. The web page is <http://www.qsl.net/vr2dxa>

Nilay Mine (XYL) TA3YJ, and Berkin (OM), TA3J will be active until 2121z January 21st as YM21TA, a special event station for the New Millennium. Activity will be SSB only on 160, 80, 40, 20, 15, 10, 2 Meters and 70 cm with low and high power. A special QSL will be available from TA3YJ via the bureau or direct to: Nilay Mine Aydogmus, P.O. Box 876, 35214 Izmir - TURKEY.

Members of the Carolina DX and Roswell [NC] DX Associations will be on the air during the month of January using the callsign WY2000 beginning at 0000z, January 1st. All bands will be active from 160 through 2 Meters. The QSL Manager for WY2000 is K4MQG. SASE's are requested and all cards received through the Bureau will be answered.

NEW ASIAN HF DX WEBCLUSTER

Eugene, RA0FF reports a new Asian HF WebCluster is at: <http://ra0ff.snc.ru>

THE 1999 HILLVIEW GARDENS BORNEO DXPEDITION IS QRT.

Bob, N2OO reports the preliminary QSO totals are as follows:

9M6OO/p Spratly: 21,000; V85OO (plus some as V85AA, V8USA and V8SEA): 6,000; 9M6AAC: 7,000; 9M6RIT: 1,000. Total QSO's for the DXpedition were 35,000. Bob states these numbers are a ballpark figure, as they have a mix of log formats to go through, including some paper... QSL as follows: 9M6OO via N2OO; V85OO via N2OO; V8USA via N2OO; V85AA direct only to: WILLIAM MADDOX, PO Box 1711, Bandar Seri Begawan, Brunei. V8SEA via JA0AD; 9M6AAC via N2OO; 9M6RIT via G4SHF

THE BUZZ ON THE BUZZ...

SB QST ARL ARLB093: FCC intervenes in power line noise complaints. — The FCC has contacted a West Coast power company to remind the utility of its obligation to fix equipment problems that cause harmful radio interference. The case

involved longstanding complaints by several northern California amateurs to the Pacific Gas & Electric Company regarding severe power line noise on the ham bands.

On November 22, the FCC's Consumer Center wrote PG&E Senior VP James K. Randolph, requesting the company to correct the problem "within a reasonable time." Special Counsel for Amateur Radio Enforcement Riley Hollingsworth said the situation involved "a long history of non-response" by PG&E. He said the hams involved have "shown a lot of patience."

The FCC letter points out that the FCC encourages parties to resolve such problems "without FCC intervention" but says the FCC will step in when necessary. The Commission's letter said: "The FCC has the responsibility to require that utility companies rectify such problems within a reasonable time if the interference is caused by faulty power utility equipment."

Under FCC Part 15, utilities and others that fall under its provisions are obliged to not cause harmful interference to licensed services and to cease operating a device that's causing harmful interference upon FCC notification. The FCC said its letter was intended as a reminder that the unresolved interference problem "may be a violation of FCC rules and could result in a monetary forfeiture for each occurrence."

Hollingsworth and ARRL Lab Supervisor, Ed Hare, W1RFI advise that before contacting the FCC to intervene as it did with the PG&E situation, affected amateurs should first attempt to work patiently with the utility and should contact the League for assistance. The ARRL Technical Information Service has a Web page, "RFI--Electrical and Power Line," at: <http://www.arrl.org/tis/info/rfi-elec.html>. Amateurs suffering from interference believed to be emanating from power generation or transmission facilities may contact Ed Hare, W1RFI, 860-594-0318; rfi@arrl.org. NNNN

DXCC FAQ #7

DXCC status update as of December 10th — DXCC has finished processing the September work that included the 1999 Annual List. Many applications are still in the outgoing mail backup, but all the remaining applications should be out the door by Friday December 17th.

The 1999 Annual list is now being prepared. Results will be shown in the 1999 yearbook, which hits the streets in late March 2000. If you have submitted an application between October 1, 1998 and September 30, 1999 you will receive the free copy as long as you are an ARRL member. Also, if you have not submitted between these dates, but are CURRENT on the DXCC Honor Roll, you also qualify for the free copy. (The Honor Roll number for this period is 322 current entities). Foreign non-ARRL members do not receive the free copy even if a submission was received within this period. However, copies are available for \$5.00 each. If, according to DXCC Rule 5 you were not shown in a Monthly List for your submission, this will not affect your status for the yearbook. If you have a previous copy of the yearbook, see page 2 for complete details on qualifying for it.

Palestine (E4) was officially added to the DXCC software on Friday December 10th. DXCC began processing the October applications on this date. Each year DXCC experiences added delays in processing due to the September 30th deadline that causes September applications to continue into early December. This is normal for us every year. However, due to staffing shortages this affected DXCC turnaround a little more this year. I'd like to extend our thanks to all for your patience and understanding during this period. We will not hold any application longer than is absolutely necessary to get it processed through the system. The current backlog in DXCC is 9 weeks. A new employee began in DXCC on Monday December 13th, so we hope that after a brief training and orientation period the turnaround time will start to go down early next year.

And finally, from all of us here at the DXCC Desk, we wish you and your family a very Happy, Healthy and Safe Holiday season and a Prosperous (and propagation filled) New Year and Millennium. We look forward to working with you in 2000 with the current DXCC program as well as with the new additions announced in the December QST. If you missed the QST announcement you can find it, and other information on the program on the web at: <http://www.arrl.org/awards/dxcc/>

73, Bill Moore NC1L
Century Clubs Manager

SM, SWEDEN (Attn: Prefix Hunters!) John, SMØDJZ says to listen for the new Swedish calls. Some stations will be using 2x1 calls like SMØA and SL3A. You'll also hear 7S and 8S prefixes. A web page of Swedish Contest, Special Event, Anniversary, and Special Calls is at: <http://www.sk3bg.se/contest/speccall.htm>

AVAST YE PIRATES!

Activity by a "P51BH" was reported to be a pirate station. Dick, K4UTE has been flooded by e-mail asking if he is the QSL Manager for "YA4A" heard during the CQWW CW Contest. The answer is a 5x9 "NO" and he is sure this station was pirate. However, if you worked him as YA4A in 1963-65, Dick has the logs and QSL's.

Excerpts and distribution of The OPDX Bulletin are granted as long as KB8NW / OPDX / BARF80 receive credit.

ARRL CONTEST CALENDAR

Reprinted with permission from QST Contest Calendar — K5TR, Editor

WEEKEND OF JANUARY 8 – 9

ARRL RTTY Roundup

Any QSO using Baudot RTTY, ASCII, AMTOR, PSK31, and Packet-attended operation only on 80, 40, 20, 15, and 10 Meter bands. Begins 1800 UTC Saturday, ends 2400 UTC Sunday (January 8-9, 2000). Operate no more than 24 hours, two rest periods for a combined total of at least 6 hours must be taken in two single blocks of time, clearly marked in the log. For more information contact N1ND@arrl.org or (860) 594-0232

JAPAN International DX Contest, CW

Low-band portion sponsored by *Five-Nine Magazine*. 2200Z Jan 7 until 2200Z Jan 9. Work JA's only, low bands are defined as 160, 80, 40; operate no more than 30 hours (JA's operate full 48). Single operator multi/single band, high (>100 W) or low (<100 W) power, multi-single, or maritime mobile. Exchange RS(T) and CQ zone; JA stations exchange prefecture number (1-50). Score 4 pts/QSO on 160; 2 pts/QSO on 80 and 10; and 1 pt/QSO on 40, 20 and 15. Multipliers are JA prefectures worked per band (max 50). Final score is QSO points × multipliers. Electronic entries accepted. Awards. Send logs postmarked by Feb 28 (high-band, May 31; phone, Dec 31) to JIDX Contest, c/o *Five-Nine Magazine*, PO Box 59, Kamata, Tokyo, 144 Japan; jidx-log@dumpty.nal.go.jp.

For more information on the Web see: <http://jzap.com/jelcka/jidx/>.

Meet the Novices and Technicians Day

Sponsored by YLRL, 1500Z Jan. 8th to 0500Z Jan. 9th. CW and Phone, YLs only. Use only Novice & Technician Plus HF sub-bands, 6 Meters, 2 Meters and 70 Centimeters (no repeater contacts). Exchange RS(T), name, QTH, license class. 3.676, 7.133, 21.133, 28.176, 28.333 MHz. Score 3 pts per QSO for each YL Novice/Technician Plus; 2 pts per QSO for each General or Advanced YL worked; and 1 pt per QSO for each Amateur Extra YL worked. Final score is total QSO points. Awards: Send logs postmarked within 30 days of contest to Cleo Bracket, KØJFO, 810 Town Square Dr, Fremont, NE 68025; cleob@mitec.net or: <http://www.qsl.net/~ylrl/ylcontst.html>

North American QSO Party, CW

Sponsored by the *National Contest Journal*. 1800Z Jan 8th until 0600Z Jan 9th. (phone is 1800Z Jan 15th until 0600Z Jan 16th) Single op (no spotting nets) and multi-two. Single ops have only one transmitted signal at a time; multi-tws have a 10-minute rule. All entries must use <100 W output power. Multi-Ops may operate for the full 12 hours; Single-Ops may operate 10 hours, with off times at least 30 min long and marked in the log. Work stations once per band. CW in CW sub bands only (phone in phone sub bands only, January 15th & 16th). Exchange name and state/province/DXCC country. If your name or location change during the contest the change must be clearly marked in the log. Multipliers are states (including KL7/KH6), province (including Nunavut), and other North American countries. Non-North American stations may be worked for QSO credit, but not as multipliers. Final score is QSOs × multipliers. Team competition. Awards. Electronic logs accepted. Send CW logs to Bob Selbrede, K6ZZ, 6200 Natoma Ave, Mojave CA 93501; cwnaqp@ncjweb.com. Send phone entries to Bruce Horn, WA7BNM, 4225 Farndale Ave, Studio City, CA 91604; ssbnaqp@ncjweb.com.

WEEKEND OF JANUARY 15 – 16

North American QSO Party, PHONE
See Jan 7-9 listing, CW.

2000 CW QRP Contest

Sponsored by the Michigan QRP Club. 1200Z Jan 15th to 2359Z Jan 16th. CW

only, 160, 80, 40, 20, 15, 10, & 6 Meters. Classes: A-250 mW or less; B-1 W to 250 mW, C-5 W to 1 W; D-more than 5 W. Exchange RST, state/province/country and MI-QRP member number (nonmembers send power output). Work stations once per band for QSO points and Multipliers. Contacts with MI-QRP members count 5 points per QSO, nonmember DX contacts outside W/VE are 4 points per QSO and W/VE nonmembers are 2 points per QSO. Final score is total QSO points from all band × total states/provinces/countries worked on all bands. (W and VE do not count as countries) Bonus points: Multiply your score by 1.25 for homebrew TX or RX combined with commercial TX or RX; multiply by 1.5 for a total homebrew TX/RX setup. Homebrew means any kit or homemade gear. Awards. Send logs by Feb 12 to: L.T Switzer, 654 Georgia Ave, Marysville, MI 48040-1243; e-mail to: n8cqa@tir.com or visit the web page at: <http://www.tir.com/~k8dd/miqrp.htm>.

Hunting Lions on the Air Contest

Sponsored by International Association of Lions Clubs. 0900Z Jan 15th until 2100Z Jan 16th. Operate no more than 24 hours; off periods must be at least 1 hour. Single op all band and multi-single. Multi singles have a 10-minute rule. 80, 40, 20, 15, 10 Meters. Work stations once per band, regardless of mode. Exchange RS(T) and serial no. Lion, Lioness, Leo Club members will also send name, district and QTH of the club, and must sign "/L" or "Lion"; members of the Melvin Jones Memorial RC must sign "Melvin" or "/LM"; the Melvin Jones Memorial station will sign W7YU/MJM. Score 1 pt per QSO w/own country; 2 pts per QSO w/other country in same continent; and 3 pts per QSO w/different countries. Bonus points: Add 5 pts per QSO w/Lion members in the same country and 10 pts per QSO w/Lion members outside own country; 5 pts per QSO w/Melvin Jones Memorial RC members; and 5 pts per QSO w/W7YU/MJM. Multiplier is the total of different prefixes worked x2. Final score is QSO points × multipliers. Awards. Send logs by Jan 31 to: Lion Rad Handfield-Jones, ZS6RAD, Lions Club of Midrand, PO Box 1584, Halfway House 1685, South Africa; <http://sarl.org.za/public/contests/lionita.htm>

WEEKEND OF JANUARY 22 – 24

ARRL January VHF Sweepstakes

(See your December *QST*, page 101) Work as many amateur stations in as many different grid squares as possible using authorized frequencies above 50 MHz. Foreign stations work W/VE amateurs only. Begins 1900 UTC Saturday, ends 0400 UTC Monday January 22-24, 2000. Exchange grid-square locator, exchange of signal report is optional. Count one point for each complete 50 or 144MHz QSO. Count two points for each 222 or 432 MHz QSO. Count four points for each 902 or 1296 MHz QSO. Count eight points for each 2.3 GHz (or higher) QSO. Multiplier: The total number of different grid squares worked per band. Each 2&215; x 1&215; grid square counts as one multiplier on each band it is worked. Final score: Multiply the total number of QSO points from all bands operated by the total number of multipliers for final score. Electronic submissions may be emailed to JanuaryVHF@arrl.org and hand written paper logs or diskettes mailed to January VHF, ARRL, 225 Main St, Newington, CT 06111. Entries must be emailed or postmarked no later than February 23, 2000. For more information contact n1nd@arrl.org, or 860-594-0232.

WEEKEND OF JANUARY 28 – 30**CQ WW 160-Meter DX Contest, CW**

Sponsored by *CQ Magazine*. 2200Z Jan 28 until 1600Z Jan 30 (phone is 2200Z Feb 25 until 1600Z Feb 27). Single op and multi-single. Single ops can be QRP (<5 W), low power (<150 W), or high power (>150 W). Use of spotting nets or Packet Cluster makes you a MultiOp. Exchange RS(T) and state/province/DXCC country. Score 2 pts per QSO w/own country; 5 pts per QSO w/countries on same continent; and 10 pts per QSO w/different continents. Maritime mobiles count 5 pts per QSO, but do not count as multipliers. Multipliers are US States (48), Canadian call areas (13), and DXCC countries. KH6/KL7 are considered DX. US and VE do not count as countries. Final score is QSO points x multipliers. Awards. Electronic entries accepted. Club competition. Send logs by Feb 28 (Mar 31 for phone) to: David L. Thompson, K4JRB, 4166 Mill Stone Court, Norcross, GA 30092; cq160@contesting.com; <http://www.cq-amateur-radio.com/160rules99.html>

REF French Contest, CW

Sponsored by Réseau des Emetteurs Français. 0600Z Jan 29 until 1800Z Jan 30 (phone is 0600Z Feb 26 until 1800Z Feb 27). Work French, French military, French overseas, Territorial and Department stations. Single op all band/single band, and multi-single. 80, 40, 20, 15, and 10 Meters. Exchange RS(T) and QSO serial number; French stations give RS(T) and department number or prefix (territories and overseas department stations). Score 1 pt per QSO w/stations in the same continent, 3 pts per QSO w/stations in different continents. Multipliers are French Departments, French Territory and Overseas stations and F6REF worked per band. Final score is QSO pts x multipliers. Awards. Send logs by Mar 15 (Apr 15 for CW) to: Réseau des Emetteurs Français, REF Contest, BP 7429, 37074 Tours Cedex, France.

UBA Contest, PHONE

Sponsored by Unie van de Belgische Amateurzenders and the EC Commission for Communication, Information and Culture. 1300Z Jan 29 until 1300Z Jan 30 (CW is 1300Z Feb 26 until 1300Z Feb 27). 80, 40, 20, 15, 10 Meters only. Single op single band, all-band QRP or multi-single. Packet Cluster use by single ops allowed. All stations must remain on a band for 10 minutes. Exchange RS(T) and QSO serial number. Score 10 pts per QSO with Belgian stations, 3 pts per QSO with other EC member stations, and 1 pt per QSO with stations outside the EC. Multipliers are Belgian provinces, Belgian prefixes, and EC-member DXCC countries. Final score is QSO pts x multipliers worked per band. Awards. Electronic entries accepted. Send logs postmarked within 30 days to: UBA HF Manager, Carine Ramon, ON7LX, Bruggesteeweg 77, B-8755 Ruiselede, Belgium; <http://www.uba.be/>.

YL International QSO Party, CW

Sponsored by YL International SSB'ers Inc. 0000Z Jan 29 to 2359Z Jan 30 (SSB 0000Z Feb 26 2359Z Feb 27). Use general CW bands. Open to all with emphasis on member-to-member contacts. Exchange report, state, country, name and YLISB number. All logs must be received by March 31, 1999. Send SASE for entry and summary forms and address questions, comments, entries to N4ZGH/N4KNF, The Livingstons, 2160 Ivy St, Port Charlotte, FL 33952; hamsrus@afcon.net

Kansas QSO Party, All Modes

1800 UTC Saturday January 29 to 1800 UTC Sunday January 30. All amateur bands except 30, 17 & 12 Meters. Single op, multiop. HF, VHF+ or combined. Kansas stations exchange RST and County on HF, or Grid Square on VHF. Non-Kansas stations exchange RST and State or Country on HF, RST and grid square on VHF. Count HF 1 point for SSB; 2 points for CW; 3 points for RTTY, SSTV, or other digital HF mode. Multiply total points by different states worked (max 48) multiplied by different DX countries worked (DXCC list). VHF+ 1 point per contact on 2 meters, 2 points per contact on 6 meters or 220 MHz. Three points per contact on 440 MHz. Five points per contact above 1 GHz or any contact in the VHF or UHF bands using ATV, digital (including packet) or moon-bounce. Multiply total points by number of different grid squares worked. Add HF score to VHF+ score for High Overall Score. Add 1000 bonus points for contact with KØS on each band. Awards. Send logs no later than March 1 to: Kansas QSO Party, c/o Rick Carver, WAØKS, 13425 West 56th Terrace, Shawnee, KS 66216; <http://www.geocities.com/CapeCanaveral/Hall/7380/contest.html>

FEBRUARY CONTEST PREVIEW
(Courtesy of Bruce Horn, WA7BNM)**Minnesota QSO Party:**

1400Z - 2400Z, Feb 5

North American Sprint, Phone:

0000Z - 0400Z, Feb 6

New Hampshire QSO Party:

0000Z, Feb 5 - 2400Z, Feb 6

Vermont QSO Party:

0000Z, Feb 5 - 2400Z, Feb 6

10-10 International Winter Contest, SSB:

0001Z, Feb 5 - 2400Z, Feb 6

Delaware QSO Party:

1700Z, Feb 5 - 0500Z, Feb 6

and 1300Z, Feb 6 - 0100Z, Feb 7

YL-OM Contest, CW:

1400Z, Feb 5 - 0200Z, Feb 7

Asia-Pacific Sprint, CW:

1100Z - 1300Z, Feb 12

RSGB 1.8 MHz Contest, CW:

2100Z, Feb 12 - 0100Z, Feb 13

North American Sprint, CW:

0000Z - 0400Z, Feb 13

CQ/RJ WW RTTY WPX Contest:

0000Z, Feb 12 - 2400Z, Feb 13

FISTS Novice Roundup:

0000Z, Feb 12 - 2400Z, Feb 13

Dutch PACC Contest:
1200Z, Feb 12 - 1200Z, Feb 13
YL-OM Contest, SSB:
1400Z, Feb 12 - 0200Z, Feb 14
ARRL School Roundup:
1300Z, Feb 14 - 0100Z, Feb 19
ARRL International DX Contest, CW:
0000Z, Feb 19 - 2400Z, Feb 20
North Carolina QSO Party:
1200Z - 2359Z, Feb 26
and 1200Z - 2359Z, Feb 27
REF Contest, SSB:
0600Z, Feb 26 - 1800Z, Feb 27
UBA Contest, CW:
1300Z, Feb 26 - 1300Z, Feb 27
RSGB 7 MHz DX Contest, CW:
1500Z, Feb 26 - 0900Z, Feb 27
High Speed Club CW Contest:
0900Z - 1100Z, Feb 27
and 1500Z - 1700Z, Feb 27
CQ 160-Meter Contest, SSB:
2200Z, Feb 25 - 1600Z, Feb 27

See "General Rules for All ARRL Contests," page 101, and "General Rules for ARRL Contests on bands below 30 MHz," page 103, in the November 1999 QST for ARRL-Sponsored Contests.

Doctor DX:

Dear Doctor DX:

Is it true that excessive consumption of holiday food and beverage can cause temporary deafness?

Signed: Vegetarian OM

Dear Vege:

Say Again?

Dear Doctor DX:

Is it true that Santa Claus had an APRS rig tucked away in his sleigh and navigated

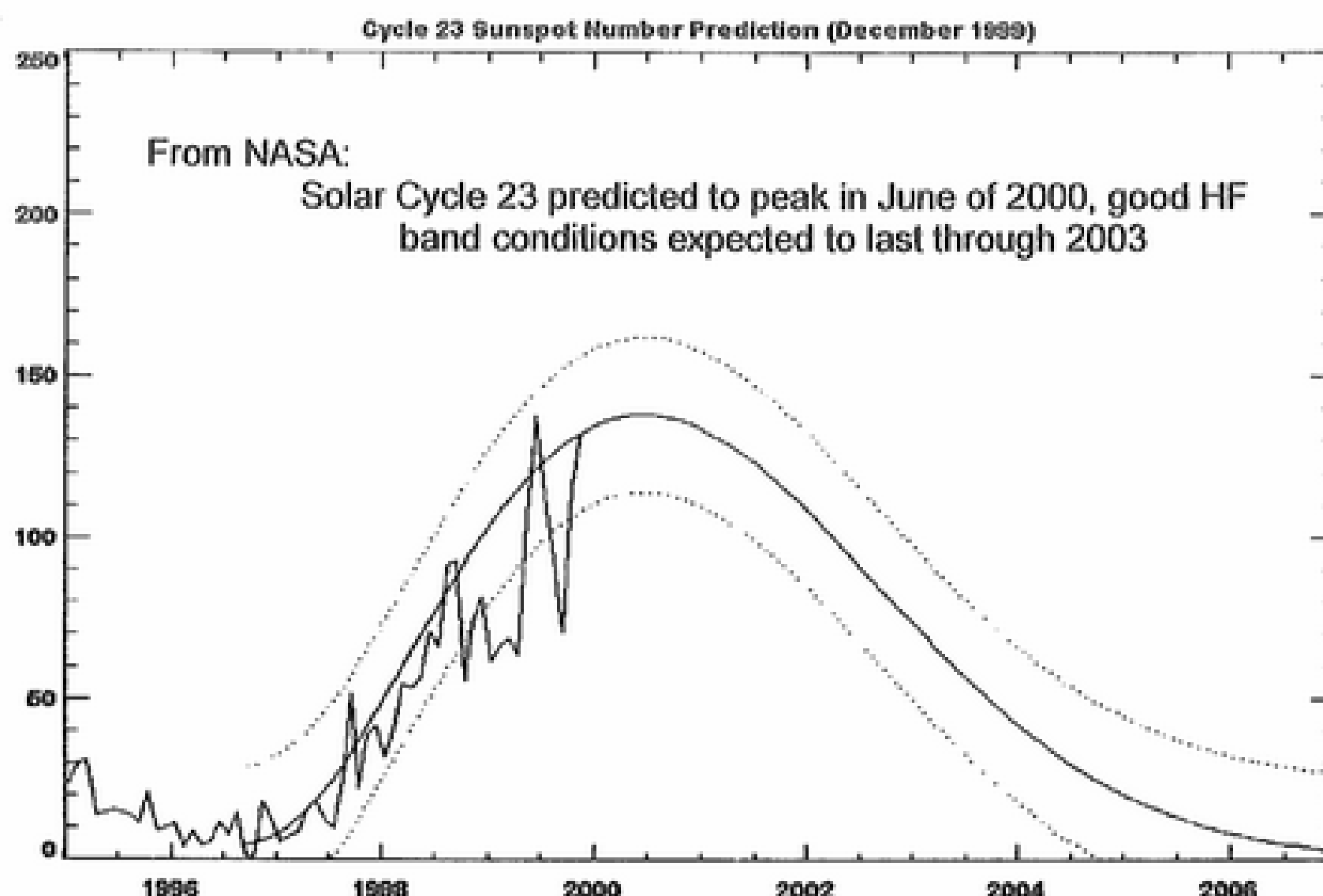
the world "Reindeer Mobile"?

Signed: Curt Ographer

Dear Longi-Dude:

There is absolutely no truth to the rumor Santa was QRM'ed near Doctor DX and dumped the whole sleigh full of toys...

PS: If you need any Pokemon stuff, I have tons of it in the yard... Cheap!



* Our January 1900 C&E Special from your friends at FUBAR ShaZamaHamaTronics of Broken Arrow *

IF YOU'VE BEEN MEANING TO UPGRADE YOUR LICENSE SINCE 1899...

DO IT THE EASY WAY WITH UPGRADE HAIR DRESSING !!!

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As Cletus B. Liddley, A5LID of Bokchito, OK says: "I put some on a hamburger last week and it gave me gas... AT 35 WPM !"

CALL 1-900-I-AM-A-LID TO ORDER YOURS TODAY !!!

Be Sure to mention you saw it in the Collector & Emitter - Visit us on the Web at <http://www.subgenius.com>

Want to become a member of the OKDXA? Contact Jerry Chouinard, K5YAA, 7477 Heather Dr. Claremore, OK 74017

Have some DX News? Contact Nelson Derks, KC5QVV, 13410 South 128th East Ave. Broken Arrow, OK 74011

E-Mail to: k5yaa@aol.com or kc5qvv@gte.net - Visit the OKDXA Web Page <http://www.ponccity.net/n5og/okdxa>

OKDXA NET ⇒ EVERY MONDAY EVENING AT 6:30PM ⇐ 3860 kHz +QRM

Best Wishes for a Happy, Healthy and DX'cellent NEW YEAR 2000 from

THE OKLAHOMA DX ASSOCIATION

Amateur Radio Newsline

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FCC to ARRL: No expansion of PRB-1

If you live in a condominium or other housing with deed restrictions, you will not be getting any assistance from the FCC that will let you put an antenna on the roof. This as the regulatory agency turns down a bid from the American Radio Relay League to expand the scope of federal preemption over Amateur Radio operations. Newsline's David Black, KB4KCH, has the details from our South East bureau:

The FCC hands the ARRL a setback. The League had wanted the Commission to strengthen PRB-1. That's the federal preemption over state and local ordinances which restricts amateur radio towers.

The League wanted the FCC to in effect declare any restrictions limiting amateur radio antennas to heights below 70 feet as Unreasonable. The only exceptions would have been if the state or local authority could show that the restrictions were necessary for health, safety or aesthetic reasons.

But the Commission says NO to the League's request, saying its existing policy with PRB-1 is sound. And, the agency says, it would be neither prudent nor appropriate to set a height standard for amateur radio antennas and towers. The FCC also says it does not want to impose specific rules that local governments must include in zoning ordinances.

The League had also asked the FCC to clarify that local governments should accommodate ham antennas, rather than balance local interests against federal interests involving effective public service amateur radio communications. And, ARRL wanted the Commission to preempt what it called overly burdensome conditions and high costs that localities might require involving amateur radio antenna installations.

The Commission says its previously set standards have worked relatively well. From Birmingham, Alabama, David Black, KB4KCH, for Newsline.

The ARRL Executive Committee was scheduled to review this FCC order at its December 4th meeting to determine what further action is appropriate. That meeting should be taking place about the time that this newscast goes to air.

(From ARRL Bulletin)

The numbers are in

Over one sixth of all United States ham radio operators reside in a single state. According to the latest statistics published by Fred Maia in this W5YI Report, California now plays host 103,365 of the nation's 676,737 licensed radio amateurs.

But that's not all. California is also the home of the largest concentration of code-free Technician class hams to be found anywhere in the continental United States or its possessions. That number is 37,157 with another 20,172 holding the 5 word per minute Technician Plus ticket.

And would you believe that California also has a larger number of Novice class operators than it has Extra class? The number of Novices stands at 10,019 while the Extra class is only 8,826. 13,649 Advanced class operators round out the states total.

Not surprisingly, the place with the second largest ham radio population is Texas. Some 40,915 people hold licenses in the Lone Star State. And again the most popular license is the code free Technician class with 12,391 holders of that ticket. That's followed by 7790 Technician Plus holders, 6,960 Advanced class, 6,581 Generals, 4,994 Extra's and 2,199 Novice licensees.

Third place goes to Florida with its 39,941 hams, followed by New York with 32,820 license holders and Ohio with 30,063. The lowest ham radio population in the 48 contiguous states turns out to be Delaware with only 1,389 but even that's quite a bit compared with the District of Columbia. There only 414 citizens hold licenses of which 101 are General class.

The smallest ham population in a United States administered territory is the U.S.

Virgin Islands with a ham radio population of 301. And for those of you wondering about the far North-West, the state of Alaska is holding its own with 3,169 hams.

(W5YI Report)

Alaska rescue

And from Alaska, word that three fishermen are alive in part do to ham radio. According to news reports, a Coast Guard helicopter plucked two brothers and another person from the Gulf of Alaska after their boat sank.

The Coast Guard got its first report of the incident from an unidentified ham radio operator. Soon afterward, the distress beacon from the fifty two foot vessel was picked up by the Coast Guard stations at Juneau and Sitka.

About 90 minutes later, a helicopter found the three fishermen in the icy water. All were wearing survival suits but were suffering from mild hypothermia. By that time their vessel had sunk in twenty five foot high seas in a fishing area about 70 miles southeast of Yakutat. This is a region known for its fierce winter storms. No other information was given regarding the part played by

Amateur Radio in this rescue at sea.

(Published news report)

Another wide signal warning issued

For the second time in as many weeks, the FCC has told a ham that he is transmitting an excessively wide signal. In a November 2nd letter to Charles Schwartzbard, AF2Y, of Clifton, New Jersey, the FCC says its monitoring information indicates that he has apparently been operating his station in a manner that causes it to emit an unusually wide signal, one that is over-power, or both.

Specifically, the FCC alleges that instances of these violations occurred on November 17 and 18th in the frequency range of 14.315 to 14.318 MHz. The Commission also says that its Information further indicates that Schwartzbard ignored requests from other licensees operating on adjacent frequencies to correct his transmitter emissions in accordance with good Amateur practice.

The Commission has directed Schwartzbard to answer, in detail, several technical questions pertaining to the way he operates his Amateur station. AF2Y was also cautioned that airing personal conflicts with other licensees on the Amateur bands, or slander or deliberate interference to other licensees will result in the loss of Schwartzbard's Amateur license.
(FCC)

Hollingsworth to speak in Dayton

The Dayton Amateur Radio Association has announced that the nation's top ham radio rules enforcer will be the featured speaker at Hamvention 2000. According to DARA, FCC Special Counsel for Amateur Radio Enforcement Riley Hollingsworth, K4ZDH, has accepted an invitation to keynote the combined 2000 Dayton Hamvention and ARRL National Convention Grand Awards Banquet next May 20th.
(DARA)

Virginia man indicted for operating an unlicensed FM station

A Virginia man has been indicted for running an unlicensed broadcast station. According to Bob Gonsett's CGC Communicator newsletter, The FCC Enforcement Bureau announced that on November 16, a grand jury serving the U.S. District Court in Richmond had indicted Khalid Kubweza, on four counts of operation of an unlicensed FM broadcast. Kubweza is accused of transmitting on 91.7 MHz from his Richmond home.
(CGC Communicator, FCC)

RMARC Repeaters temporarily down

If you are traveling into the North-East, some repeaters that you may rely on will not be there for a while. This with word that the Ramapo Mountain Amateur Radio Club's repeaters on 146.49 and 446.175 MHz and the club's APRS digipeater on 144.39 MHz, are temporarily off the air.

According to Joseph Jack, WB2WAB, the machines were turned off on November 15th for maintenance and repair. No date has been announced for when they will be returned to service, but full operation will resume as soon as possible. The packet

digipeater on 145.01 MHz is not affected and will remain in operation.
(Hudson Loop)

The low cost Ham Aid Box

Repeater owners and trustees might want to take note of a very intriguing article by Bob Bruninga, WB4APR that appears in the Fall 1999 issue of Amateur Television Quarterly magazine. It's called the Ham Aid Box and Bruninga says that it's a way to distribute text messages using an off the shelf piece of consumer electronic gear.

According to WB4APR, the caller ID units that many of us have in our homes use the same 1200 baud ASCII and Bell 202 standards as used on packet radio. He goes on to say that a caller ID unit hooked to the speaker of a mobile or base ham radio station can display up to four lines of text messaging. Since all caller ID units have memories, multiple messages can be stored.

The text message would have been generated by any ASCII capable TNC connected to the repeater. Bruninga says that this could make it possible to implement a universal and low cost amateur radio text distribution system, almost overnight.

(WB4APR Internet Posting)

Repeater sites: What hams are doing

A few weeks ago we told you of the problem of retaining sites for ham radio repeaters in light of consolidations in the tower management business. As more and more radio sites come under the management of a small number of mega-corporations, free or low price radio sites for hams are quickly disappearing. And there have been reports of the mega owners doing all within their power to keep experimenters like hams off hilltops and roofs that they share with other site administrators. As a result some ham radio repeater operators have taken the extreme alternative of buying property and putting up their own sites. In part two of our series on the repeater site crunch, Newsline producer Bill Pasternak had the chance to chat with a ham who has done just that:

I first met Frosty Oden, N6ENV, almost two decades ago. Along with Roy Neal, K6DUE, Frosty and I were the people who

brought you the video about Owen Garriott's first ever ham radio mission into space, Amateur Radio's Newest Frontier. By that time, Frosty had his first repeater on the air and he has been involved in VHF and UHF relay communications ever since. But unlike most other ham radio system owners, Frosty Oden is also the owner of the site that hosts his systems. We asked him why he decided to make such a large investment for a hobby:

"When you are a tenant in somebodies building. First of all they feel like you are bending over backward to give you a lower rent. Second of all they are always in fear that you will bring an entourage up there and expose their expensive clients and radio equipment to some sort of a problem, lets say. And third of all, they seem to feel as though amateurs are, don't have the technological knowledge of exactly of how to keep from interfering anybody else. They kind of let you in with a sort of freighted look on their face." Frosty Oden, N6ENV

Oden says that these were among the reasons that he decided to cut through the red tape and invest in a mountaintop home for his repeaters. He also realizes that not every ham can afford the luxury of site ownership. His advice: Take a lesson from the professional two-way people and consolidate:

"If a group of Amateurs who want to put a repeater up get together with other Amateurs and try to pool their forces. Whether it's, oh I have a pole climber in my club, and I've got a technocrat who knows how to work on that, and Joe's club has a guy who has control of a sight, and somebody who knows how to build a simple cinder block building. If they join forces, I think that is the only way to conquer the problem.

Also I think those who do own sites like I do should try to open up, or at least make known that we do have vault space for the Amateurs." Oden

We asked Oden what he sees for ham repeater owners in the future. He admits that he is far from optimistic:

"The big problem is that it is going to get much worse as spectrum opens up and as people own repeater spectrum for x amount of dollars. Rack space just like frequencies are going to become very

expensive and very scarce. And the Amateur is just going to be squeezed out slowly, but surely.

They really look at us sometimes as kind of a joke. The only times they take us seriously is when, you know the next earthquake or tornado or hurricane happens. And then they go, Well gee, how many of you guys can we get out in the field?

But if we don't have effective repeater systems, I'm afraid that a lot of our communications are going to be out of luck." Oden

Oden says that the best way for hams to survive the coming repeater site crunch is begin pooling our resources and learning to share.

For Newsline, I'm Bill Pasternak, WA6ITF.

Unfortunately, more and more hams are now finding that the same mega-managers that evicted them from where they had been are also filing in opposition to building permits and even challenging land sales. They don't want hams near their sites for fear of interference from Amateur Station equipment and the possibility that some ham radio clubs might decide to rent their excess space to commercial customers. We will deal with this part of the story in a future Newsline report.

(Newsline)

Solar Maximum could zap power grids

Communications satellites and power grids could be disrupted for the next three years because of intense solar activity associated with the upcoming Solar Maximum. Newsline's Bill Burnett, KT4SB, reports from Miami:

According to a report on the program This Week in Amateur Radio that in turn quotes other published news reports, starting in the year 2000, space storms, radiation showers and their affects on power grids are all expected during the upcoming maximum, which is expected to last about three years. And, according to administrators at the National Oceanographic and Atmospheric Administration, the United States is

especially vulnerable because of its increasing dependence on satellites.

National Oceanographic and Atmospheric Administration officials say that these storms act to alter the Earth's magnetic field. Because of this, they may send strong enough electrical impulses that could overwhelm vulnerable power grids.

One of the strongest impacts occurred during the last solar cycle in 1989. That's when the entire Province of Quebec in Canada went dark because a geomagnetic storm caused a power grid overload.

To prepare for the possibility of a more widespread problem, NOAA scientists are using state-of-the-art scales designed to depict the severity and impact of upcoming solar storms on public safety and vital services.

And while amateur radio operators await the solar maximum hoping for improved conditions on all High Frequency and VHF band conditions, others are at work in another important area. They are getting their emergency communications equipment and back up power systems ready, just in case.

From Miami, I'm Bill Burnett, KT4SB, reporting for Newsline.

By the way -- a quick note concerning the This Week in Amateur Radio program. Word that it is moving to a new C-Band domestic satellite effective as of Saturday, December 4th. Look for the program on TVRO Net on GE Americom Spacenet 4, transponder 16 Horizontal. The program audio will be on the satellites 5.8 MHz wideband analog subcarrier.

(TWIAR, NOAA)

Ariane 5 launch date announced

Another kind of satellite news, Arianespace has now scheduled the first commercial launch of its new Ariane 5 heavy lifter for December 10th. According to a report from the AMSAT News Service, this Ariane flight will carry a European Space Agency scientific satellite to orbit. W8GUS says that the rocket has been moved to the launch location and a rehearsal has been completed.

(ANS, W8GUS)

SUNSAT Award

There is a new worldwide ham radio award for using a satellite that is already in orbit. Jeramy Boot, G4NJH, reports from Nottingham in the U.K.

Southern Africa AMSAT has introduced an operating award for stations who have made contact through the SUNSAT Satellite.

There are three award categories, Bronze for 25 contacts with individual stations via the satellite, Silver for 50 contacts, & Gold for 100 contacts.

To claim the award applicants must submit a copy of their log verified by the chairman of the local amateur radio club or two amateurs.

For further details write:

Southern Africa AMSAT
P.O.Box 1842
Hillcrest, 3650
South Africa

Jeramy Boot, G4NJH.
(G4NJH, S. AFRICA AMSAT)

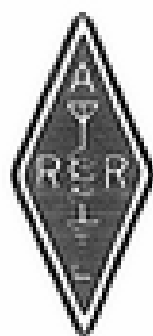
First Irish ATV Repeater

The Republic of Ireland has its very first fast scan amateur television repeater and a sightless ham is responsible for making it happen. Roy Neal, K6DUE, has more:

The Cork Amateur Television Group has been granted the first Fast Scan TV repeater license in the Republic of Ireland. The callsign of the new TV Repeater is EI2TVR and it operates in the 23cm band.

What is unique about this project is that it was put together and set up by a blind operator, Aedan O'Meara, EI3EG. It was only in the last year that Aedan became interested in this mode and set about getting all the necessary information both from Ireland and the U.K. The transmitter was designed by the West Sussex ATV group. The frequencies in use are 1250 MHz for the input and 1293 MHz for the output. The repeater is presently located on Spur Hill in Cork, which also houses the Cork 70 cm voice repeater.

Roy Neal, K6DUE.



A. R. R. L. Bulletins

From: ARRL Headquarters
Newington, CT
To: All radio

ARRL Bulletin 95
December 17, 1999

New section managers take office January 1
Three new ARRL section managers will take office at the start of the new year.

In East Bay, Andy Oppel, KF6RCO, of Alameda, California, has been appointed to replace Bob Vallio, W6RGG. Vallio was elected in November as Vice Director of the Pacific Division but may not hold both offices. His resignation as SM is effective January 1, 2000.

In Western New York, Scott Bauer, W2LC, has been appointed to fill out the remaining term of veteran SM Bill Thompson, W2MTA, who retires January 1 after many years of service. Thompson will remain active in the National Traffic System.

In Alaska, Kent Petty, KL5T, of Anchorage recently defeated incumbent David Stevens, KL7EB, to become the new SM there.

Incumbent section managers in eight other ARRL sections also begin new terms on January 1.

ARRL Bulletin 94
December 10, 1999

ARRL to Seek Partial FCC Reconsideration Of PRB-1 Petition Denial

The ARRL will ask the FCC to partially reconsider its dismissal of RM-8763, the League's 1996 petition that sought to strengthen and clarify the limited federal preemption policy governing Amateur Radio antennas known as PRB-1. The League also will fund a Florida antenna case with PRB-1 implications.

In its petition, the ARRL wanted the FCC to prevent states and localities from enacting provisions that frustrate the intent of PRB-1 or make it costly to apply for permission to erect an amateur antenna. The FCC dismissed the petition in its entirety November 19 and indicated it was unwilling

to go beyond what is already spelled out in PRB-1. "We continue to believe that the standards the Commission set, that is 'reasonable accommodation' and 'minimum practicable regulation', have worked relatively well," the FCC said.

The League will ask the FCC to reconsider two important aspects of the original petition. Meeting December 4 in Texas, the ARRL Executive Committee voted to seek reconsideration of the FCC Order regarding the application of PRB-1 to restrictive covenants and to excessive costs that localities might levy or require in order to install an antenna structure.

In its dismissal, the FCC pointed out that PRB-1 excludes restrictive covenants in private contracts as "outside the reach of our limited preemption." The Commission added, however, that it "strongly encourages associations of homeowners and private contracting parties to follow the principle of reasonable accommodation" with respect to Amateur Radio.

In addressing zoning laws and application costs, the FCC dismissal Order asserted that the PRB-1 principles of "reasonable accommodation" and "minimum practicable regulation" already provide sufficient guidance to communities. Local zoning ordinances should be written so as to "not impinge on the needs of amateur operators to engage in amateur communications," the FCC said.

In a related action, the Executive Committee agreed to have the League fund an appeal in a Florida Amateur Radio tower case. Lenard Persin, WB4HZQ, had applied to Seminole County for a special exception to a 35-foot tower height limit to build an 80-foot tower on his nearly one-acre lot. Denied by the County, Persin appealed in federal court, and the ARRL filed a "friend of the court" brief in the case. On November 2, a US District Court in Florida ruled for the County, saying it had "properly balanced Mr. Persin's interests with the needs of the community."

In its Order two weeks later dismissing RM-8763, however, the FCC had declared that, given the express language of PRB-1, "it is clear that a 'balancing of interests' approach is not appropriate."

ARRL President Rod Stafford, W6ROD, has appointed a committee to study how the ARRL provides support for antenna cases.

ARRL Bulletin 93
December 3, 1999

FCC intervenes in power line noise complaints

The FCC has contacted a West Coast power company to remind the utility of its obligation to fix equipment problems that cause harmful radio interference. The case involved longstanding complaints by several northern California amateurs to Pacific Gas & Electric Company regarding severe power line noise on the ham bands.

On November 22, the FCC's Consumer Center wrote PG & E Senior VP James K. Randolph, requesting the company to correct the problem "within a reasonable time."

Special Counsel for Amateur Radio Enforcement Riley Hollingsworth said the situation involved "a long history of non-response" by PG & E. He said the hams involved have "shown a lot of patience."

The FCC letter points out that the FCC encourages parties to resolve such problems "without FCC intervention" but says the FCC will step in when necessary.

The Commission's letter said: "The FCC has the responsibility to require that utility companies rectify such problems within a reasonable time if the interference is caused by faulty power utility equipment."

Under FCC Part 15, utilities and others that fall under its provisions are obliged to not cause harmful interference to licensed services and to cease operating a device that's causing harmful interference upon FCC notification. The FCC said its letter was intended as a reminder that the unresolved interference problem "may be a violation of FCC rules and could result in a monetary forfeiture for each occurrence."

Hollingsworth and ARRL Lab Supervisor, Ed Hare, W1RFI advise that, before contacting the FCC to intervene as it did with the PG & E situation, affected amateurs first should attempt to work patiently with the utility and should contact the League for assistance.

The ARRL Technical Information Service has prepared a Web page, "RFI—Electrical and Power Line," at <http://www.arrl.org/tis/info/rfi-elec.html>. Amateurs suffering from interference believed to be emanating from power generation or transmission facilities also may contact Ed Hare, W1RFI, 860-594-0318; rfi@arrl.org.

Up Coming Events

January 29 TH Springfield Missouri 1st Annual Winter Fest 2000 Amateur Radio Hamfest/ Computer/ Electronics Show 8:00 a.m. - 3:00 p.m. At the Teamsters Hall Building - 1850 E. Division, Springfield, Mo. Talk - In 145.490 First Come - First Serve on Tables for Rent For More Information Call: Michael A. Blake - N0NQW 417-742-3955 (E-MAIL) mikewfpd@worldnet.att.net

Tulsa, OK ARRL West Gulf Division Convention NEW LOCATION - Riverside Airport Campus Tulsa Tech 801 E 91st St, Tulsa OK Talk-in on 145.11 - 600 or 443.850 + 5MHz PL tone: 88.5 Pre-registration CUT-OFF date is March 17th 24 hour HOTLINE (918) 622-2277 - e-mail: megriffin@ionet.net General Info: n5wx@qsl.net

ANNOUNCEMENTS

VE exams on 3rd Monday of each month sponsored by C.O.R.A. @ Salvation Army HQ at NW 50th and N. Penn, Oklahoma City at 6 PM local time. Doors will be locked at 6:30.

VE exams on 3rd Saturday of each month are held at 9:00 a.m. at Southern Temple Baptist Church, 1821 S High, OKC. Talk in on 146.76 MHz. For more information you can contact Audie, AA5GB @ 799-9916.

VE Exams are held on the first Saturday of each month, at the Church of Christ, 811 N. 4th St., Broken Arrow. Starts at 9:30 AM and lasts until everyone is finished. New hams and upgrades are welcome.

VE exams on 2nd Saturday of each month

are held at 10:00 A.M. after the SCARS meeting at the American Red Cross in on Westheimer Airport in Norman. Contact Jim Copeland, NW0K at 329-1681 or e-mail jimhelps@juno.com for more information.

VE exams on 4th Tuesday of even months are held at 6:30 p.m. at the Altus Vo-Tech in Altus, OK. Contact George Mateyo, N1GM for details.

VE exams on the 2nd Sunday of odd numbered months sponsored by the Stillwater ARC at 3:00 P.M. in the OSU Engineering North Building, Room 316. Contact Ken, K5KC (405) 377-7586 for details.

VE exams in Enid are done on odd months starting with the month of January. On the 2nd Saturday at 10:00 AM at the Oklahoma Natural Gas Co located at the corner of HY412 & Garland Rd., across east from Atwoods store. The testing is PREREGISTER ONLY. Contact Dick NJ5S 580- 233-9869

VE exams on the 1st Saturday of each month at 2:30 P.M. in the Vinita City Hall sponsored by Northeast Oklahoma Radio Assn.

VE exams on the 1st Sunday of each month at the American Red Cross 6th and Lincoln for more information.

On the Air

Listings of Nets on local repeaters or sponsored by CORA members:

ARES - Oklahoma County Thursdays @ 8:00 p.m. on 146.22/82.

6 meter check in 52.525 Mhz simplex

Packet check-in on 145.07

SW Oklahoma - Thursday @ 7:00 p.m. on 146.31/91.

North Central Oklahoma meets on the first and third Monday of the month at 7:30pm on the 147.150 rep

Salvation Army - Second Saturday of the month @ 8:00 a.m. on 146.22/82.

HF 3941kHz - AMTOR @ 8:30 a.m. 14.064MHz

OKC Swap-n-Shop - Saturday @ 10:00 a.m. on 146.22/82.

Geritol - Daily @ 8:00 a.m. on 145.41 minus input.

Edmond Info - Monday @ 8:00 p.m. on 147.135/735.

Enid Amateur Radio Club Monday Night Net Monday @ 8:00pm on 147.150MHZ.

QCWA Chp 63 VHF - Thursday @ 7:00 p.m. on 145.41 minus input.

QCWA Chp 63 HF - Sunday @ 8:00 on 3855.0kHz USB.

Wheatstraw - Wednesday @ 9:00 p.m. on 146.01/61.

Purcell - Monday @ 8:00 on 145.19 minus input.

Cimmarron - Tuesday @ 9:00 p.m. on 145.45 minus input.

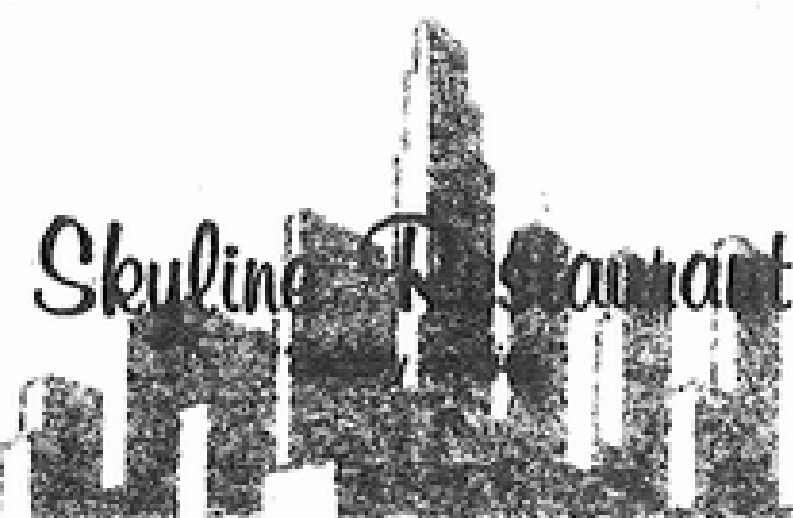
YL Net - Tuesday @ 8:00 p.m. on 147.09 plus

Oklahoma Training Net - Daily @ 0000Z on 3692.5 kHz (CW Net)

Oklahoma Section Net - Daily @ 0030Z on 3692.5 kHz

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January 02 - February 12, 2000

CORA Events

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<i>January 2</i> 2:00 PM Red Cross Ve Exams	<i>January 3</i> 	<i>January 4</i> 7:00 PM LFSARC	<i>January 5</i> 	<i>January 6</i> 7:00 PM Aeronautical Center ARC 7:30 PM Cimmaron ARA	<i>January 7</i> 	<i>January 8</i> 9:30 AM S. Canadian ARS 10:00 AM EARC Ve Exams 10:00 AM SCARS VE Exams 3:00 PM Stillwater VE Exams
<i>January 9</i> 2:30 PM Wheatstraw ARC	<i>January 10</i> 7:00 PM LFSARC VE Exams	<i>January 11</i> 	<i>January 12</i> 11:00 AM OK VHF ARC	<i>January 13</i> 7:00 PM Altus Area ARA 7:00 PM Tri-State ARG	<i>January 14</i> 	<i>January 15</i> 9:00 AM SBC VE Exams
<i>January 16</i> 2:00 PM Edmond ARS	<i>January 17</i> 6:00 PM CORA VE Exams 7:00 PM Broken Arrow ARC 7:00 PM Choctaw ARC	<i>January 18</i> 7:30 PM Oklahoma City APA	<i>January 19</i> 	<i>January 20</i> 	<i>January 21</i> 	<i>January 22</i>
<i>January 23</i> 	<i>January 24</i> 	<i>January 25</i> 7:30 PM CORA Meeting	<i>January 26</i> 	<i>January 27</i> 7:00 PM Enid ARC	<i>January 28</i> 5:00 PM Collector and Emittter Deadline	<i>January 29</i>
<i>January 30</i> 	<i>January 31</i> 6:00 PM Shawnee VE Exams	<i>February 1</i> 7:00 PM LFSARC	<i>February 2</i> 	<i>February 3</i> 7:00 PM Aeronautical Center ARC 7:30 PM Cimmaron ARA	<i>February 4</i> 	<i>February 5</i> 9:30 AM BAARC Ve Exams 10:00 AM Ada ARC 2:30 PM Vinita VE Exams
<i>February 6</i> 2:00 PM Red Cross Ve Exams	<i>February 7</i> 	<i>February 8</i> 	<i>February 9</i> 11:00 AM OK VHF ARC	<i>February 10</i> 7:00 PM Altus Area ARA 7:00 PM Tri-State ARG	<i>February 11</i> 	<i>February 12</i> 9:30 AM S. Canadian ARS 10:00 AM EARC Ve Exams 10:00 AM SCARS VE Exams 3:00 PM Stillwater VE Exams

December 99

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