

# Collector & Emitter

Central Oklahoma Radio  
Amateurs, Inc. Publication

**December 1998**  
Volume 24, Number 12  
Issue 286  
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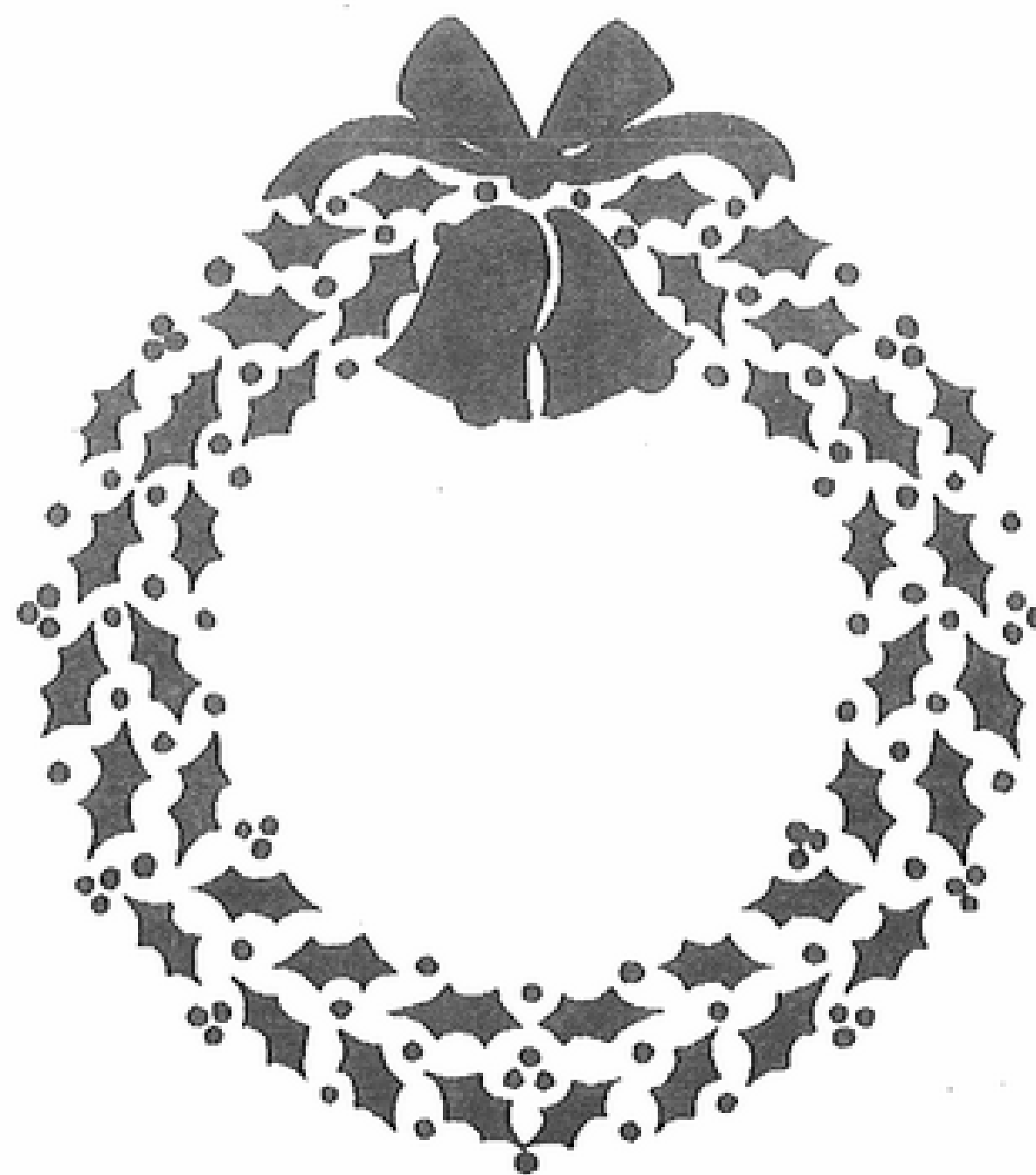
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**Ham Class Offered in Norman**

**The Christmas Gift**  
EARS

**Collector & Emitter**

**Harold C. Miller, KB1ZQ**  
**Editor**  
**Linda G. Miller, N1LPN**  
**Circulation Manager**

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**Amateurs, Inc.**

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PLEASE help us keep your information up to date. What time, where, when, who are your officers, editors, and their phone numbers. Check your entry, it can be changed. If there appears to be a mistake, check with your club officials. We can't do a thing about it if you don't let us know. Below is a sample label:

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The "98/12" means the year/month C&E subscription expires.

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

**December 1998**

**VOL. 24, No 12, Issue 286**

**Collector and Emitter**  
**(USPS 116-150)**

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**Oklahoma City, OK 73143-5942**

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<b>2. Oklahoma Central VHF ARC</b> Meets: 1100L, 2nd Wednesday, Home Town Buffet, 3900 NW 63 <sup>rd</sup> , Oklahoma City Pres.: Charles Greene, WA5JGU 943-5631 VP: Bob Ashby, W5HXL 942-5375 Sec: John Dome, KB5WVE 842-3493 Treas.: Jim Speck, W5AI 842-3055 Editor:	<b>14. Cimmaron Amateur Radio Assn.</b> 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
<b>4. Oklahoma City Autopatch Assn.</b> Meets: 1930L, 3rd Tuesday, Salvation Army Bldg NW 50 <sup>th</sup> and Penn, OKC (Back Door) Pres.: Glynn Massey, N5WNL 631-2731 VP: Kieth Baker, KI5XA 392-5402 Sec: Forrest Rush, N5VWF 842-8486 Treas.: D. C. Macdonald, K2GKK 672-4947 E-mail: <a href="mailto:ocapa@juno.com">ocapa@juno.com</a>	<b>15. South Canadian ARS</b> Meets: 0930L, 2nd Saturday, Red Cross Bldg North OU Campus, Norman Pres.: Dennis McCarthy, KC5EVH 447-2012 VP: Steve Pierce, W5BIV 329-7978 Sec/Tr.: Jeff Wyke, KE5EB 329-6762
<b>6. Altus Area Amateur Radio Assn.</b> Meets: 1900L 2nd Thursday, Southwest Area Vo-Tech Center, 711 W Tamarack Altus, OK Pres.: Ron Hughs, KB5UVC 580-482-7994 VP: Bob Casey, KC5CNC 580-482-7437 Sec: Ron Roman, KC5CYW Treas.: Doc Barker, KM5IO 580-726-3623 Editor: Alan Snider, KD5COH Unlisted	<b>16. Broken Arrow ARC</b> Meets: 1830L, 1st Monday, Broken Arrow Community Center, 1500 S. Main, Broken Arrow, OK Pres.: Jeff Seoville, KC5RTH 918-251-0132 VP: Bruce Burnette, K5PX 918-455-2599 Sec: Joe Horn, KC5VPO 918-451-0028 Tr: Harlan Kinney, K9GDK 918-251-2672 E-mail: <a href="mailto:w5bbs@juno.com">w5bbs@juno.com</a>
<p align="center"><b>Your Club's Information</b></p> <p align="center"><b>Could Be Here.</b></p> <p align="center"><b>Ask About Joining CORA!</b></p>	
<b>8. Choctaw Amateur Radio Club</b> Meets: 1900L 3rd Monday, Eastern Oklahoma Co. Vo Tech, 4601 N. Choctaw Rd, Choctaw, OK Pres.: Duane Angles, KA5WRG 670-6163 VP: Mike McFarland, N5WNT 799-0612 Sec: Treas.: Ron Ernest, WB9DAF 769-3207 Editor:	<b>17. Ada Amateur Radio Club</b> Meets: 0900L, 1st Saturday, Salvation Army Bldg 115 N. Oak St., Ada, OK Pres.: Scott Remes, KD5AJL 436-1369 VP: Dwight Myers, N0RIW 436-4755 Sec: Danny Coffey, KM5LB 436-1271 Tr: Finis Hallmark, KC5YGB 384-5470
<b>9. Wheatstraw Amateur Radio Club</b> Meets: 1430L, 2 <sup>nd</sup> Sunday, Location Varies Pres.: Ray Barnes, AB5Z 580-274-3334 VP: Joel Bennet, KK5XS 580-328-5213 Sec/Tr.: Joe Garland, WA5FLT 580-893-2660 Editor: Ralph Wilder, WA5PFF 580-623-5421	<b>18. Lawton Fort Sill ARC</b> Meets: 1900L 1 <sup>st</sup> Tuesday, Great Plains Area Vo-Tech room 301, Worley Center. Pres.: Terry Oates, KR5IYB 580-492-5743 VP: Mark Ewell, KC5IZN 580-536-2777 Sec/Tr.: Danita Haney, KC5YYU 580-549-6717 E-mail: <a href="mailto:w5ks@rli.net">w5ks@rli.net</a>
<b>10. Oklahoma DX Association</b> Meets: Hamfests and as announced in C&E. Pres.: Bruce Burnette, K5PX 918-455-2599 VP: Lu Fisher, K5YP 580-254-5641 VP: Jerry Chouninard, K5YAA 918-341-2659 Sec/Tr.: Mark Byard, N5OGP 580-762-1966 Editor: Mark Byard, N5OGP 580-762-1966	<b>19. Tri-State Amateur Radio Group</b> Meets: 1930L, 2nd Thursday, Woodward, OK Pres.: Duane Henderson, KC5NID 580-994-2223 VP: Jay Kruckenburg, KB5SOO 580-994-2751 Sec/Tr.: Larry Goodwin Sr. KC5NZC 580-886-2383 E-mail: <a href="mailto:W5OKT@unibuilt.com">W5OKT@unibuilt.com</a>
<p align="center"><b>Central Oklahoma Radio Amateurs</b></p> 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: <a href="mailto:n1lpn@swbell.net">n1lpn@swbell.net</a>	

Deadline for January, 1999 Issue of *Collector and Emitter* is Friday, December 25, 1998. 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](mailto: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.

# Central Oklahoma Radio Amateurs, Inc

Minutes of the CORA meeting for November 24<sup>th</sup>, 1998.

The President of CORA, Hal Miller, KB1ZQ opened the meeting. There were three directors representing three clubs as well as all officers of CORA.

**Secretary's Report** - The minutes for October 31, 1998 were approved.

**Treasurer's Report** - The treasurer's report for October 1998 and November 1998 was approved.

**Presidents Report** - We are applying for the Oklahoma State Convention. As of this date the ARRL Board has selected no site.

The prices for HH26 will remain the same as last year.

Pre-registration: \$7.00

At the Door: \$9.00

If you are renting tables at Ham Holiday 26: Tables w/ electric outlets: \$15.00  
Tables with no electric outlets: \$10.00

**C&E Report** - The C&E is losing about \$100.00 dollars a month. There have been no subscription increases since the early nineties and both postage and printing costs have gone up. The C&E has grown larger as more clubs elect to participate in CORA.

The Board of Directors would like all associate members to think about a price increase from the present .40 cents an issue (\$4.80 a year) to an increase of .50 cents an issue (\$6.00 a year). The C&E would almost break even at that point. Before any increase of the C&E to the clubs happens, a formal notice at least 30 days in advance would be published in the C&E. That vote will occur sometime in 1999.

For Individual Subscribers, the subscription price of the C&E will go from \$7.00 to \$9.00 effective January 1<sup>st</sup>, 1999.

**DX Note** - From the OKDXA: XU1A from Angkor Wat, Cambodia will be on the air from Six meters through 160 meters. Transmissions will be in CW, SSB, and RTTY. They will be on the air from November 26 through December 4<sup>th</sup>, 1998.

**Next meeting** - The next meeting will be at Salvation Army Divisional Headquarters at NW 50<sup>th</sup> & North Penn. The meeting will start at 7:30 PM, January 26, 1999.

**We would like to wish you all a Happy Holiday Season!**

Respectfully Submitted,  
Forrest Rush, N5VWF  
CORA Secretary

## CORA November VE Results

First off, a very joyous holiday greeting to all of you from the CORA VE team. We all hope the holiday season 1998 finds good health and happiness at each of your QTH's. It is a very special time of year and we want good things for all CORA club members and their families. Kindly take the time to reach out and extend the care of the holiday season to each and every person along the path of your day. On behalf of the CORA VE team 1998 please accept our thanks for your support throughout the year and allowing us to play a part in your enjoyment of Amateur Radio.

The month of November was another one of the dual test session months. Sure is fun for the VE team to be called upon to perform testing and see a great quantity of success. On Sunday, November 8th, the team was in Edmond at the Downtown Community Center to provide a session for the EARS licensing class and others. Great group of motivated students anxious to take Amateur Radio exams. Their energy and enthusiasm for Amateur Radio was contagious and was a good tonic for us all. Hats off to the class organizers, instructors, and students: very well done.

On Monday night November 16th, the regularly scheduled CORA VE session was held. As is customary, this session was held on the third Monday night of the month at 6:00 PM at the Salvation Army site, that is near Northwest Expressway and Penn. Ave. Good participation and results from this session as well as the one in Edmond. Congratulations to Sherry Storey, KC5CPJ, for passing the Advanced written exam at this test session and upgrading to Advanced Class. Other individual results from the November test sessions can be read in this month's EARS article in the Collector and Emitter. Be sure and read it so you congratulate the new license holders. Overall results from the combined sessions are as follows:

Number taking tests-15  
Test Elements Taken-38  
Test Elements Passed-24  
Code Elements Taken-9  
Code Elements Passed-3  
Theory Elements Taken- 29  
Theory Elements Passed-21  
Number becoming licensed-10

Warmest congratulations to these individuals for their success. The next round of CORA VE testing will be on Monday, December 21st at the Salvation Army facility at 6:00 PM. Sure hope you and yours can make it to the test session for some upgrading or new licensing. The CORA VE team will be ready to provide testing that evening in a comfortable setting for your success.

73 de John-WB5SYT

## Notice

**Effective January 1, 1999 an Individual Subscription to the Collector and Emitter will go to \$9.00 per year.**

**This does not change the rates clubs pay for their members. This rate change will not impact those individuals currently subscribing to the newsletter.**

## From the President,

Well the bands are open and the contests are really enjoyable to operate. Linda and I participated in both the ARRL Sweepstakes (Phone) and CQWW (Phone). We were able to come close to a sweep; 78 out of 79 sections in the ARRL contest; and over 104 countries in the CQWW. The bands weren't as crowded as I expected, but we had a good time.

On to a more important subject, I would like every club that has the ability to send representatives to the January CORA meeting, weather permitting. At this meeting we will start deliberations on whether we want to raise the subscription price of the *Collector and Emitter* for the clubs, and by how much. The C&E is operating in the red and we regularly have to transfer funds from the Ham Holiday monies to assist in keeping its funds solvent.

We are not going to stop publication of the newsletter, but it should be able to support itself. I as editor will provide the figures from the past 3-4 years on printing, postage, number of issues mailed and other data to justify a cost increase. There has not been an increase in over four years and one is unfortunately due.

I'm proposing that if a rate increase is approved then it take place late this year, after Ham Holiday. Pending this approval everything will remain the same for club memberships / subscriptions.

However, the board did vote to increase the individual subscription rate, this rate is the price a non-club person will pay to receive the newsletter. This rate increase goes into effect January 1, 1999. It only effects new subscriptions after that date.

I will attempt to keep you the associates of CORA informed as to the status of this issue. It is very important that all clubs express their opinion and have a say in the question at hand.

73 and Hope to hear you on the air,

Hal, KB1ZQ  
CORA President

## ARRL OK Section Manager Comments

I often hear comments like, "What are those folks at the ARRL doing to us now?" With the release of the license restructuring proposals by the ARRL, this comment was echoing across the state.

Who are those folks at the ARRL? What most don't understand is that we, the membership, are those folks. Major decisions made by the ARRL are made by a vote of our directors. Each division has a director and a vice-director. If you will think about it, you had the opportunity to cast your vote for those offices in the West Gulf Division recently. These are our representatives at the ARRL board of directors meetings. The Director has a vote at these meetings. The Vice-Director attends but doesn't have a vote. There is a director from each division. There are 15 divisions, so there are a total of 15 votes. The staff at HQ doesn't have a vote. They work for the directors. Yes, that's us!

The director of the West Gulf Division is our voice at the ARRL board meetings. If you have real concerns about things that are being addressed by the board, you should make every effort to get them to our Director. You can do this in many ways. You can contact him/her personally. If you don't feel comfortable with that, you may want to go through the vice-director, one of the assistant directors, or your Section Manager. One of those folks may have a better chance of getting your concerns to the director.

If you think about it, this is much like Congress except for the presidential veto. I'm sure there is some give and take, as well as some bargaining that goes on. However, much like Congress, we don't always like what they come up with. If our director doesn't represent our views, the best we can do is not vote for him/her the next time.

This will be my last installment as the SM. I got my Christmas present early this year. You elected me as your Vice-Director. Here's wishing all of you the very best for Christmas.

## 1998 Darwin Awards

They have finally been released!

For those not familiar with the Darwin Award - It's an annual honor given to the person who did the universal human gene pool the biggest service by getting killed in the most extraordinarily stupid way. As always, competition this year has been keen again. Some candidates appear to have trained their whole lives for this event. The Darwin Awards Nominees:

1. In September in Detroit, a 41-year-old man got stuck and drowned in two feet of water after squeezing head first through an 18-inch wide sewer grate to retrieve his car keys.
2. In October, a 49-year-old San Francisco stockbroker, who "totally zoned when he ran," according to his wife, accidentally jogged off a 200-foot high cliff on his daily run.
3. Buxton, NC: A man died on a beach when an 8-foot-deep hole he had dug into the sand caved in as he sat inside it. Beach goers said Daniel Jones, 21, dug the hole for fun, or protection from the wind, and had been sitting in a beach chair at the bottom Thursday afternoon when it collapsed, burying him beneath 5 feet of sand. People on the beach, on the outer banks, used their hands and shovels, trying to claw their way to Jones, a resident of Woodbridge, VA, but could not reach him. It took rescue workers using heavy equipment almost an hour to free him while about 200 people looked on. Jones was pronounced dead at a hospital.
4. In February, Santiago Alvarado, 24, was killed in Lompoc, CA, as he fell face-first through the ceiling of a bicycle shop he was burglarizing. Death was caused when the long flashlight he had placed in his mouth (to keep his hands free) rammed into the base of his skull as he hit the floor.
5. According to police in Dahlgonega, GA, ROTC cadet Nick Berrena, 20, was stabbed to death in January by fellow cadet Jeffrey Hoffman, 23 who was trying to prove that a knife could not penetrate the flak vest Berrena was wearing.
6. Sylvester Briddell, Jr., 26, was killed in February in Selbyville, Del., as he won a bet with friends who said he would not put a revolver loaded with four bullets into his mouth and pull the trigger.



# Chit Chat

By Linda, NILPN

## What I've learned

I've learned that you cannot make someone love you. All you can do is be someone who can be loved. The rest is up to them.

I've learned that no matter how much I care, some people just don't care back.

I've learned that it takes years to build up trust, and only seconds to destroy it.

I've learned that it's not what you have in your life, but who you have in your life that counts.

I've learned that you can get by on charm for about 15 minutes. After that, you'd better know something.

I've learned that you shouldn't compare yourself to the best others can do, but to the best you can do.

I've learned that it's not what happens to people that's important. It's what they do about it.

I've learned that you can do something in an instant that will give you a heartache for life.

I've learned that no matter how thin you slice it, there are always two sides.

I've learned that it's taking me a long time to become the person I want to be.

I've learned that it's a lot easier to react than it is to think.

I've learned that you should always leave loved ones with loving words. It may be the last time you see them.

I've learned that you can keep going long after you think you can't.

I've learned that we are responsible for what we do, no matter how we feel.

I've learned that either you control your attitude or it controls you.

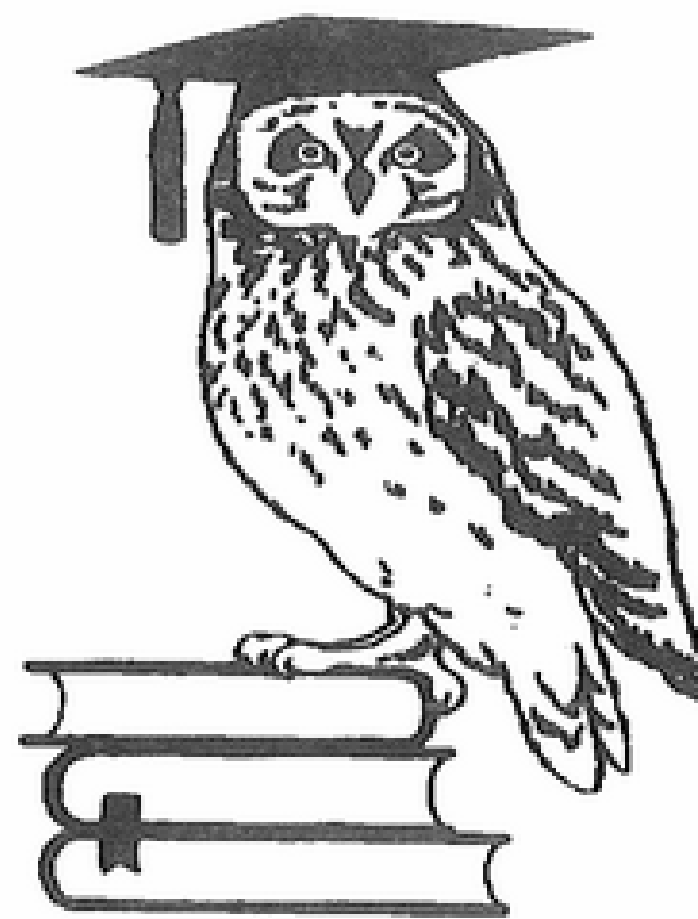
I've learned that regardless of how hot and steamy a relationship is at first, the passion fades and there had better be something else to take its place.

I've learned that heroes are the people who do what has to be done when it needs to be done, regardless of the consequences.

I've learned that learning to forgive takes practice.

I've learned that there are people who love you dearly, but just don't know how to show it.

I've learned that money is a lousy way of keeping score.



I've learned that my best friend and I can do anything or nothing and have the best time.

I've learned that sometimes the people you expect to kick you when you're down may be the ones to help you get back up.

I've learned that I'm getting more and more like my grandma, and I'm kinda happy about it.

I've learned that sometimes when I'm angry I have the right to be angry, but that doesn't give me the right to be cruel.

I've learned that true friendship continues to grow, even over the longest distance. Same goes for true love.

I've learned that just because someone doesn't love you the way you want them to doesn't mean they don't love you with all they have.

I've learned that maturity has more to do with what types of experiences you've had and what you've learned from them and less to do with how many birthdays you've celebrated.

I've learned that you should never tell a child her dreams are unlikely or outlandish. Few things are more humiliating, and what a tragedy it would be if she believed it.

I've learned that your family won't always be there for you.

It may seem funny, but people you aren't related to can take care of you and love you and teach you to trust people again. Families aren't always biological.

I've learned that no matter how good a friend someone is, they're going to hurt you every once in a while and you must forgive them for that.

I've learned that it isn't always enough to be forgiven by others. Sometimes you have to learn to forgive yourself.

I've learned that no matter how bad your heart is broken the world doesn't stop for your grief.

I've learned that our background and circumstances may have influenced who we are, but we are responsible for who we become.

I've learned that sometimes when my friends fight, I'm forced to choose sides even when I don't want to.

I've learned that just because two people argue, it doesn't mean they don't love each other. And just because they don't argue, it doesn't mean they do.

I've learned that sometimes you have to put the individual ahead of their actions.

I've learned that we don't have to change friends if we understand that friends change.

I've learned that if you don't want to forget something, stick it in your underwear drawer.

I've learned that you shouldn't be so eager to find out a secret. It could change your life forever.

I've learned that the clothes I like best are the ones with the most holes in them.

I've learned that two people can look at the exact same thing and see something totally different.

I've learned that no matter how you try to protect your children, they will eventually get hurt and you will hurt in the process.

I've learned that there are many ways of falling and staying in love.

I've learned that no matter the consequences, those who are honest with themselves, get further in life.

I've learned that many things can be powered by the mind, the trick is self-control.

I've learned that no matter how many friends you have, if you are their pillar, you will feel lonely and lost at the times you need them most.

I've learned that your life can be changed in a matter of hours by people who don't even know you.

I've learned that even when you think you have no more to give, when a friend cries out to you, you will find the strength to help.

I've learned that writing, as well as talking, can ease emotional pains.

I've learned that the paradigm we live in is not all that is offered to us.

I've learned that credentials on the wall do not make you a decent human being.

I've learned that the people you care most about in life are taken from you too soon.

I've learned that although the word "love" can have many different meanings, it loses value when overly used.

I've learned that it's hard to determine where to draw the line between being nice and not hurting people's feelings and standing up for what you believe.

I've learned that no matter how fast or how far you go, you can't outrun God.

I've learned that no matter how far away I've been, He'll always welcome me back.

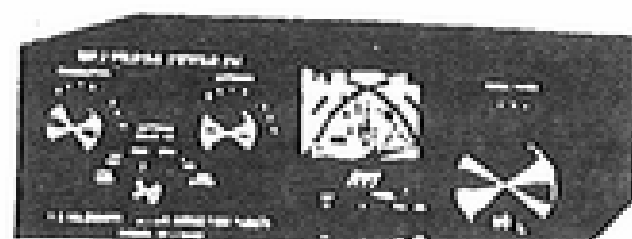
I've learned that love is not for me to keep, but to pass on to the next person I see.

I've learned that even if you do the right thing for the wrong reason, it's still the wrong thing to do.

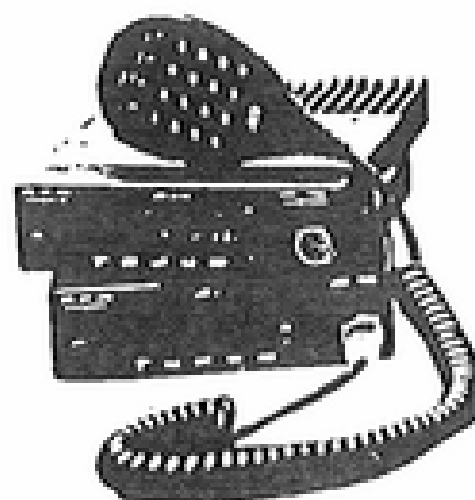
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### ***Episode Three: While Visions of Sugar-Plum QSO's Danced In His Head...***

Xander was entertaining himself at home one long and dark December evening by reading a few scientific research papers and copying the ARRL 45 baud RTTY bulletins by ear. An odd distortion in the received audio caused him to miss a few words. It's not unusual to hear a fade or distortion on HF, but Xander was listening with his highly modified Rohde & Schwarz all mode HF clock radio with spectrum analyzer. This one sounded very strange. Fortunately, the radio had the digital signal storage option that allowed the last ten minutes of received signal to be replayed and analyzed as needed.

Paying close attention to the audio while watching the spectrum display, he heard a rapid flutter that slowed to a brief null, then reversed the sequence until it concluded. We've all seen this on over-the-air TV signals when an airplane flies near our location, but Xander couldn't recall hearing this on HF before. The 80 Meter RTTY sub-band is much too low in frequency for a VHF style signal flutter.

Then again, he mused, it's a matter of scale. An airplane presents a relatively large reflective surface when compared to the short wavelength of a VHF signal. An extremely large aircraft might achieve the same effect at HF, but the likelihood was almost non-existent.

The following morning, Xander was browsing low-level military intelligence updates. A few days earlier one of the DEW radar sites in the far north reported they would be off-line for several hours for an antenna alignment and calibration check. Apparently they had tracked what appeared to be a profoundly large object traveling far too slowly to sustain flight. TechOps recommended a full diagnostic routine since there was no known cause for such readings nor had any of the other

stations observed unusual objects at that time. Xander was intrigued.

He contacted a few select friends who work in the shadows of the scientific intelligence community to ask if they were aware of any connection between the two events. Not at the moment, but they have been working on phenomena that could be related. They suggested it would be helpful if Xander could utilize his subterranean antenna array to monitor magnetic flux density while recording HF propagation anomalies similar to what he had heard on 80 Meters. The night hours would likely be the most productive. Xander decided to pursue this since he was curious about the EMF densities at his site and wanted to do some advanced antenna design work. This would be an exercise useful to both projects.

Measuring magnetic flux density is a trivial matter for Xander as he'd been monitoring signals on the flux for several months. A few modifications to the control software produced readings in close agreement with NOAA and NIST levels. But, finding a reliable reference for sky wave conditions would prove to be more of a challenge. Xander designed a medium wave antenna array consisting of four sets of folded dipoles arrayed in a turnstile pattern cleverly concealed near ground level as a landscaping feature.

Tuned for the low end of 160 and up, the antennas were mounted very close to the ground above a copper screen to produce a high radiation angle. This limited the effects of soil moisture variations while shielding the subterranean magnetic flux array. The HF crossed dipoles generated a pattern resembling an inverted cone that would prove useful in measuring sky wave reflections. Using four receivers with infinitely variable digital delay and time

domain multiplexing capability, Xander discovered the combined receive pattern could be 'steered' in any direction at any beam width. By pulsing the array at QRP levels across the HF spectrum, ionospheric reflections could be measured over an arc of 170-degrees. A subroutine was added to the control software for automated measurement and analysis.

Within the first few hours Xander noticed multiple anomalies in the data. A check of commercial airline schedules revealed a correlation. The array was detecting the slight Doppler shift from aircraft passing within a few miles of his QTH. This suggested good sensitivity, but like most Hams, Xander began thinking of ways to increase the range. A sharper transmit pattern would likely add both range and resolution, especially on smaller objects.

Borrowing a technique from the optical trade, Xander incorporated a series of concentric segmented transmitting loops outside the array much like the concentric rings of a Fresnel lens commonly used in studio lighting equipment. This allowed for effective pattern adjustments, but it also reduced the polarity isolation of the crossed receiving dipoles.

Xander pondered the situation for a moment, then had a Blinding Flash of Inspiration... If the VOX circuit of a transceiver can use an inverted polarity Anti-VOX signal to cancel feedback during receive, could he not use the same technique to cancel out signals from the transmitter? After all, even at the speed of light, there is some time difference between signals reflected from above the array and those traveling within the array. By feeding a tiny amount of signal from the transmitter into a phase inverting splitter, the feed lines were readily adjusted for a near perfect null.

With most of the technical hurdles out of the way, Xander needed to calibrate the array for direction and elevation. A fly-over by an aircraft outfitted with a packet transponder and GPS receiver resulted in a calibrated array remarkably sensitive to airborne objects as small as a single-seat aircraft. Ranges greater than 500 miles were possible with a slight loss of resolution, but the system demonstrated exceptional accuracy at closer ranges.

In a few days, the artificial intelligence routines in the control software had learned how to extend the range by statistical trend analysis of distant objects while the local magnetic flux data proved useful in compensating for propagation variations. Tracking commercial flights improved the accuracy until Xander was able to track almost every aircraft flying in the Western Hemisphere.

The system was performing flawlessly by Christmas Eve. Xander was able to give his full attention to the Jolly Old Elf Net, a Service Net providing HF relay for local clubs working with hospitalized children so they could chat North Pole DX with 'Santa Claus' via Ham Radio...

As Xander relayed many heartwarming QSO's through his station, a minor alarm sounded at the array console. Apparently the subroutine designed to log anomalous flight patterns detected a highly unusual object near the high arctic. Xander passed DTMF control of his station to regional Net Control and took a closer look.

The computers had done a magnificent job of tracking the tiny object. Apparently it was coming in from Europe and flying at high altitude above Newfoundland, but appeared to be moving upward in a circular path. Focusing the receive array for the tightest possible pattern, Xander scanned all frequencies for any RF radiating from the craft. A tiny spike was observed near 3950 kHz and a faint signal detected... This was incredibly unfortunate, as this is one of the most ill mannered frequencies on 75 Meters...

" Mayday... Mayday... This is United Alpha One Sierra Charlie calling any station... Mayday... " was heard faintly through the QRM in Xander's receiver.

Responding to the distress call, Xander asked for a location and discovered it was indeed the object he had been tracking.

" *I'm somewhere above the coast of Newfoundland and gaining altitude... I have lost partial control of my craft and am well above maximum ceiling... Please advise which direction I should fly to escape this weather phenomenon...* "

" Roger, Roger... Replied Xander... Will analyze and advise... Please stand by... "

" *QSL...* " Came the reply... " *And if this is little Dougie Xander, I hope you made good use of that Science Kit you got for Christmas in 1957... UAISC* "

Xander was stunned. Could he have heard that correctly, or was the QRM playing tricks with his ears? If only UAISC knew what horizons that Science Kit had opened... But, how could he have known, and could it be...? There was no time to ponder. Xander had a job to do...

As insults, slurs and epithets poured from the bottom-feeders operating on 3950, Xander analyzed the ionization patterns in the upper atmosphere and determined the Jet Stream had developed a corkscrew vortex above the North Atlantic. UAISC was indeed caught and spiraling upward. The top of this vortex was too high for life to be sustained without sophisticated breathing apparatus. In a few minutes the craft would approach this level, so it was up to Xander to do something... Now.

If the Jet Stream contained a sufficient number of ionized particles to be detected by his tracking array, would it react to a brute-force injection of concentrated RF energy? Running a quick probability analysis, Xander determined a signal of several megawatts at 7355 kHz applied to the base of the vortex might weaken the disturbance enough to release the craft.

With time running out, Xander realized how difficult it would be to deliver that much power to a DX location. But, after applying voltage to the filaments of his ten gallon Continental HF rig, he ran to the lab for his latest version of the Broadband Ultra Linear Loaded Symbiotic Hyper Impedance Trans-conductor

antenna. Fortunately, he had been experimenting with the directional characteristics and, if any antenna could deliver the signal he needed, this would be THE antenna for the job...

A hastily installed run of 3" Helix and a quick adjustment of the antenna beam heading were completed just as the Continental reached operating status. Xander took a deep breath and punched the transmit switch...

" *Break, Break, Break... This is UAISC near the outer atmosphere... With my last breath... Merry Christmas to all and...* "

An explosion covered the audio at the end of the transmission..... then Xander's receiver went silent. Nothing but random QRM was heard for a long, long moment.

" *CQ... CQ... This is United Alpha One Sierra Charlie. Any station, how copy?* "

Xander returned the call immediately...

" *Large air burst approximately 60,000 feet below my position, regaining control, dropping altitude, returning to course, Thank You... Doug... UAISC Clear* "

Xander powered down the station and prepared for a long winter's nap. On Christmas morning he found a large box wrapped in bright red paper near the fireplace. A gold plated Rockwell-Collins RT-2200 receiver / exciter and PA-2244 4kW amp were inside. A small box held a DVD of *Dr. Zhivago*. The note read:

" Thanks for being there...

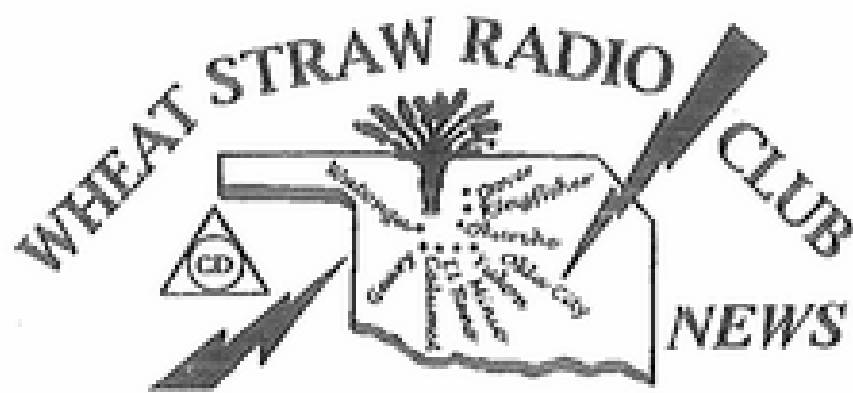
St. Nickolai "

Xander was moved beyond words...

*Dr. Zhivago* is one of his favorite movies.

## The QSO is out there.

Contents Copyright 1998  
by Nelson Derks - KC5QVV  
" Illegitimus Non Carborundum  
Ipso Facto "



## Wheatstraw Amateur Radio Club

The meeting was held at the Christian Church in Dover. The meeting was called to order by the president Ray, AB5Z, with introductions of members and friends. Visitors were Judy and Coy Day, Section Manager of Oklahoma, Leo, WZ5H's granddaughter and great granddaughter for a total 13 members and 4 visitors present.

There were no minutes or financial reports since the Secretary / Treasurer was absent.

There was discussion of the upcoming Christmas Dinner to be in El Reno in the Farm Bureau building on old 66 Highway, across the street from the Legion building. Neal, N5KCO is going to cook the turkey. Ladies are to bring different dishes. Members are to bring their own eating set ups and drinks other than water or coffee.

The president called on Coy, N5OK to give a report on the ARRL proposal and the new license structure to the FCC. Anyone wishing to make a comment should do so by December 1, 1998 by writing or using e-mail to reply.

Motion made by Jim, N5VDY to send a memorial to the Methodist Church of Watonga or Medical Research for Howard, KD5AJS, member of our club. Seconded by Neal, N5KCO. Motion carried.

Meeting adjourned and refreshments were served.

Next meeting host - Christmas Dinner at El Reno. Net control, El Reno with others to help as needed.

Minutes taken by Johnny, K5GBN

### Good eating

#### Apple Nut Hotcakes

1 cup all purpose flour  
1 tablespoon sugar

1 sweet and low equal to 1 tablespoon sugar  
2 teaspoons baking powder  
½ teaspoon salt  
½ teaspoon ground cinnamon  
¾ cup milk  
3 tablespoons butter or margarine, melted  
2 teaspoons vanilla extract  
2 egg whites or use the egg substitute called second nature  
½ cup peeled shredded apple  
½ cup chopped nuts, if desired

#### Make apple syrup

4 teaspoons corn starch  
¼ cup sugar  
¼ teaspoon ground allspice  
1 ½ cups apple juice

In large bowl combine flour, sugar, baking powder, salt, and cinnamon. In another bowl combine milk, butter, and vanilla; mix well. Stir in dry ingredients.

Being diabetics, we omit the nuts and use the egg substitute instead of egg whites. Using Sweet and Low substitute for part of the sugar, one of the small measures equals to one teaspoon of sugar. I believe these hot cakes are the lightest and most tender hot cakes I have ever eaten.

Ralph, WA5PFK

### Quiet Time

About 5 o'clock Friday the 13<sup>th</sup>, I was sitting in my recliner, looking out the door. The wooden door was open. The lawns to the south were a dark green. The shadows were mixed with bright sunshine. There was not a leaf moving on the trees. It was so beautiful; I checked the temperature at 66 degrees. It made me feel like taking a chair out and sit outside again.

When we lived in East Texas among the tall pines that was the way it was except in the summer time, but it seemed to cool off late in the evenings.

The old time homes were built running north and south. There would be a wide hall running north and south in the center of the house. The flooring of the hall was the same level as the rest of the house. On the East Side of the hall were the kitchen and the dinning room. On the West Side of the hall would be the bedrooms.

In the summer, the windows were raised and if there were a breeze it would circulate through the east rooms mostly. In the bedrooms there was no way of heating them. When we went into them, we went to bed. Mother had lots of quilts and comforters to keep us warm. Dad and Mother's bed was on the East Side of the hall by the heating stove.

It seemed every house had a big porch to sit on, some houses had a porch on all sides.

### The Biddle Car

I never heard of a Biddle car until I read an article. It had a picture of one that was owned by Col. Henry Huddleston, Long Island, New York. They were hand made by the Biddle family. There were custom Cabriolet Coupes, a mini-roadster, and a larger more luxurious Model K Biddle roadster. The custom Cabriolet B-1 had a 121 inch wheelbase, and a four cylinder Buda engine with a 3 ¾ x 5 ½ bore and stroke. A Dusenbury engine was also available. These custom cars were made in Philadelphia from 1915 to 1922.

### Billy's Christmas

The day before Christmas Little Billy was in the "dumps".

How could he have fun, sick in bed with the mumps?

Friends and relatives would be sure to stay away.

No one would come to his house to spend the holiday!

"Wait and see", said mother, "a surprise is waiting for you.

See the tree outside your window?

There are children coming, too"

Around the Christmas tree gathered youngsters happily,

Bringing most unusual gifts, to tie up on the tree;

Popcorn balls and suet, strings of nuts and corn.

With other goodies birds would like, on a winters morn.

"We wish you a merry Christmas!" sang the children merrily.

As they joyfully skipped around, the outdoor Christmas tree.

Billy's mother passed out gifts to every girl and boy.  
From her little son to bring others Christmas joy.

Next day birds of many kinds ate from their Christmas tree.  
"What a merry, merry Christmas after all!" said little Billy.

#### The church that lives on

The church is located 15 miles northwest of Smith Center. They are literally in the heartland of the U.S.A., just a few miles from the geographic center of the lower 48 states.

The town of Reamsville is all but a pleasant memory to many and has a population of only two! The church membership has also dwindled due to the loss of farm families because of the farm income crisis of the 80's. Other members have retired and moved away. But God must have a purpose in mind for them because they continue to have the finances necessary to operate.

The congregation was chartered in 1882 and worshiped for a number of years in a sod church. By 1896, when services were being held every other week, the sod church had deteriorated to the point of being unsafe and unfit for use.

With the arrival of a new minister, Rev. Allen, plans were made to replace the old sod structure with a wooden church. "Subscriptions" of \$228 were collected for the new church building and the foundation was laid in September 1897.

The goal was to have the new church completed in time for Christmas. Financial problems apparently slowed building progress, in December the congregation had to borrow \$100 to continue construction. The church was ready in March 1889. It was dedicated on April 24, 1889 along with a new organ, some seats, and a 500-pound bell.

The inside of the church is simply beautiful; the wood is well kept. Everything is kept well painted. The church is white with a pink shingled roof. The bell is on a low stand to the right of the front door looking out.

The church sign is supported with two long rocks chiseled to make post. Across

the top is wood with the name 'REAMSVILLE'. The sign has a painting of the church house. Worded across the lower portion, 'UNITED METHODIST CHURCH, Chartered 1889'.

Every year on Memorial Day weekend, they have a "homecoming" church service, dinner, and an afternoon program for people with ties to the United Methodist Church of Reamsville, Kansas. At this year's event they celebrated the 100<sup>th</sup> Anniversary of the building of their church.

#### Strange signs

Some out of state people were driving down Cemetery Road, as they drove to a cemetery a sign there read, "DEAD END". At the entrance gate as you were leaving, a sign read, "THANK YOU, PLEASE COME BACK."

#### De-Ranged Cowboy

Cowboy Joe was telling his fellow cowboys back on the ranch about his first visit to a big city church. "When I got there they had me first park my old truck in the corral," Joe began, "you mean the parking lot," interrupted Charlie, a more worldly fellow.

"I walked up the trail to the gate," Joe continued. "The sidewalk to the door," Charlie corrected him. "Inside the door, I was met by this dude," Joe went on. "That was the usher," Charlie explains.

"Well, the usher led me down the chute," Joe said. "You mean the aisle," Charlie said. "Then, he led me to a stall and told me to sit there," Charlie continues.

"Pew!" Charlie retorted. "Yeah," recalled Joe, "That's what the pretty lady said when I sat down beside her."

#### Short

Country church sits out on the prairie with a small yard grown up in weeds. A sign just right of the property reads, "Do Not Enter, Wrong Way."

#### Another short

Out in the open country there was a cemetery, which was fenced on Highway 49. In front of the cemetery a sign with a travel trailer painted on it with an arrow pointed into the cemetery with "CAMPING" written in large letters.

#### Sharing of a Country Church

The church is located in the small town of Keyston Nebraska. Back in the 1800's, the young ladies wished to have a church. Some were thinking of Marriage.

During the early years the cowboys came to the town, many were single. Some came from Denmark, others from Sweden, and others from other parts of the world.

The ladies began raising money to build a church. The young women raised \$300 dollars from bake sales and such. Others got interested. In 1908 the people were presented a church costing \$1,000 debt free.

The church was used for Presbyterians, Lutherans, and Methodist. The Catholics had no place to worship. The marriages between the native girls and the cowboys set the wheels in motion for the part of the people who were Catholic.

September 15, 1908, The Pope gave permission for the Catholics to use the same church. Some remodeling was required. A Catholic altar with a confessional near by graced the north end of the church. Having hinged backs on the pews easily flipped to allow the congregation to face the appropriate altar.

The only door to the church was at the center of the west wall. Opposite the heating stove. Kerosene lamps provided lighting in the early days. The church has never been wired for electricity.

When the Catholic Priest came, everyone was welcomed to attend Mass. If the Lutheran Minister was conducting services, the worshipers prayed the Lord's Prayer.

They all shared the same church for over 40 years. Now it is a Historical building with a historical marker. You can still visit the inside; the Minister's Wife will show you how to pump the old organ.

The little country church we should never forget. Its story is worth remembering and the lesson they learned by working together and respect for others.

Ralph, WA5PFK



## Lawton / Ft Sill Amateur Radio Club

The Nov. meeting was every informative. Terry, KB5IYB, brought the program on the MARS Radio System. Helping him was Mayo, N5RXF and Jim, N5UJB.

You guys did a great job. This meeting had a sad note to it though; we had to say our farewells to a great couple and their two children. Becky & R. J. Savey and their children Bo and Bonnie will be missed around the Lawton/Ft. Sill area. This couple was always willing to help with what ever they were asked. It would do us all proud to follow in their footsteps. If you are in a great club with lots of great people please follow in Becky and R J's example of lending that helping hand.

We had a good time at the Blvd. of Lights in downtown Lawton on The 20th of Nov. It was a wonderful way to kick off the Holiday Season. To keep with the holidays we are having our Dec. Meeting at Golden Corral on the 1st of Dec. There will be gift give away and lots of fun and fellowship. Will be looking for everyone their. May God Bless and Keep you in this Holiday Season.

Birthdays and Anniversaries for Nov.

11-06 Raymond Haney  
11-07 Bo Fallon  
11-15 Steve and Anita Brockwell  
11-20 Becky and R.J. Savey  
11-22 Mark Ewell  
11-29 Jim and Sue Arterberry

73's  
Danita Haney, KC5YYU  
Sec./Tres.

## Holiday Recipe from Kd5cxp

I think this is sort of a Thanksgiving \ Christmas thing. A friend gave it To me after bringing it to our office one day. Hope you can use it.

### Pumpkin Dip

4 cups powdered sugar  
2 8-oz packages cream cheese softened  
1 30-oz can solid pack pumpkin  
2 teaspoons ground cinnamon  
1 teaspoon ground ginger  
Gingersnap cookies (also good with vanilla wafers)

Yield: 7 cups (a lot)

In a large mixing bowl, combine powdered sugar & cream cheese, beating with mixer until well blended. Beat in the remaining ingredients (except cookies)

Store in an air tight container in the refrigerator. Serve as a dip with the cookies.

A pumpkin can be hollowed out and cut to the shape of a bowl with a saw tooth top edge for a great presentation. Set the bowl on a base of fall leaves.

Happy Thanksgiving and Merry Christmas

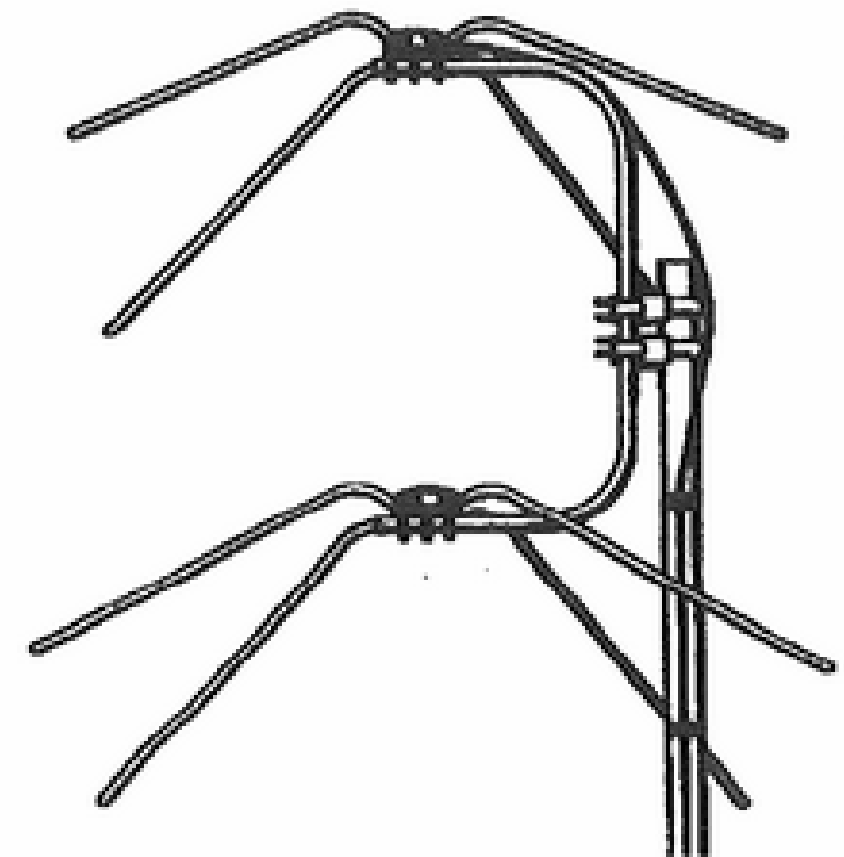
Mark, KC5CXP

## Renters Get Dish Ok

Renters will be permitted to install small satellite dishes or other T-V antennas on balconies, patios or gardens that aren't shared with other tenants. The Federal Communications Commission adopted rules on Friday November 20th that will help renters take advantage of a range of ways to get T-V service just as homeowners can. The rules, which should take effect in about two months, cover rental properties such as apartments and single family homes but not "common areas" such as apartment building lobbies or roofs. The FCC already has similar rules for people who live in condominiums, co-ops and mobile homes.

Unfortunately, Amateur Radio antennas are not covered under this order. But it could open the door to some pro ham radio antenna legislation a long ways down the road.

(Published News Reports)



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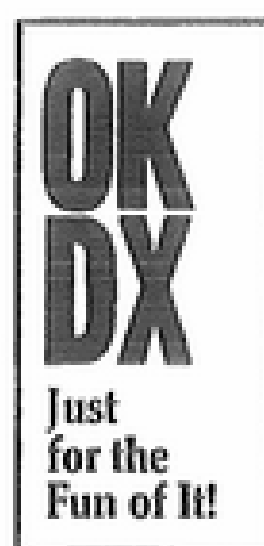
## THE BOOK RACK

Books & Comics

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Midwest City, Okla. 73110

Terry L. Smith  
Owner





## OKlahoma DX Association

From Da' Prez...

By Bruce Burnette, K5PX

Bruce is spending all his spare time in Santa's Workshop making good little DX toys for good little girls and boys...

- KC5QVV

### Secretary / Treasurers Report...

By Mark Byard, N5OG

#### • LAST CALL!!!

The OKDXA Secretary / Treasurer will submit the current roster of OKDXA members to CORA for renewal of C&E subscriptions in mid December. Those who have not renewed their membership by this time will not receive the January C&E. If you've been meaning to renew, but just haven't gotten around to it, imagine your hands are empty right now. Not the best way to start the new year, is it? Going Once, Going Twice...

As of late November, 71 of 106 members have renewed. THANK YOU for your continuing support of the OKDXA!

#### • New Members

Please welcome our newest members...

Mr. Jim White, W5CY of Enid and Mr. Mark Chouinard, KC5RRF of Claremore. Mark is the son of Jerry, K5YAA

#### • Congratulations to Coy Day!

Our very own Coy Day, N5OK is the new ARRL West Gulf Division Vice Director Elect. Coy will succeed current Vice Director Barney Boone, KJ5AE while Jim Haynie, W5JBP will remain as West Gulf Division Director for a three-year term.

ARRL Election results follow:

West Gulf Division Director	
Jim Haynie, W5JBP	2113
Lawrence S. Higgins, W5UQ	1602

West Gulf Division Vice Director:

Coy C. Day, N5OK 2330

Barney J. Boone, KJ5AE 1346

#### • Green Country Hamfest

Mark your new calendar with the Green Country Hamfest in Tulsa, March 19<sup>th</sup> & 20<sup>th</sup>, 1999. Thanks to Ray Shank for the following contact information:

Mailing Address:

Green Country Hamfest

P.O. Box 470132

Tulsa, OK, 74147-0132

Web Page:

<http://www.greencountryhamfest.org>

E-mail: [info@greencountryhamfest.org](mailto:info@greencountryhamfest.org)

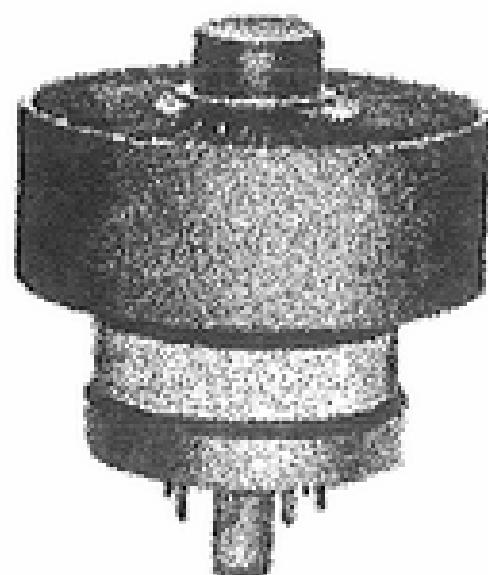
#### • The Tulsa area DX Packet Cluster is now available through the Internet:

Jess, W0ECM, has tied the Tulsa area DX cluster to the Internet. You can telnet into W0ECM at 205.240.70.178

#### • New e-mail addresses/e-mail changes:

Bill Clark, W5VW [w5vw@yahoo.com](mailto:w5vw@yahoo.com)

If you'd like your new or revised e-mail address added to the OKDXA club roster, or published here, please contact Mark Byard, [n5og@poncacity.net](mailto:n5og@poncacity.net)



### OKDXA Field Day Results...

Congratulations to the OKDXA Field Day Crew for a job well done! Operating Class 1A, the OKDXA scored 12<sup>th</sup> out of 231 entries with 1,020 QSO's logged. This put the OKDXA in the top 5% of their class, proving once again that skill, perseverance, and a 5-Land call with a bit of luck will always rise to the top...

### And, Speaking of Contests...

By Jerry Chouinard, K5YAA

In the November issue of the OKDXA Newsletter, Jim Hood, K5TT asked for a volunteer to coordinate the OKDXA Contesting efforts. After asking Jim what

was involved, I am offering to take on the task. I believe we can make a reasonable showing in each of the major contests this season, starting with the CQWW SSB contest from the last weekend of October.

Jim supplied me with a list of 'contest regulars', and any OKDXA member who would like their contest scores counted in with the OKDXA Club Score can send E-mail to [k5yaa@aol.com](mailto:k5yaa@aol.com). The snail-mail address is: Jerry Chouinard, K5YAA 4969 Heather Dr. Claremore, OK 74017. You can also call 918-341-6259 to let me know you will be listing the OKDXA as your club affiliation on the contest summary sheets.

It is not necessary to forward your scores, but I do need to list your call on the contest report I will send to the sponsor at the end of each contest. I understand there is some interest in developing a certificate program for club members who participate in contesting, and based on the results of that project, we may eventually need to gather scores. But, they aren't required at this time.

Jim's work last year has produced some respectable results in the medium (up to 50 entries) club class and I would like to see the OKDXA, as Jim stated, build on the foundation that has been established.

### XU1A DXpedition Announced...

Thanks to OKDXA member Frank Smith, AH0W for providing the following DXpedition announcement. Although you may be reading this after the DXpedition ends on December 4<sup>th</sup>, this should be of interest to many DX'ers.

#### CAMBODIA - XU1A - SPECIAL EVENT DXPEDITION

A multi-national DXpedition team will operate Special Event Station XU1A from the ancient Temple City of Angkor Wat in the Siem Reap province of Cambodia. Operation is scheduled for November 26 through December 4, 1998.

The DXpedition will operate CW, SSB and RTTY on all bands from 160 through 6 meters using the special call XU1A.



The team includes representatives from the USA, Japan, Finland, Sweden and Hong Kong. This DXpedition is headed by Yasuo "Zorro" Miyazawa JH1AJT and includes Kimo Chun, KH7U, Kazuhiko Fujita, VR2KF, Hitoshi "Jin" Fujiwara, JF1IST, Jan Hallenberg, SMØDJZ, Masayuki Nakatani, VR2MM, Erik Sjolund, SMØAGD, and OKDXA member Frank Smith, AHØW/OH2LVG.

Operating from within the shadows of Angkor Wat's majestic Buddhist and Vishnu temples, some built well over 1000 years ago, the DXpedition will take place in conjunction with the Angkor Wat International Half Marathon.

Marathon participants will include several Olympic medallists. This marathon is held to encourage donations for the victims of landmine accidents in Cambodia. Both the International Half Marathon and Amateur Radio DXpedition will be featured on Japanese television.

In the spirit of promoting International Friendship and Goodwill via Amateur Radio, Hams worldwide are encouraged to support this international humanitarian effort with their donations, both large and small. All contributions received will be forwarded immediately to Cambodia for aid to landmine victims. Contributions and QSL cards can be sent via JH1AJT.

You can e-mail via the Midway-Kure DX Foundation: [mkdxf@aztec.asu.edu](mailto:mkdxf@aztec.asu.edu)

**OPDX Bulletin** - Internet Edition - OPDX #384, November 23, 1998 The Ohio / Penn Dx PacketCluster. Editor Tedd Mirgliotta, KB8NW

### 3DA, SWAZILAND

The "DX News Sheet" reports that Jon, 3DAØCA is active on Fridays and Saturdays at 1900z on 1827 kHz for Europe. QSL via W4DR.

### AT, INDIA

Dilip, VU2DPI reports the Government of India announced that until December 31st all Indian Hams can use the "AT" prefix instead of the usual VU prefix. The special prefix commemorates the 75 years of Amateur Radio in India. Dilip gives the

following example: VU2DPI can use the call AT2DPI.

### BRAZILIAN ISLAND DXPEDITION

Listen for ZV3A and ZV3C to be active December 12-13th, from Gua'ba Arch. (ed. Spelling is not current) DIB 73 (Not IOTA). Activity will be SSB / CW on 20-40 meters. QSL via Bureau or Cx. Postal 2180, Porto Alegre / RS, 90001-970, Brasil.

### C6, BAHAMAS

After signing C6A/N4RP for nearly two decades, Dick has just been granted the call C6AKP. QSL C6AKP either direct to Dick's home QTH: (2805 Casita Way, Apartment 115, Delray Beach, FL, 33415) or via the W4 bureau.

### F, TRISTAN ISLAND (France)

Francis, F6HKS, will be active from this French island (counts only for the French Island Award DIFM as ATØ56) on December 21st from 1000-1600z if weather permitting, or on December 23rd same period.

### FR/G, GLORIOSO

Zareh, VE2NW received this info from Jacques, FR5ZU about his operation from Glorioso as FR5ZU/G. He had trouble with his power supply and was unable to use his transceiver, portable computer or camcorder. Jacques used a battery from a tractor while on Glorioso. The logs were taken on paper and will be forwarded to VE2NW as soon as possible. They are extremely busy with the Cyclone season.

### FR/T, TROMELIN

Henry, FR5ZQ, was reported active again as FR5ZQ/T during this past week. Most of his activity was SSB on 10 & 20 with some CW on 15 Meters. The length of his stay is unknown. QSL via home call.

### FY, FRENCH GUIANA

The "DX News Sheet" reports that Dave, DJØPJ, will be active again in December, but will QRT while in Germany for Christmas. He will also be active again in January as FY/DJØPJ. Suggested CW (QRP) frequencies are: 14060, 21060 and 28060 kHz. QSL via home call.

### THAILAND (Special Event)

The Radio Amateur Society of Thailand (RAST) will provide back-up support to the Communications Authority of Thailand (CAT) for Telecommunications during the 13th Asian Games, December 6-20th. A nation-wide network will be set up using HF (mainly 7060 kHz SSB) plus 2 Meter FM and packet links. The opening ceremony on December 6th will be presided over by His Majesty King Bhumipol (HS1A) who is the Patron of RAST. 43 countries will participate in the games. The special event call HS98AG will be used to publicize the event. QSL manager is HS1CKC.

### LY6Ø, LITHUANIA

There are about 20 LY stations using the LY6Ø prefix to celebrate the 60th anniversary of the Lithuanian ARC (LRMD). LY6ØRMD is the LRMD HQ station.

### PALESTINE

The "DX News Sheet" states that John, K4MM, reports Palestine was granted an international dialing code and an amateur radio call prefix block at the recent ITU Plenipotentiary Conference in Minnesota, USA, and could become a new entity when the call block is allocated.

### QSL INFO AND NEWS

Logs are up on the web for the BQ9P operation: <http://www.qsl.net/bq9p>

EX2M has a new QSL Manager. Send QSLs to W3HNK for EX2M contacts. His address is: Joseph L Arcure Jr, POB 73, Edgemont, PA 19028, USA.

HH2HM/F is not the QSL Manager for BA4TB. The correct manager is 9A2AJ. 9A2AJ is the QSL Manager for BG4TBD, BD4TB and BA4TB. QSL direct or via bureau (Tomislav Polak, P.P., 34551 LIPIK, Croatia).

FM5GU and FM5GU/I QSL cards are to be QSLed via WA4JTK, direct only. FM5GU reports that WA4JTK does not accept bureau cards.

Effective the 1st of December, QSL Manager Alan, VK4AAR, will have a new mailing address: Alan Roocroft, PO Box 421, Gatton, QLD 4343, Australia. QSL direct only to this new address for a

FAST turnaround for the following stations: V63PD, VK8AN, VK8AN/6, VK8MI, YJ8AA, ZK2JJ, ZK2PJ and VI0ANARE (but \*NOT\* VK0ANARE). If anyone has sent to his old Dalveen address, it will reach him OK. Do not re-QSL, but please use the new address for all future correspondence.

Robin, DU9RG is no longer the QSL Manager for 4G50N. Cards for this call can be sent via the bureau. Cards sent to him direct or via the bureau will be forwarded to the station in Naga City. Robin states he is not able to send out cards directly as he has not received the logs from the station. He has the logs for contacts made during the first week of January, 1998. If you have already sent cards through him, there is no need to send another QSL as all cards, IRCs, green stamps, and SASEs have been sent to Naga City. He suggests being patient.

#### SPECIAL PREFIXES

As reported by Radio Amateurs of Canada (RAC) from their Web site: "To commemorate the 75th anniversary of the first two-way Trans-Atlantic exchange between Amateur Radio Operators, the Industry Canada (Canada's FCC) has authorized the use of the following special callsign prefixes from December 1st to December 31<sup>st</sup>.

(normal prefix/special prefix)

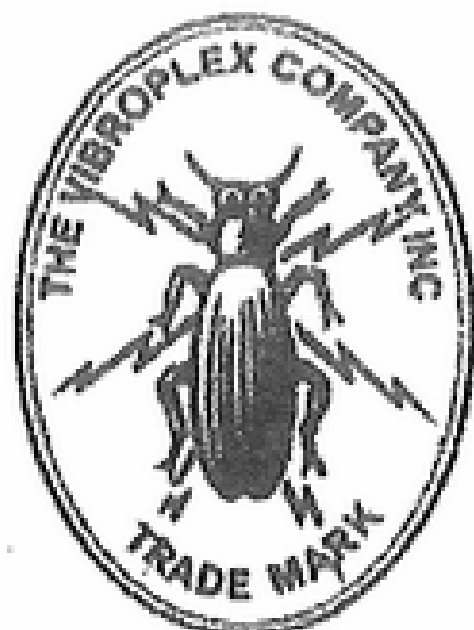
VE1/CG1, VE2/CG2 VA2/CF2,  
VE3/CG3, VA3/CF3, VE4/CG4,  
VE5/CG5, VE6/CG6, VE7/CG7,  
VE8/CG8, VE9/CG9, VO1/CJ1,  
VO2/CJ2, VY1/CK1, VY2/CK2.

#### T30/T31/T32/T33 NEWS

Courtesy of Tuck, KH6DFW (T32BI). Tuck has a daily schedule with Phil, T32O, who currently has DL1VU and DJ5IW (T32VU and T32IW) as guests at his QTH. Phil reports that Karl, DL1VU, will not be going to T31 (Canton Island) as previously announced due to transportation problems. The ship was booked full except for deck passage, which Karl declined. He will instead go to Tarawa (T30) and then on to Banaba Island (T33). He has confirmed transportation to Banaba. The ship will proceed from Christmas Island to Tarawa via Washington and Fanning Islands. It is

unknown if he will be able to operate from those IOTAs. A detour of this ship to Canton would have cost an additional 1500 USD, which Karl declined. The other operator, Gert, DJ5IW (T32IW), will remain at Christmas Island until the first part of December, when he will return to Germany. Phil does not have the exact dates at this time for Karl to be on Tarawa or Banaba.

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



#### Doctor DX...

*Dear Doctor DX:*

I own an older three story walk-up apartment building and due to a bad knee I can't climb the steps to the third floor more than once a day. My idiot brother the Radio Amateur wired a light switch on the first floor that works the hall lights on the third floor, but he used a three-gang switch block from a Hamfest and he can't remember which switch he wired. How can I make just one trip upstairs and know which one of the three switches works the lights?

Signed: Which Switch should I Twitch?

*Dear Twitchy:*

While operating split frequencies on HF isn't a common practice, it is used on 40 Meters due to the difference in band allocations among the three ITU regions. Make sure all three switches have been turned off for at least an hour before trying this. Turn on the first switch for 30 minutes, then turn it off and turn on the second switch. Go to the third floor hallway. If the lights are on, it's the second switch. If they're off, put your hand on one of the light fixtures. If it's warm from the heat of the lamp, the first switch operates them. If it's cold, the third

switch should be the one that works. Since your brother, the Radio Amateur, did the wiring your results may vary...

*Dear Doctor DX:*

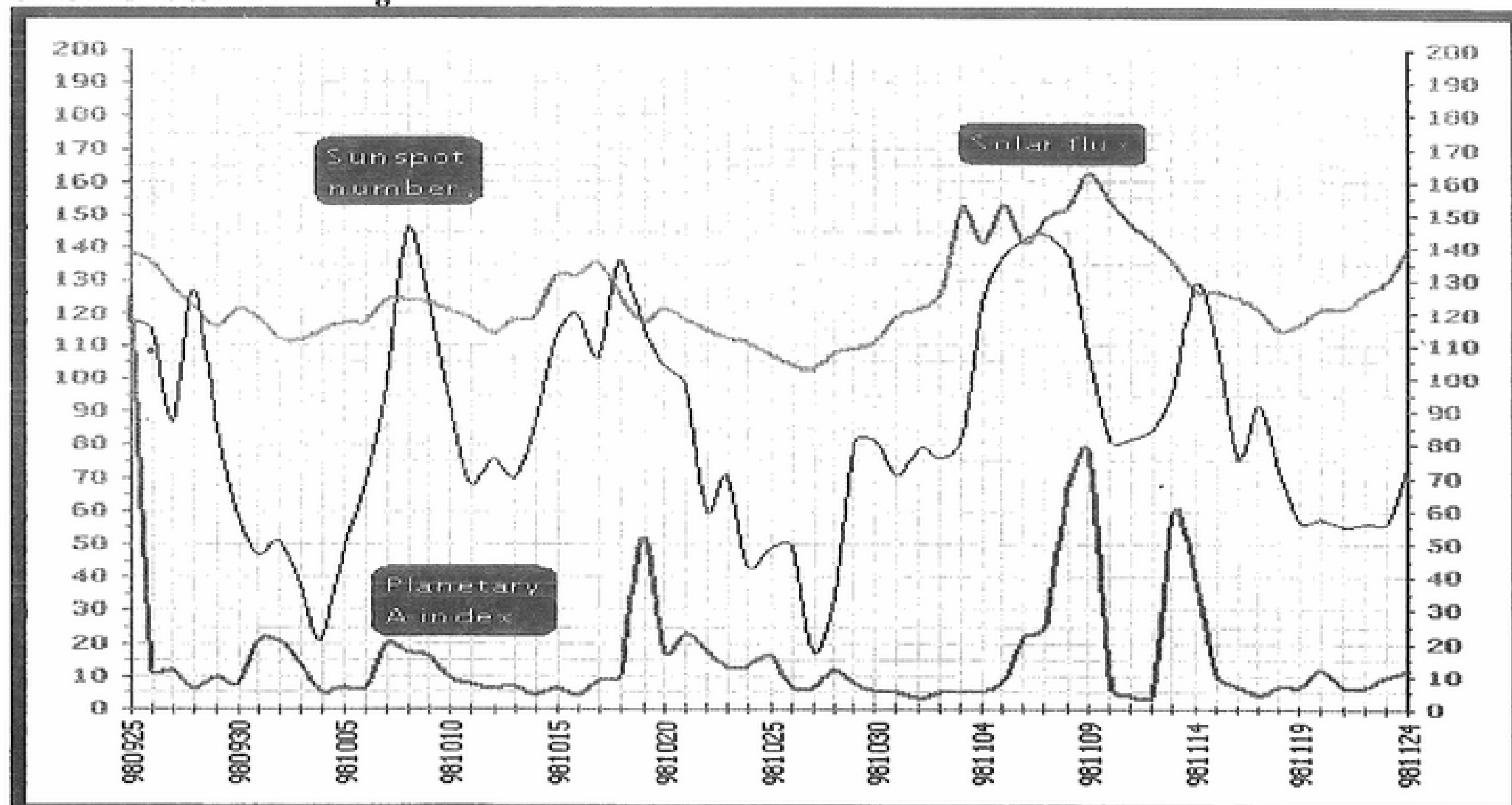
I'm a desk clerk at a motel near the OKC end of the Turner Turnpike and I hope you can help me with a problem that has been weighing heavily on my mind since last summer. Three Radio Amateurs attending Ham Holiday '98 decided to share a \$30.00 room and split the cost three ways at \$10.00 each. When I booked the room into the computer, I found there was a special rate of \$25.00 for Hams. Not knowing how to divide \$5.00 in change three ways, I told them the Ham rate was \$27.00 and gave them a dollar each. As a reward for my honesty, I put the remaining \$2.00 in my pocket. We started with \$30.00 total, but the three Hams paid \$9.00 each, so that's \$27.00 from them plus the \$2.00 in my pocket. This adds up to \$29.00. Where did the other dollar go?

Signed: Motel Slick.

*Dear Slick:*

A low angle of radiation is the key to DX performance from any antenna, but often we cannot install a horizontal antenna at the optimum height. This is especially true for the bands below 10 MHz. At 7 MHz, a half wavelength above ground is 70 feet. The multiplication is one source of your confusion, as it leads you to assume the room was \$27.00 since that's what the Hams paid for it. But, don't forget the real cost of the room was \$25.00 and that \$3.00 change was given to the Hams. Take the \$27.00 paid less the \$2.00 in your pocket and you'll have the \$25.00 room. Instead of adding the \$2.00 in your pocket to the \$27.00, you should have subtracted it since you took it out of the total paid. Add the \$3.00 in the Ham's pockets instead and you get the \$30.00 total. If you're still confused, wait until Ham Holiday '99 and they'll probably come back and give you a chance at the other dollar...

*Doctor DX answers the truly weird questions CQ and QST are too clever to fool with. You can e-mail Doctor DX via [kc5qvv@gte.net](mailto:kc5qvv@gte.net)*

*Ol' Sol Gets With The Program...*

This chart is updated several times daily by The DX Listeners Club of Kristiansand, Norway – <http://www.dxl.com/solar>

Want to become a member of the OKDXA? Contact Mark Byard, N5OG, 504 Foster Ave. Ponca City, OK 74601-2519  
 Have some DX News to share? Contact Nelson Derks, KC5QVV, 13410 South 128<sup>th</sup> East Ave. Broken Arrow, OK 74011  
 E-Mail to: [n5og@poncacity.net](mailto:n5og@poncacity.net) or [kc5qvv@gte.net](mailto:kc5qvv@gte.net) – Visit the OKDXA Web Page – <http://www.poncacity.net/n5og/okdxa>

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### Turn Your Festive Holiday Lighting Into A POWERFUL DX MAGNET with ShaZamaHamaTronics NOMATUNER!

You spend HOURS, perhaps DAYS putting up your HOLIDAY LIGHTING EVERY YEAR, but you have to walk outside TO APPRECIATE YOUR WORK. Now you can BENEFIT FROM YOUR EFFORTS IN THE COMFORT OF YOUR SHACK!  
 ShaZamaHamaTronics exclusive NOMATUNER® TURNS YOUR HOLIDAY LIGHTS INTO HOLIDAY QSO's !!!

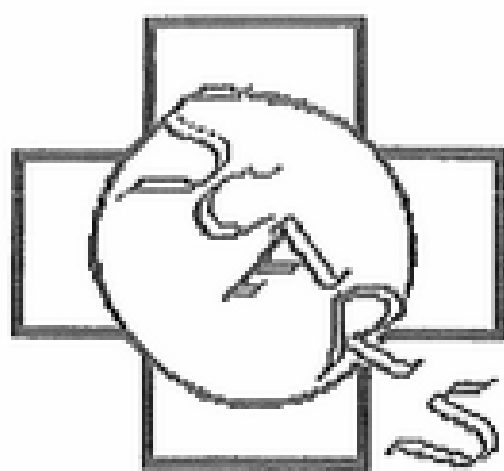
CW OPERATORS WILL BE DELIGHTED when your phone rings at 3:00 am and your neighbor is asking why  
 YOUR HOLIDAY LIGHTS ARE FLASHING CQ AND 73 IN A KALEIDOSCOPE OF COLORS !

As Cletus B. Liddley, A5LID of Bochita, Oklahoma says: " The holidays can be really tough on a Ham, and a Turkey, too... "

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*Best Wishes to all for A Happy Holiday Season  
 with DX that's 5 by 9 in '99 from The Oklahoma DX Association!*



## South Canadian Amateur Radio Society

Minutes - SCARS Regular Meeting -  
November 14, 1998

The November meeting of the South Canadian Amateur Radio Society was held on Saturday, November 14, at the Red Cross Building in Norman. The meeting was called to order at 0930 by Club President Dennis, KC5EVH.

After the usual introductions of all present, Dennis raised the subject of Christmas gifts for the upcoming Christmas party to be held at Furr's on December 8 at 7pm. A motion was made and passed to increase the amount the Club will spend on gifts this year, but no one wanted to volunteer to be the one(s) to buy the gifts!!! We shall see what happens, as the next meeting will be after the party. Twenty-five or so are expected to attend the Christmas party this year.

**TREASURER'S REPORT** - Per Jeff, KE5EB, the Club account is in good shape. Renewals are currently being accepted, and renewals may be mailed to SCARS, P.O. Box 720993, Norman OK 73072. Questions regarding renewals

should be made to Jeff at 329-7871. Leave a message and he will return your call.

**REPEATER REPORT** - Ken, N5BEW, gave an, "All's well!" on the repeater systems. Nothing new to report.

**CORA** - No report available at this meeting.

**O. U. HAM CLASSES** - Some conflicting information here. Notification was made to the Club that the classes will begin on the second Monday in January, and the date given was January 18. This, of course, is erroneous, as the second Monday is January 11. Want to know which one is correct? Please contact Brett, KD5DXT, or come to the next meeting. We should be able to clarify it by then!

**ELECTIONS** - Annual elections were held, and all current officers remained in place. The only change is that the V. President will also assume the duties of the Secretary. The Treasurer, Jeff KE5EB, had been filling that need, but asked that the duties be assumed by someone actually in the position as Secretary. No one volunteered to take on those responsibilities, so Steve, W5BIV, graciously consented to fill the positions of V. President and Secretary! Thanks, Steve!! Here's the rundown:  
President - Dennis, KC5EVH  
Vice President/Secretary - Steve, W5BIV  
Treasurer - Jeff, KE5EB

The meeting adjourned at 1020.

## Amateur Radio License Class Offered in Norman

For your New Year's resolution, how about learning some new skills by taking a free Amateur Radio License Class? The class is open to anyone, any age, interested in becoming an Amateur Radio Operator (Ham). The 8-week class meets Monday nights, 7 pm - 9 pm, from January 18 to March 8, 1999, at the National Weather Service (NWS) Forecast Office, 1200 Westheimer Dr., Norman. No Morse code knowledge is required for this license. If you are interested in taking the class, please contact Jud Ahern, W5JA, at jahern@ou.edu or 325-4480.

The no-code Technician License Class is sponsored by OUARC (Oklahoma University Amateur Radio Club -- Alpha Sigma Delta Radio Fraternity) and SCARS (South Canadian Amateur Radio Society). Participants will need to purchase the book *Now You're Talking!: All You Need to Get Your Ham Radio Technician License*, 3rd edition, (\$19), which will be available through the class.

Sessions will consist of about 50% video material and 50% demonstration and lecture. The 7th night of class, March 1, 1999, students will complete preliminary paperwork for the test, review material with instructors, and take a practice exam. FCC license testing will take place during the 8th class, March 8, 1999, by ARRL volunteer examiners.

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Fax (405) 882-0461

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### Skyline Restaurant

*"country cooking"*

Bryan, Cindy, Jennifer and Jessica



## Broken Arrow Amateur Radio Club

### December Meeting Program Election of New Officers!

**Christmas Party:**  
Monday, December 14<sup>th</sup>, 1998,  
6:30PM  
China Star Restaurant, 71<sup>st</sup> & 145<sup>th</sup> E  
Ave., Broken Arrow, OK

### November Meeting Minutes

The meeting was called to order by President Jeff Scoville, KC5RTH and we immediately went into the evening program. A video presentation was showing the early radio pioneers and equipment from years' past. Chuck Myers, KK5IC, provided the tape.

After the presentation and a short break, the President was able to get everyone rounded up again for the business portion of the meeting.

#### Committee reports:

Engineering – the 145.47 machine seems to be in good shape after being relocated to the police station. The auto patch is currently unavailable but should be back on the air by December. The 146.91 / 444.0 machine disappeared the other day, but was back up after being reset by Mark. All is well now.

Several members of the club met at Tiger Hill the previous weekend and relocated some equipment that was going to be abandoned as the bunker on Tiger Hill is being razed.

Packet report – from Mike (WA5TXX) – the hard drive on the PC is down. Repairs underway – no estimated repair date was provided.

ARES – nothing to report – all is quiet. The simulated emergency test didn't happen in October as planned and may be re-scheduled before next Spring.

VE testing will be held Saturday the 7th. Net reports – no complaints, therefore doing well.

Old business: None.

New Business:

The Christmas party will be held this year at the China Star restaurant starting at 6:30 p.m., on the 14th of December. There will be the traditional white elephant gift exchange so those choosing to participate. Plan on having fun with the event. The China Star restaurant is located south of the intersection at 71st and 145th in Broken Arrow. All club members are invited to attend.

It's that time of year again to nominate candidates for club offices. Nominations were made for the office of President, Vice-President, Secretary, Treasurer, and three directors.

Nominated	
President	Wayne Hartsfield, KK5AT
Vice President	Joe Horn, KC5VPO
Secretary	Jerry Pascal, KC5JKU
Treasurer	Harlan Kinney, K9GDK
Director	Mike Foster, KA5TXX
Director	Mark Hogan, N5OBC
Director/Rpt Trustee	Nick Marsala, AB5M

A discussion was held regarding the need for a 2-meter antenna for the EOC. The recommendations were for a Comet vertical 2m, 7db costing about \$125, or a Ringo Ranger 2m, Hi gain, \$79.

After some discussion it was decided by the club to continue investigation of options and recommending funding at a later date.

The meeting was then adjourned.

Submitted by,  
Joe Horn, KC5VPO  
Secretary BAARC

### Club BBS Gets New Home

The club phone BBS is now residing at 259-1745. William Gwin KC5SFB has spent considerable efforts in adding new functions and software. If you have a modem, check it out!

### Looking For Articles

Have an article? Have an idea for an article? Send it to [w5bbs@juno.com](mailto:w5bbs@juno.com) or give Jeff a call at 251-0132. As always, contributions to the BAARC section of the CORA newsletter are always welcome!

## SWAP & TRADE



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

K5FRI, Tom, is looking for an operating manual for either the ICOM IC-2410H or IC-2410A. He can be reached at 918-486-4811.

KF5IF, Wade, is looking for a 2m or 2m/70cm FM base radio. Radio with SSB may be considered. He can be reached at 918-355-3176.

Merry Xmas for some new HAM, Cushcraft R7 Vert.; 10,12,15,17.20,30,40 meters; all <1.8:1; mint cond. w/ manual; KB5RR, Edmond, OK, [kb5rr@ibm.net](mailto:kb5rr@ibm.net) or 405-341-7163

If you want to list one or more items for SWAP or TRADE in this newsletter, 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.



## Edmond Amateur Radio Society

Hello, my fellow amateurs. This is Bob, KM5GZ. Did you get to see the meteor shower Tuesday morning the 17th of November? I got up at 3:00 AM, put on my coat, grabbed my handy talkie, & went outside. There was already some activity on the Edmond repeater (147.135) & I joined right in. The meteors were coming from a point in the eastern sky about 30-45 degrees up from the horizon. These streaks were being made by dust particles from the path around the orbit of comet Temple-Tuttle. The Earth goes through this dust trail twice a year. One is the dust coming toward the Sun & the other is the dust leaving the area of the Sun. This one was called the Leonids because they appear to be coming from the constellation of Leo. Astronomers say that next year is actually the maximum. The shower is every year but every 33 years it reaches a maximum. It happened in 1933 & 1966 & is due in 1999. I estimate that I saw about 50-75 meteors. There were others that came on the repeater at different times & were seeing other streaks that I didn't see.

They were as I remember: Carl, KM5PA; Sharon, KM5GV; Jim, K5PER; Steve, KM5RW; Steve, KC5RYT; Trish, KC5YBP; Linda, N5OJP (without Jim, N5OHL whose idea this was in the first place); Ron, KC5QCV; Dave, K0TYC; Cori, KD5FGU; Regina, KK5FX. I think there was also N3OQT. I stayed up until it started to get light in the East along with Steve, KM5RW.

Enough of that. I just have one other thought that I would like to bring out. And I don't know if it is a good idea or if it could be used at all. The other afternoon there was a phone line cut & the phones in Edmond & North OKC all the way up to Kansas were out. Most cell phones were out. I assume 911 was out. I think about

the Doctors that need to be called, the wrecks that may need to be called in, the emergency vehicles that couldn't be called. It seems like there should be something we, as amateurs, could do to help. I can only come up with one thought out of my feeble mind. And that is that we could have someone at the EOC Club Station Radios standing by in case there is a mobile out there that sees a wreck or anything that would need the Edmond Police to respond to. It could be a Controlled Net or just a casual net.

I don't know if I am making any sense or not. I just felt that our network of stations around Edmond & the City would have been a great asset & we could have done something. We have a great web of Hams that know each other directly or through someone else. I started to go to the EOC & ask if they might want our help. But I thought it might seem silly. And the last thing that I would want is to be silly.

Stick a fork in me. I'm done. Bob KM5GZ.

### Net Schedule

Hello Net Controllers. It is that time again. I am looking for Net Controllers for January. I have December filled up. If anyone one wants to be scheduled for January, You can E-mail me (km5gz@juno.com) or get me on the radio. Sometimes (not often) I will even answer the phone.

Dec. 7 <sup>th</sup> :	Bob, KM5GZ.
Dec 15 <sup>th</sup> :	Tom, AC5PI.
Dec. 21 <sup>st</sup> :	David, KC5UNO.
Dec. 28 <sup>th</sup> :	Jim, N5OHL.
Jan. 4 <sup>th</sup> :	John, WB5SYT.
Jan. 11 <sup>th</sup> :	Open
Jan. 18 <sup>th</sup> :	Open
Jan. 25 <sup>th</sup> :	Open
Rest of Year:	Open.

### December Birthdays

12-06	KG5UK	Brad Kiespert
12-07	KB5ODR	Brian Kiespert
12-07	KA8VKR	Charles Gawron
12-21	KC5MXE	Buford Ford
12-21	KC5UNO	David Hartman
12-22	KA5YPH	Arlester Milligan
12-28	KC5SMI	Judy Johnson
12-28	KM5GV	Sharon Thompson
12-29	N5VDY	Jim Payne
12-30	N5QIT	Richard Vinson
12-31	KC5LXT	Robert Anderson

### Health and Welfare Report

Hi to everyone. As I am writing this report, Thanksgiving is over and I hope you all had a nice Thanksgiving Day.

We would like to offer our deepest sympathy to David, KC5KJE; Joyce, KC5NBI, and family in the loss of their loved one, Ronald Nicholson (Joyce's father). May the fond memories help you through this difficult time.

Jana Thomason, N5KMJ had surgery recently and is at home recuperating and doing well. We hope you have a speedy recovery, Jana.

Congratulations to the Lytles! Jay, KB5VDH and Shannon, KB5VQM are the proud parents of a precious baby boy, Stephen James, born November 20, 1998, weighing 5 pounds 11 ounces. What joy this little bundle will bring into your life!

Please remember all of the above, as well as Robert Coxsey's mother Opal, in your prayers.

Hope all of our members are blessed with continuing good health, and Merry Christmas to all!

73 de Clara Granger, KG5UG

### Minutes For November

#### November Board Meeting

Vice President, Steve Kuper, KC5RYT presided over the meeting which was held on Nov. 6th at the Club Station. There were 13 Club members present.

John, WB5SYT presented the Board with a slate of candidates for 1999, as submitted by the Nomination Committee. Discussion followed concerning the upcoming elections.

Minutes of the October Board meeting had been distributed earlier and were accepted without revision. Carl, KM5PA presented the Treasurer's Report, and indicated that he had been contacted by ICOM, who wish to have their ICOM Fun Bus at the Club Station on Monday, Nov. 30th. The Monday Night Net will be run from that location and all are welcome to stop by. Steve, KC5RYT indicated that the Christmas Dinner would be held on Dec. 5th. (See separate item for details.)

Dave, K0TYC reported that the Club's Kenwood 520 rig now has a VFO unit and a digital readout is on order. He reminded everyone of the Special Event Station on Nov. 14th. He also indicated the Club would like to receive a QSL card from each of the Club's members to put on display.

CORA Rep. Ron, KC5QCV reported on the Oct. 31st CORA meeting. The Enid amateur radio club has just joined CORA. He indicated that Ham Holiday will be July 23rd and 24th.

Clara, KG5UG said that post cards will be mailed to all Club members announcing the upcoming elections. She also brought everyone up to date on Club members who are recuperating from illness and surgery. Clara also indicated that the Novice/Technician class members will be testing on Sunday, Nov. 8th at the Club Station.

#### *November Business Meeting*

Thirty-four members and guests were present for the November business meeting, which was held Sunday, Nov. 8th at St. John's. The meeting was called to order by President, Jim Richardson, N5OHL.

Sharon, KM5GV read the minutes of the September meeting, which were accepted as read. Carl, KM5PA gave the Treasurer's Report, which was also accepted as given.

Vice President, Steve Kuper, KC5RYT gave details of the upcoming Christmas dinner, followed by Dee, WD5FHR, who gave the group details of work recently completed on the tower at the Station. A storm in September tilted the tower and it is in the process of being dismantled and removed. It will be reinstalled in the alley behind the City building. Discussion followed on the procedures and safety issues.

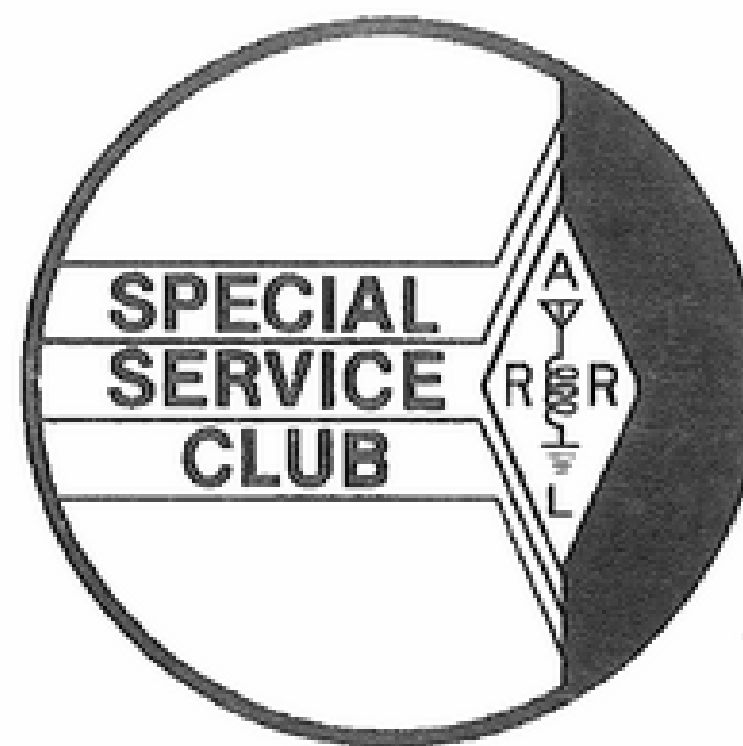
HF Committee Chairman, Dave, K0TYC reported that the Special Event went well the day before, with 90 contacts being made. He thanked all those who participated.

Forrest, N5VWF, Secretary of CORA reported on the October CORA meeting.

He indicated that planning is beginning on Ham Holiday 99 and volunteers are needed to help with the plans. Discussion followed on Ham Holiday and its plans. The next CORA meeting will be in January.

Clara, KG5UG reported on those Club members who are recuperating from surgery, and those who have lost loved ones this past week.

John, WB5SYT, representing the Nomination Committee presented the Club with a slate of candidates for 1999, and indicated that additional nominations from the floor were appropriate. None were offered and the slate as offered by the Nomination Committee was duly elected. (See separate item for details).



Clara, KG5UG and Sharon, KM5GV reported that the Novice Technician licensing class went especially well this year with quite a few successful students. (See separate item for details). They thanked all those who helped out this year, teaching, setting up, organizing and offering encouragement and assistance to the students.

Carl, KM5PA again reported that the Nov. 30th Monday Night Net would be conducted from the ICOM Fun Bus which will be on location at the Club Station. All are welcome.

Edith, KA5YPX made applications available for those wishing to apply for an Amateur Radio license plate.

Dennis McCarthy, KC5EVH from the National Weather Service was visiting and introduced himself. He indicated that the OU Club plans a Technician licensing class in Norman beginning Monday, Jan.

18th, which will run 8 weeks. Also, on Thursday, Dec. 3rd, OU and the American Meteorology Service will have a meeting to show videos of the Oct. 4th storms and recent tornadoes. It will be held at 7:00 PM at the Energy Center.

#### **1999 EARS officers**

President	Stephen Kuper, KC5RYT
Vice President	Curtis Foote, KC5GEP
Secretary	David Hartman, KC5UNO
Treasurer	Gary Carson, KD5CPL
Board Member	Judy Johnson, KM5QW
Board Member	David Story, K0TYC
Board Member	Patrick Martin, KD5CPQ

#### **New Member**

EARS would like to welcome back Phil Wolfenbarger, N5HIP. Phil has been a very active and influential member over the years, and we look forward to his input and participation in the future. Welcome back, Phil.

#### **Novice/Technician Licensing Classes**

We had an extremely successful licensing class this year. The class began with 23 students, all eager and enthusiastic and ready to get their license. As you might know, eight weeks isn't very long to absorb all of the Novice and Technician theory, AND master the brand new language of code. But, they all gave it their best. Attendance was excellent and most students who missed did so because of work conflicts and were faithful to study on their own and keep up to date. We had a total of 14 students present at the VE exam session on Nov. 8th. A total of 23 elements were passed. One student earned her Novice license, four earned Technician and three earned Technician Plus. In fact, two of the students passed their 13wpm code. Several others passed elements which have started them on their way, and they plan on continuing their study at home and test within the next few weeks. All in all, it was a terrific class. They were motivated to succeed, they interacted well with each other, and the results tell the story. The Tech Pluses have already inquired about an upcoming General licensing class, and Club membership. We look forward to their input in the months and years to come, and welcome them into this lifelong hobby.



Our special thanks go out to those in the Club who worked so hard to make these classes a success. Clara, KG5UG and Sherry, KD5CPJ were tireless in their planning, organizing and manning of the registration table each week. Their friendly, warm welcome to each student gave a real cohesiveness to the class. Sharon, KM5GV helped by setting up the scheduling and forms necessary for the classes to run smoothly. There were many members who came by from time to time on Sunday afternoons, to help set up tables, to offer information and answers to students' questions in the Club Station, and to give moral support to the students. Earnie, K5YKD has done this faithfully, and there were many others.

We had a great group of instructors this year. A special Hats Off to Brad AC5CQ who provided code instruction each week, and to Allen, N5PA who filled in for one of those weeks. Sharon, KM5GV gave the Class Introduction and Overview and also the final comments on the last week.

Earnie, K5YKD taught Chapter 1, with each of the following teaching two chapters a piece over the next few weeks. If you have seen the study material lately, you know what a tremendous amount of material had to be covered. Our thanks to: Curtis, KC5GEP; Clarence, KB5RR; Dave K0TYC; Carl, KM5PA and Harold, WA5ZKX.

The feedback from the students was excellent. They were all appreciative of the friendliness and interest taken by the Club members and the superior teaching they received. It was a tremendous success. Our congratulations go out to all those who participated as students, and thanks to all those in the Club who made it possible.

The following students earned their first licenses:

Elizabeth Barker, (Call not known) Novice  
Steven Johnsen, KD5FQU, Technician  
Peter Howe, KD5FQP, Technician  
Milton Coleman, KD5FQT, Technician  
Ron Lowther, KD5FQR, Technician  
Joe Cory, KD5FQQ, Technician Plus  
Don Sherry, KD5FQS, Technician Plus  
Vince Hibbard, KD5FQV, Technician Plus

The following students later received their license at the Nov. 16th V.E. session:

Albert Cohen, (Call unknown), Novice  
Jean Clark, (Call unknown), Technician

### Christmas Dinner

Ho-Ho-Ho. It's about time again for the annual EARS Christmas Dinner. In fact, we understand that Santa is making preparations right now for his appearance. So mark your calendars and plan to be there. Saturday, December 5th, at 6:00 PM at St. John's Catholic Church at 9th and Littler in Edmond.

Turkey will be supplied by the Club, and each family is asked to bring a potluck item, either a salad, vegetable or dessert. The adult cost of \$5.00 per person will go into the Bertha Watson Memorial Scholarship Fund. Children 12 and under are asked to bring a non-perishable food item as their ticket in. Food items will be donated to Edmond's Hope Center. A basket will also be available for any cash donations to the Hope Center.

Come join in the fun, get re-acquainted with those you haven't seen in a while and catch up on all the news. This will also be a great time to renew your membership for 1999. Carl, KM5PA will be there ready to take your dues and give you your 1999 membership card. We're looking forward to seeing as many of you as can come. That's Saturday, December 5th at 6:00 PM.

### Dates to Remember

Board Meeting - Dec. 4th - at Brick's  
Christmas Dinner - Dec. 5th  
Jan Board Meeting - Jan. 8th - at Club Station  
Jan Business Meeting - Jan. 17th - at St. John's

### 1999 Membership Renewal

Can you believe it!! Another year has rolled by. It's time again to renew your EARS club membership. Renewal forms will be available at the Christmas Dinner, or your checks can be mailed to EARS, P.O. Box 48, Edmond, OK 73083. Individual adult membership is \$25.00; Individual Student membership is \$12.50; and Family membership is \$35.00. Be sure to renew your membership by January 18th to ensure that there is no break in

your receiving the *Collector and Emitter*. We thank each of you for your support of the Edmond Amateur Radio Society, which enables EARS to participate fully in so many phases of amateur radio for the benefit and pleasure of all, and service to the community. Thank you, everyone.

### Blood Donation

Don't forget to give blood. This is an ongoing need in the community, and especially during this holiday season. Visit any of the local Oklahoma Blood Institute donation centers and do your part.

### QST QST QST

The EARS HF Committee is requesting that any EARS member who has a QSL card, give one to the Club. The plan is to display those cards at the Club Station so we can all enjoy the infinite variety of QSL presentation. You can bring yours to the Christmas Dinner, or the January Business Meeting, or give it to any of the Club's officers. You may also mail your card in to the Club at P.O. Box 48, Edmond, OK 73083. Thanks for your participation.

73 to all, and best wishes for a wonderful holiday season. Sharon, KM5GV

### The Christmas Gift

Bobby was getting cold sitting out in his back yard in the snow. He didn't wear boots; he didn't like them and anyway he didn't own any. The thin sneakers he wore had a few holes in them and did a poor job of keeping out the cold. Bobby had been in his backyard for about an hour already, but try as he might, he could not come up with an idea for his mother's Christmas gift. He shook his head as he thought, "This is useless, even if I do come up with an idea, I don't have any money to spend."

Ever since his father had passed away three years ago, the family of five had struggled. It wasn't because his mother didn't care, or try, there just never seemed to be enough. She worked nights at the hospital, but the small wage she was earning could only be stretched so far.

What the family lacked in money and material things, they more than made up for in love and family unity. Bobby had two older and one younger sister, who ran the household in their mother's absence.



All three of his sisters had already made beautiful gifts for their mother. Somehow it just wasn't fair. Here it was Christmas Eve already, and he had nothing.

Wiping a tear from his eye, Bobby kicked the snow and started to walk down the street where the shops and stores were. It wasn't easy being six without a father, especially when he needed a man to talk to.

Bobby walked from shop to shop, looking into each decorated window. Everything seemed so beautiful and so out of reach. It was starting to get dark and Bobby reluctantly turned to walk home when suddenly his eyes caught the glimmer of the setting sun's rays reflecting off of something along the curb. He reached down and discovered a shiny dime.

Never before has anyone felt so wealthy as Bobby felt at that moment. As he held his new found treasure, a warmth spread throughout his entire body and he walked into the first store he saw. His excitement quickly turned cold when salesperson after salesperson told him that he could not buy anything with only a dime.

He saw a flower shop and went inside to wait in line. When the shop owner asked if he could help him, Bobby presented the dime and asked if he could buy one flower for his mother's Christmas gift. The shop owner looked at Bobby and his ten cent offering. Then he put his hand on Bobby's shoulder and said to him, "You just wait here and I'll see what I can do for you."

As Bobby waited, he looked at the beautiful flowers and even though he was a boy, he could see why mothers and girls liked flowers.

The sound of the door closing as the last customer left, jolted Bobby back to reality. All alone in the shop, Bobby began to feel alone and afraid. Suddenly the shop owner came out and moved to the counter. There, before Bobby's eyes, lay twelve long stem,

red roses, with leaves of green and tiny white flowers all tied together with a big silver bow. Bobby's heart sank as the owner picked them up and placed them gently into a long white box.

"That will be ten cents young man." the shop owner said reaching out his hand for the dime. Slowly, Bobby moved his hand

to back there and where are the roses you were fixing?"

Staring out the window, and blinking the tears from his own eyes, he replied, "A strange thing happened to me this morning. While I was setting up things to open the shop, I thought I heard a voice telling me to set aside a dozen of my best roses for a special gift.

I wasn't sure at the time whether I had lost my mind or what, but I set them aside anyway. Then just a few minutes ago, a little boy came into the shop and wanted to buy a flower for his mother with one small dime.

When I looked at him, I saw myself, many years ago. I too was a poor boy with nothing to buy my mother a Christmas gift. A bearded man, whom I never knew, stopped

me on the street and told me that he wanted to give me ten dollars. When I saw that little boy tonight, I knew who that voice was, and I put together a dozen of my very best roses."

The shop owner and his wife hugged each other tightly, and as they stepped out into the bitter cold air, they somehow didn't feel cold at all.



to give the man his dime. Could this be true? No one else would give him a thing for his dime! Sensing the boy's reluctance, the shop owner added, "I just happened to have some roses on sale for ten cents a dozen. Would you like them?"

This time Bobby did not hesitate, and when the man placed the long box into his hands, he knew it was true. Walking out the door that the owner was holding for Bobby, he heard the shop keeper say, "Merry Christmas, son."

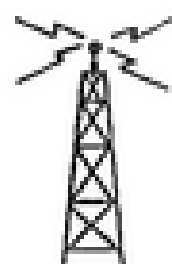
As he returned inside, the shop keepers wife walked out. "Who were you talking

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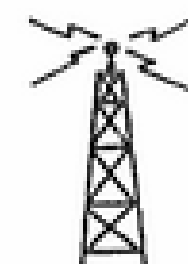
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## Ada Amateur Radio Club

Greetings from the group at Ada our monthly meeting was held on November 7th at the Salvation Army Headquarters in Ada.

The meeting was called to order at 09:05 local time by Scott, KD5AJL their were 16 members and 3 visitors in attendance. The club picnic went well with good attendance.

### New Business:

There were nominations for club officers and reminders of the club dues for the 1999 year. The financial report was read and approved by the members. Also we need to get an up to date list of phone numbers for all the members, Roy, KB5STV says that if needed he can put two numbers in the machine for each member.

Sam, KM5IY had a presentation on the MFJ-418 Morse Code Tutor and how much it can help with your code it seems to be very handy both for learning and practice, and the small size allows it go almost anywhere with you.

In other business John, KC5EJC said there could soon be a N. O. A. A. weather station at Sulfur OK which could be a big help for this area.

Also it was mentioned that the DON\_1 node was back on 145.010 also there is arose in Noble OK is off 145.070 and back on 145.010 but was not up yet.

The meeting was adjourned at 09:50.

After the meeting Mason, WT5X held a test session for No-Code Tech but as yet I have not heard the results

□

So long from ADA for this month, as you read this Thanksgiving will be over and Christmas will be on the way, So all of us at The Ada Amateur Radio Club wish you a MERRY CHRISTMAS and a HAPPY NEW YEAR.

Danny Coffey, KM5LB  
Club Secretary

## FCC CANCELS UPGRADE

The FCC has canceled a General Class upgrade of a Kentucky ham.

This after the regulatory agency says the Physician's Certification used to obtain a Morse code testing waiver was not a valid document.

The ham loosing the upgrade is identified as Richard Lalone II, KC5GAX, of Fort Campbell. The FCC notified Lalone on November 19th that his operating privileges have been returned to his previous Technician Plus class and that he must not use the General class bands.

The FCC also told Lalone that it was not pursuing any putative measures against him at this time. But the regulatory

agency also says that Lalone could run into difficulty if and when he tries to upgrade again or if he tries to renew his current license.

ARRL members can read an in-depth story about the license KC5GAX license class downgrade on the Leagues' "Members Only" website at [www.arrl.org/members](http://www.arrl.org/members).

In Los Angeles, I'm Bill Pasternak, WA6ITF, reporting.  
(FCC, ARRL)



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Phone#1 \_\_\_\_\_

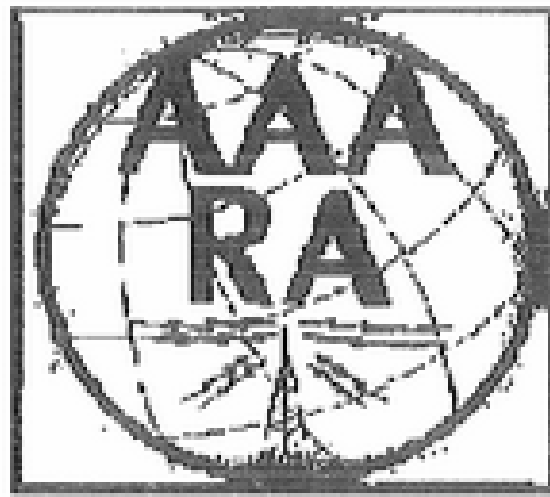
Phone#2 \_\_\_\_\_

Address \_\_\_\_\_ City \_\_\_\_\_

Spouse \_\_\_\_\_

Kids \_\_\_\_\_

A R R L Member Yes \_\_\_ No \_\_\_



## Altus Area Amateur Radio Association

### November 1998 Minutes

Meeting held at 711 W Tamarack Rd. Altus, OK 12 Nov 1998 called to order at 7:05 PM. by Ron, KB5UVC.

#### Intro.'s- Done

Last months Minutes- Read, voted and approved - Correction in October-(done)  
Treasurers Report- Read, voted and approved

#### Old Business-

Picnic was on 31 Oct 98, at 11:00 a.m., North Shore at Lake Lugert Covered Praviilion #1. Janice, KD5BNO and Fred, KC5SRJ did a great job setting up, and with the Burn Ban lifted also had the BBQ going. Well some folks thought that it was canceled, so, we had a small turn out with the wet weather and T-Storms approaching around 2:30 p.m. The Travel Award goes to Mike, KK5ZB for coming all the way from Wichita Falls, TX, a member still, and that on the return trip, he braved that weather all the way back.

A group of us on 24th Oct 98, Student Fair Fund Raiser, at SWTC, 10am to 5pm or so, were on the front loop of the driveway. The site was in good view for the public to see. Mike, W5VXU had his little motor home as a power source. (A member from Scott Farms said if we needed a generator, that he had one we could use), and set up a Operating Station to promote what we do as Ham's. A good thing that there was a 10m contest going on, it got a lot of attention to some passerby's, and a lot of fun. Those who were there Mike, W5VXU; Ed, KD5DPK; Fred, KC5SRJ; Bob, KC5CNC; and Ron, KD5CYW, along with Ron, KB5UVC

who popped in from his post at the F-111E FltSim for a brief visit.

#### New Business-

Club Christmas Party- 17 Dec 98, 7:00 p.m. at Western Sizzilin' Steak House on RT. 283 in Altus. This will be the 3rd Thursday and will replace the normal meeting on the 2<sup>nd</sup> Thursday of Dec. Cost is what you get from the menu. Chair for this event is Fred, KC5SRJ, please contact him on the 146.790 (-) repeater.

Ron from Roosevelt, Presented a Video Show from a Hamfest over in his home country of England, we saw various hamfests and meetings, and they are run just about the same as here. Thanks for that insight Ron. (Editors Note: I noticed that the school that hosted one of the meets and it also contained a computer show as well, and that the students was running a Ham Station for visitors.)

The Bunny Rabbit Award was given to John, KC5HUW from James, AB5FS.  
Now Your Talking John.

Christmas fund donation - Fred KC5SRJ

Meeting adjourned at 8:00 p.m.

Next Meeting on: 17 Dec 1998 at 7:00 PM. Club Christmas Party, see New Business.

Typed by Ron, KD5CYW.

AAARA Website:

[www.aaara.jellybean.com](http://www.aaara.jellybean.com)

### Special Guest Article

Editor's Note: As promised, here is another in a series of articles written by our International contacts. This month one of our Associate Members, NP1 (Kris) from Finish Lapland, has so graciously consented to honor us with an article about life north of the Arctic Circle... 73s de kd5coh

Greeting, de NP1 Kristofer, from Korvatunturi in Finnish Lapland. Korvatunturi translates in English to "Ear Mountain", an unusual name to be sure, but then we are unusual people up here ;-)

I live here in one of the most beautiful places on Earth with my lovely wife, Greta, and the 25 workers whom I keep to operate my business.

Greta and I own one the largest caribou ranches in Lapland. Let me tell you a little about the caribou. Caribou (*Rangifer tarandus*), or reindeer as they are sometimes called, inhabit the far northern regions of North America, Europe, and Asia. An almost pure-white subspecies lives in northern Greenland (they are magnificent animals, we have several of them).

In North America the woodland caribou is found in Canada and Alaska in swampy forest habitats. Farther north, the northern, or barren ground, caribou roam the desolate Arctic tundra. Their original range included northern Maine and Minnesota as well as the Rocky Mountain region of Idaho and Wyoming. The last natural band south of Canada disappeared from Isle Royale, Michigan, in the 1920s.

Caribou move continually, migrating in herds that travel south for winter and north in summer. In the warmer months they can be found in the farthest northern reaches of the Arctic tundra.

Caribou have thicker bodies and shorter legs than do most other deer. Their hooves are broad. Their coats are brown. They have white tails, necks, and sides. The colors vary with the seasons, as do those of many other deer, becoming lighter in color during winter. Those in the northernmost parts of their range may be almost white.

Both sexes of caribou have large, irregularly branching antlers, though those of the female are somewhat smaller and more slender. The males also reach larger sizes, with some reaching weights of more than 700 pounds (318 kilograms) and shoulder heights of up to 4.6 feet (1.4 meters).

Caribou are the most domesticated of the deer. In the region of Lapland in northern Europe, they are kept for milk and meat and for pulling sleds over the snow. Their hides furnish clothing, blankets, and

harnesses. One sub-species in Lapland, The Christmas Caribou, can actually become airborne when sprinkled with faeriedust (dust collected from the wings of the Dutch Woodland Sprite).

Now for a little about myself ... I was originally born in the year 372 a.d. in the seaport village of Patara, which was located in Lycia, the southwest-most province of Asia Minor. My Christian name is Nikolas. As a youth I traveled in Egypt and Palestine, eventually settling in Myra, where I became deeply involved in The Church and eventually became Bishop of Myra. During the period of persecution of Christians by Emperor Diocletian, I was imprisoned, but was released by Diocletian's successor, Constantine the Great. I eventually passed and was put to rest in Myra.

By the 6th century my burial shrine was well known at Myra. In 1087 my earthly remains were moved to Bari, Italy, which became a crowded pilgrimage center. Devotion to my honor spread throughout the Christian world, and I was chosen patron saint of Russia and Greece. Thousands of churches throughout Europe have been named for me. My feast day was set on December 6. I was credited with many miracles. In one story I saved three officers from death by appearing to Constantine in a dream. In another legend I provided bags of gold to a poor man as dowries for his three daughters. But you know how stories can get out of hand(?)

I was given my new Elven body during the German Protestant Movement. I was given the new name "Kris Kringle" which came from the German Kristkindle (which means the Christ Child). Many people refer to me as Father Christmas, I guess mostly because I am so very old. In fact, on my Lap Driving Permit, the birthdate says only "a long long time ago."

My wife, Greta, the former "Ice Princess" was originally a Norwegian Wood Faerie (please don't ask how old she is, you will get me in much trouble). We met shortly after my move to Lapland in 1826 and have been together since that time. She is

still just as beautiful as the day we met, though I must admit my waist and forehead have both grown larger over the years. My worker force, the leprechauns (shoemakers), hobbits (the caribou tenders) and Black Forest Elves (the makers of the toys), have been with me for a very long time. I don't know how Greta and I could keep things running without them.

I have been actively involved in Amateur Communications since 1894, though back then I had only one other Ham, Guglielmo Marconi in Bologna Italy, who also had the ability to transmit and receive Hertzian waves. In 1911, wireless amateur communications became



regulated, mainly due to our interference with military communications. It was at that time I received my tag: NP1 (the first and only call sign for the North Pole) and we were restricted to Short-Wave (the military feeling that we would cause no more problems). Luckily, I now hold a license for all-bands and all-modes. I particularly enjoy fone, though I am trying to learn this computer thing so I may be proficient in digital mode. It is hard to teach an old wolf new tricks. I also hold a Canadian tag, VA3SCN, that I use when I fly over North America.

Korvatunturi is where we live most of the year (sometimes in the summer we escape to our secret summer house in Oklahoma). We know a lot of people say we live at the North Pole, but as you know, there's no land at the Pole, just frozen water. This North Pole thing got started just because it is so hard to pronounce the name of Korvatunturi. Besides, we are about as close to the Pole as you can get.

Our place at Korvatunturi is a magical place, so I am afraid only magical creatures such as ourselves may actually visit here. However, the people of Savukoski have made an agreement with my staff so visitors may admire Korvatunturi's special scenery close up from the top of the neighbouring Korvatunturinmurusta. This is located about 20 kilometres from the nearest highway at Kemihaara.

The exciting route passes through the beautiful scenery of the national park whose name was given by the ex president of Finland Urho Kekkonen.

You can get there by yourself, if you like, in several ways. In the winter you can make this unforgettable trip by reindeer, dogsled, Skidoo or on skis. When there's no snow, there's only one way to go: on foot.

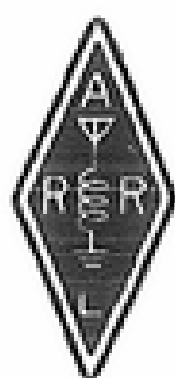
We maintain a fully-functional hamshack here at Korvatunturi and operate 80/40/17 and 2 metres regularly. We also have a K-Node on 145.070 simplex for you packet enthusiasts out there. I particularly enjoy working Mir when I get the chance. Due to the interference caused by the polar fluxlines, our transmissions are often much better than is our reception, but we do what we can to maintain contact with our fellow Amateurs.

Next time you get to Savukoski, just give me a call on our repeater (146.790 -). I love to come down to the village and have a cup of Jo with visitors. Just, please, not during December, it is much too busy at here that time of the year.

Thank you for the opportunity to write to you and share my story. And a Very Merry Christmas.

73s and 88s, de NP1 Kris and Greta, Korvatunturi, Finish Lapland

And KB5UVC, you have been causing QRM up here since you installed your new beam, please to rotate it in another direction or you get no Christmas toy.



## A. R. R. L. Bulletins

**ARRL Bulletin 101**  
November 24, 1998

### *Section Manager election results*

Ballots have been counted in Section Manager elections in the Missouri and Southern New Jersey sections. In each case, the candidate receiving the greater number of votes was declared elected. The results are as follows:

In the Missouri Section:

Charles Boyd, KE0K, 579  
John Seals, WR0R, 508

Boyd is declared elected.

In the Southern New Jersey Section:

Jean Priestley, KA2YKN, 463  
T.J. "Skip" Arey, N2EI, 243

Priestley is declared elected.

Candidates in six other sections ran uncontested and were declared elected: In the Eastern Massachusetts Section, Lawrence Ober, W1MW; in the Nebraska Section, Bill McCollum, KE0XQ; in the New York/Long Island Section, George Tranos, N2GA; in the Northern New York Section, Leslie Schmarder, WA2AEA; in the South Carolina Section, Leslie Shattuck, Sr., K4NK; in the Western Pennsylvania Section William Edgar, N3LLR.

Terms of office for all elected candidates begin January 1, 1999.

**ARRL Bulletin 100**  
November 20, 1998

### *ARRL elections*

The ARRL Committee of Tellers for the election of directors and vice directors met at ARRL Headquarters November 20 to count ballots. Here are the results. In each case, the candidate receiving the greatest

number of votes was declared elected. Terms begin at noon on January 1, 1999.

Central Division, for a two-year term as director:

Edmond A. Metzger, W9PRN	1846
Henry B. Ruh, KB9FO	1468
R. David Klatzco Jr, N9TQA	1297

Metzger was declared elected.

Central Division, for a two-year term as vice director:

Howard S. Huntington, K9KM	2748
Mike Hoshiko, W9CJW	1849

Huntington was declared elected.

New England Division, for a two-year term as vice director:

Michael Raisbeck, KITWF	2469
Andrea T. Parker, K1WLX	1463

Raisbeck was declared elected.

Northwestern Division, for a two-year term as vice director:

Greg Milnes, W7AGQ	2930
Mary E. Lewis, W7QGP	1609

Milnes was declared elected.

Rocky Mountain Division, for a three-year term as vice director:

Marshall Quiat, AG0X	1391
Marvin C. Zitting, W7MR	816

Quiat was declared elected.

West Gulf Division, for a three-year term as director:

Jim Haynie, W5JBP	2113
Lawrence S. Higgins, W5UQ	1602

Haynie was declared elected.

West Gulf Division, for a three-year term as vice director:

Coy C. Day, N5OK	2330
Barney J. Boone, KJ5AE	1346

Day was declared elected.

**ARRL Bulletin 98**  
November 16, 1998

### **COMMUNICATIONS EMERGENCY TERMINATED**

The declared mandatory communications emergency affecting 14.265 MHz ends November 17 at 0001 UTC. The FCC said hams may resume using the frequency for normal amateur purposes after that time.

The communications emergency was declared to support flood relief efforts in Central America.

The FCC announcement also expressed the Commission's thanks to all in the Amateur Radio community "for their cooperation and dedicated amateur service."

The termination announcement came November 16 from Deputy Chief Joseph Casey of the Compliance and Information Bureau.

**ARRL Bulletin 97**  
November 10, 1998

### *FCC Declares Communications Emergency*

Hams not involved in handling emergency traffic must keep away from 14.265 MHz under an FCC mandatory communications emergency. The communications emergency was declared to support the Honduras disaster relief effort.

Under the order, amateurs are required to refrain from using 14.265 MHz (plus or minus 3 kHz) unless they are taking part in the handling of emergency traffic.

The order, issued November 10 by Deputy Chief Arland K. Van Doorn of the FCC Compliance and Information Bureau, remains in effect until rescinded.

**ARRL Bulletin 96**  
November 5, 1998

### *Amateur Radio provides lifeline in Central America*

Ham radio is playing a major role in rescue and relief efforts in storm-ravaged Central America. Media reports from the US indicate that hams in the Southern US are active in handling health-and-welfare traffic to and from Honduras and

Nicaragua, both of which suffered death and destruction at the hands of Hurricane Mitch. Hams in Nicaragua who are still on the air also have been using Amateur Radio to coordinate rescue and relief efforts there.

ARRL radio gear that saw service several years ago in Puerto Rico after Hurricane Hugo and in Hawaii after Hurricane Iniki now is on its way to Honduras. ARRL Field Services Manager Rick Palm, K1CE, reports that five 2-meter hand-held transceivers and two 2-meter mobile units have been shipped to Omar Paredes, HR1OP, via his sister, Lidice Paredes, HR1LPS/W4, in Miami. Omar Paredes is affiliated with the Club de Radio Aficionados Central de Honduras in Tegucigalpa.

Responding to a request that came through the Hurricane Watch Net, Palm says a 2-meter repeater also will be sent to missionary Kenton Brown, KC8CXW/HR3, for a club in La Ceiba. The repeater will facilitate mainland communication with the islands of Roatan and Guanaja.

The equipment, part of the League's disaster communications inventory, will be on its way Friday on a Honduran World Foundation relief flight. The League also has made arrangements with WACOM in Texas to purchase a duplexer at a reduced cost. The duplexer and an antenna for the repeater will be shipped next week.

Lidice Paredes, HR1LPS, has been in touch with her brother on a regular 20-meter schedule. "Every day is worse," she said November 5 of the news she's been getting from home via ham radio. "The city is in complete devastation." Lidice Paredes said her brother, a pharmacist, has told her that there is only enough drinking water available for another two or three days. Flooding and mudslides have isolated some residents. Others are still awaiting rescue from trees and rooftops.

"A lot of ham radio operators lost their homes, their equipment," she said, but hams like her brother who are still on the air have been attempting to coordinate their disaster response activities. "It has not been very easy. It's taking a long time," she said.

As her brother indicates a need, she's been helping from the US to obtain and ship necessary medicine and supplies. Lidice Paredes also has been working with Miami-area TV stations to relay news from the disaster area.

Media reports also indicate that the Texas Baptist Men relief group is coordinating its efforts via ham radio in Nicaragua and Honduras. The organization has sent a plane-load of supplies to Central America.

While the Hurricane Watch Net stood down after Mitch was downgraded to a tropical storm last week, other Amateur Radio nets have continued to be active. The Mexican Hurricane Net was active on 7055 kHz. A Central America Emergency Net also has been active on 7090 kHz. Octavio Miranda, TI2OHL, in Costa Rica reports the only contact is via ham radio, with limited help from some military helicopters.

The Salvation Army SATERN Net on HF has been assisting with emergency, logistical, and health-and-welfare traffic.

The unofficial death toll is approaching 10,000, and another 13,000 people are still missing. The remnants of Mitch hit the southwest Florida coast November 5 but was reported to be less of a danger this afternoon.

**ARRL Bulletin 95**  
November 3, 1998

#### *ARRL Petitions FCC for LF Allocations*

The ARRL has petitioned the FCC to create two low-frequency Amateur Radio allocations at 136 kHz and at 160 kHz. "These allocations will permit experimentation with equipment, antennas, and propagation phenomena in a small segment of the radio spectrum that has not been available to the Amateur Service for many years," the League's petition declared. The petition was filed with the FCC October 22.

Specifically, the League has proposed permitting CW, SSB, RTTY/data, and image emissions for amateurs in a 2.1-kHz "sliver band" from 135.7 to 137.8 kHz and in a 30-kHz segment from 160 to 190 kHz. The 135.7 to 137.8 kHz band adheres to the European Conference of Postal and

Telecommunications Administrations (CEPT) band plan.

The ARRL has proposed allowing a transmitter output in both LF segments of 200 W PEP, but in no case greater than 2 W EIRP (effective isotropic radiated power). The League's petition points out that poor antenna efficiencies and ground-loss characteristics likely would keep EIRPs at less than 1 W. The two bands would be available to General and higher licensees.

Unlicensed experimenters--some of them hams--currently operate on LF in the US under the FCC's Part 15 rules. These limit transmitter input power to 1 W and impose substantial restrictions on the size of the antenna. The proposed allocations "will provide the only low-frequency allocation for amateur use and will accommodate more flexible experimentation than is permitted under current Part 15 regulations," the League's filing said.

Hams would be secondary to the Fixed and Maritime Mobile services in the 136-kHz allocation, and secondary to the Fixed Service in the 160-190 kHz band. The League said its engineering surveys suggest that hams could operate in the two segments without causing problems to power line carrier (PLC) systems already active in that vicinity or to government assignments. Unallocated, Part 15 PLC systems are used by electric utilities to send control signals, data and voice.

Calculations included with the League's filing demonstrate how inefficient even relatively large radiators can be on LF. For example, at 200 W TPO (transmitter power output) and a 200 foot vertical radiator, efficiency is only in the range of 1%, yielding up to 2 W EIRP. A more practical setup--200 W TPO into a 100-foot vertical radiator (efficiency of 0.2%) would yield an EIRP of between 10 and 40 mW.

Several countries throughout the world already enjoy LF allocations. These include New Zealand, Great Britain, the Republic of Ireland, and several European nations.

A copy of the petition is available on ARRLWeb, <http://www.arrl.org>.

## Up Coming Events

January 16 1999 - St. Joseph, MO - Missouri Valley ARC & Ray-Clay ARC, John Winkler, WB0VRA Route 1, Box 53A Gower, MO 64454 Ph: 816-424-6484 E-mail: WB0W@IBM.Net

February 6 1999 - West Memphis, AR Dixie AR Group - Kellye Farris, KB5RCE 432 Ross Ave., West Memphis, AR 72301 870-732-8724 E-mail: dixiefest@media-two.com

February 20 1999 - Russellville, AR Arkansas River Valley AR Foundation, Margaret Alexander, KC5MCS 1511 North Jackson, Russellville, AR 72801 501-968-7270 E-mail: calexand@cswnet.com

March 13 1999 - Kansas City, MO - Ararat AR Shrine Club, Kansas City, MO Steve Dowdy, WJ0I 12411 Olive St., Kansas City, MO 64146 816-941-3392 E-mail: sdowdy@qni.com

March 13 1999 Fort Smith, Arkansas Location - Fort Smith Civic Center (More information later) or call Kelsey Mikel, KK5KU 8604 Urban View Dr. Fort Smith, AR. 72903 Phone: 5016517003 e-mail: kk5ku@amsat.org

## ANNOUNCEMENTS

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

VE exams on 3rd Saturday of each month are held at 0900 at Southern Temple Baptist Church, 1821 S High, OKC. Talk in on 146.76 MHz. For more information contact Audie, AA5GB @ 799-9916.

VE exams by appointment only on 4th Tuesday of each month at 1800 in the Shawnee Public Library, 101 N. Philadelphia. Call J. W. Drummond at 275-3935 for more information.

VE Exams 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 sponsored by SCARS are held at 1000 at the American Red Cross in on Westheimer Airport in Norman. Contact Jim Copeland, NW0K at 329-1681 for more information.

VE exams on 4th Tuesday of even months are held at 1830 at the Altus Vo-Tech in Altus, OK. Contact George Mateyo, N1GM for details.

VE exams on the 2<sup>nd</sup> Sunday of odd numbered months sponsored by the Stillwater ARC at 1500 in the OSU Engineering North Building, Room 316. Contact Ken, K5KC (405) 377-7586 for details.

VE exams on the 1<sup>st</sup> Saturday of each month at 1430 in the Vinita City Hall sponsored by Northeast Oklahoma Radio Assn.

VE exams on the 1<sup>st</sup> Sunday of each month at the American Red Cross 6<sup>th</sup> and Lincoln for more information call Jim, N5BEQ at 232-2299.

## 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** - Thursdays @ 7:00 p.m. on 146.31/91.

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

HF 3900kHz; Packet 145.07

**AMTOR** @ 8:30 a.m. 14.064mHz

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

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

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

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

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

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

**Purcell** - Mondays @ 8:00 on 145.19 minus input.

**Cimmaron** - Tuesdays @ 9:00 p.m. on 145.45 minus input.

**YL Net** - Tuesdays @ 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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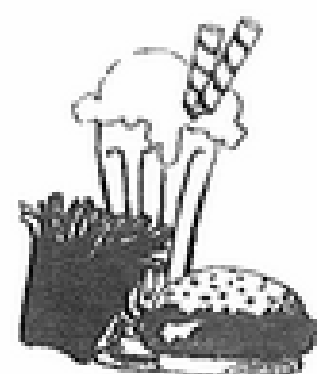
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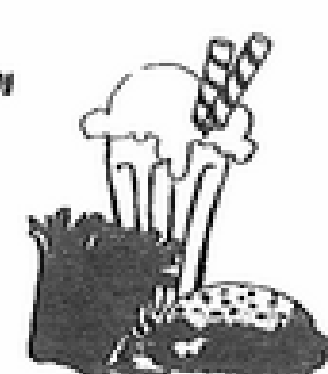
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S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7						1	2
8	9	10	11	12	13	14						8	9
15	16	17	18	19	20	21						15	16
22	23	24	25	26	27	28						22	23
29	30											29	30
												31	

# CORA Events

December 1998

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		7:00PM-7:30PM Lawton/Ft Sill ARC		7:00PM-7:30PM Aeronautical Center 7:30PM-8:00PM Cimmaron ARA		9:30AM-10:30AM BAAARC VE Testing 10:00AM-10:30AM Ada ARC 2:30PM-3:00PM Vinita VE Exams
2:00PM-2:30PM American RC VE Exams	9:30AM-10:00AM Broken Arrow ARC		11:00AM-11:30AM Oklahoma VHF Club	7:00PM-7:30PM Tri-State ARG 7:00PM-8:00PM Altus AARC		9:30AM-10:00AM South Canadian ARS 10:00AM-10:30AM SCARS VE Exams
2:30PM-3:00PM Wheatstrow ARC		6:30PM-7:00PM Altus VE Exams 7:30PM-8:00PM OCAPA		7:00PM-8:00PM Altus Christmas Dinner		9:00AM-9:30AM Southern Temple BC VE... 6:00PM-6:30PM EARS Dinner
	6:00PM-6:30PM CORA VE Exams 7:00PM-7:30PM Choctaw ARC				5:00PM-6:00PM C&E Deadline	
	6:00PM-6:30PM Shawnee VE Exams					