

# Collector & Emitter

A CORA Publication

**May 1996**

Volume 22, Number 05

Issue 255

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For Postal Information

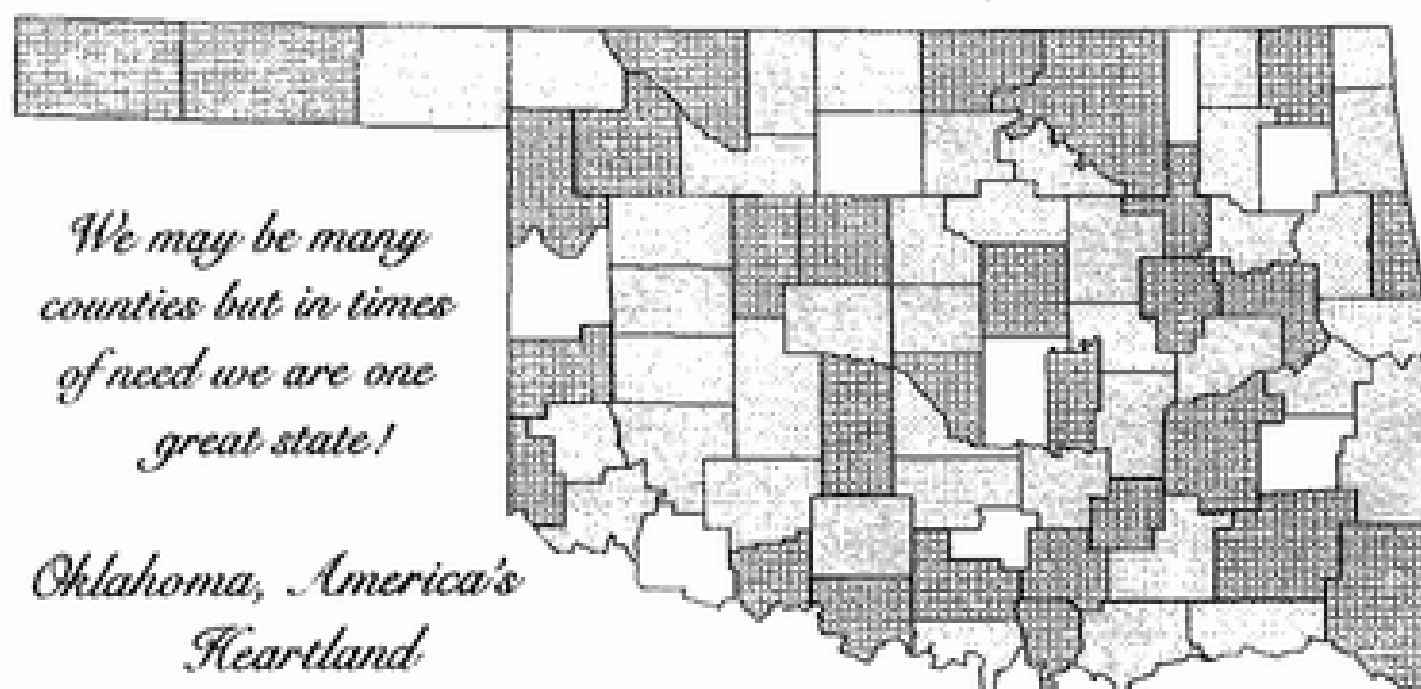
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**C&E Given Award**

**Letter From The Bombing**

**DX News**

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**Ten Tec Model 1220 Review**

Build your own 2 mtr rig

**FCC Getting Tough?**

FCC Reduces License Back to Novice  
Suspends Another For Bad Words

**FCC Okays Olympic Call Signs**

**The Dxpedition that wasn't?**

**Collector & Emitter**

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**Central Oklahoma Radio  
Amateurs, Inc.**

President: Harold Miller, KB1ZQ

V Pres.: Louis Kennedy, KC5ABI

Secretary: Forrest Rush, N5VWF

Treasurer: Perry Jenkins, KB5TOT

Dear Subscriber:

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:

2	96/12	2
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1234 SW 56th STREET		
RADIOVILLE, OK 74321		

The "2" means VHF Club, "96/12" means the year/month C&E subscription expires. The "2" is for postal zones.

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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.

**April 1996**

VOL. 22, No 4, Issue 254

**Collector and Emitter**

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<b>1. Aeronautical Center ARC</b> Meets: 1930L, 1st Thursday, FAA, S. MacArthur, OKC Pres.: Bob Kremer, WA9FCT 381-3182 VP: Chuck Bryant, KB5ZVZ 737-0423 Sec/Tr.: Brad Nelson, KJ0W 793-9470 Editor:	<b>11. Edmond Amateur Radio Society</b> Meets: Odd Months, 1400L, 3rd Sunday, Edmond EOC, Even Months, Dinner, 3rd Friday Pres.: Richard Winnard, KJ5QU 840-4237 VP: Edith Vaughn, KA5YPX 348-2961 Sec: Jim Ryncarson, KC5MJS 348-2643 Treas.: Clara Granger, KG5UG 341-2968 Editor: John Thomason, WB5SYT 340-1796
<b>2. Oklahoma Central VHF ARC</b> Meets: 1100, 3d Saturday, Ashley's Country Kitchen I-40 & SE 15th St., Del City Pres.: Jacklyn Olsen, KA5ENU 842-2305 VP: Ken Eason, KF5JS 789-2200 Sec: Joe Buswell, K5JB 732-0676 Treas.: Ellard Foster, W5KE 789-6702 Editor: Joe Buswell, K5JB 732-0676	<b>14. Cimmaron Amateur Radio Assn.</b> Meets: 1930L, 1st Thursday, WX5Y Playhouse 827 S. 13th, Fairview Pres.: John Medley, N5WVU VP: Kenneth Monahan, KB5SOM Sec: Dennis Painton, WK5V 764-3599 Treas.: Nadine Painton, N5FMH 764-3599 Editor: Kenneth Monahan, KB5SOM
<b>4. Oklahoma City Autopatch Assn.</b> Meets: 1930L, 3rd Tuesday, Salvation Army Bldg NW 50th and Penn, OKC (Back Door) Pres.: John Brassfield, N5SAM 685-8070 VP: Loyd Hargrove, AB5I 391-5723 Sec: Jim Richardson, N5OHL 524-0456 Treas.: Bob Kremer, WA9FCT 381-3182	<b>15. South Canadian ARS</b> Meets: 0930L, 2nd Saturday, Red Cross Bldg North OU Campus, Norman Pres.: Michael McEwen, KC5GJL 329-2615 VP: Mike Divilio Jr., KC5GRZ 360-3236 Sec: Randy Ridenour, WB5RWN 329-0967 Treas.: Sara Byer, KC5ABA 321-1673
<b>6. Altus Area Amateur Radio Club</b> Meets: 1900L, 2nd Thursday, Southwest Technology Center, Altus, OK Pres.: Mike Brown, KC5AWB 481-6665 VP: John Mealer, AB5WQ 563-9252 Sec: Lil Town, KC5CNA 477-4027 Treas.: Mart Dennis, KC5NAX 477-2988 Editor: Jim Arterberry, N5UJB 353-5722	<b>17. Ada Amateur Radio Club</b> Meets: 1000L, 1st Saturday, Basement Ada City Hall 231 South Townsend, Ada Pres.: Roy Throne, KB5STV 436-1019 VP: Dwight Myers, N0RIW 436-4755 Sec: John Burchett, KC5EZC 332-1063 Treas.: O. J. Collins, KC5DYN 332-7878
<b>9. Wheatstraw Amateur Radio Club</b> Meets: 1430L, 2nd Sunday, Location Varies Pres.: Leo Peil, WZ5H 886-2998 VP: Jimmie E. Payne, N5VDY 233-4215 Sec/Tr.: Joe Garland, WA5FLT 893-2660 Editor: Ralph Wilder, WA5PFK 623-5421	Room For Your Club's Officers Here! Do You Know Of A Club Not Belonging to CORA.  Please Help CORA Grow.
<b>10. OKlahoma DX Association</b> Meets: Hamfests and as announced in C&E. Pres.: Jim Hood, WV5S 405-732-6131 VP: Ross Hunt, K5RH 918-234-5050 Sec: Jeff Martin, K5WE 918-486-6493 Treas.: Mark Byard, N5OGP 405-762-1966 Editor: Mark Byard, N5OGP 405-762-1966	<b>Central Oklahoma Radio Amateurs</b> Meets: 1930L, 4th Tuesday, Salvation Army Bldg NW 50th and Penn, OKC (BackDoor) Pres.: Hal Miller, KB1ZQ 672-7735 VP: Louis Kennedy, KC5ABI 321-8992 Sec: Forrest Rush, N5VWF 842-8486 Treas.: Perry Jenkins, KB5TOT 354-5075 Editor: Harold Miller, KB1ZQ 672-7735

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# Central Oklahoma Radio Amateurs, Inc.

Minutes Of the C.O.R.A. Meeting for March 30<sup>th</sup>, 1996

The meeting was called to order at 1:30 PM by the president of CORA, Hal, KB1ZQ. Five clubs were represented with seventeen people in attendance as well as the VP of the AAARA, Johnny, AB5WQ.

The February minutes were accepted as printed in the C&E; the treasurer was not present and his report was given by the president and accepted by the board

**C&E Report.** People, we need your input to make the C&E your journal. If you know of any upcoming events, local swap meets, VE test sessions, or anything else you would like to see in the C&E, tell Hal or Linda; their address is in the masthead of the C&E.

**New clubs.** CORA has sent information to the Choctaw amateur radio club, the Shawnee amateur radio club, and to the QCWA, chapter 63. It is hoped that we will soon hear from them in the near future.

**Old business.** The insurance CORA maintains for participating members was discussed, each club will have an official contact concerning the insurance with their club.

**HH96** - Both the QCWA and OKDXA sponsor luncheons during Ham Holiday; CORA will work with them so that the luncheons will either be in the hotel/motel itself, or close to it.

**Prizes.** Five hundred dollars was appropriated to buy amateur radio kits from Ten Tec to give away as door prizes during HH 96.

**Tickets.** The ticket design should be nailed down by next meeting.

**Flyers.** This year the printing of the flyers has been donated by the Xerox corporation; we only have to provide the paper, which will save us about a thousand dollars.

**Security.** HH 96 is down on Explorer Post 13's calendar, and security is all taken care of.

**Logo.** We need a Logo for HH 96; bring your ideas to the next CORA meeting.

**Salvation Army.** As noted in last months minutes, there will be a Special Event Station for the anniversary of the bombing of the Murrah building. N5FM, the Salvation Army station, will be on starting at 9:02 am, April 19, 1996. If you want to operate, Contact N5FM, N5SAM, or KJ0W.

**Next CORA meeting.** The next meeting will be at Salvation Army Divisional HQ, NW 50<sup>th</sup> and Pennsylvania, at 7 PM in the evening on April 23<sup>rd</sup>. Hope to see you there.

There being no further business CORA adjourned until the next meeting.

Minutes of the CORA meeting of April 23<sup>rd</sup>, 1996.

The meeting was called to order at 7:37 PM by the president of CORA, Hal, KB1ZQ. Five clubs were represented with eighteen people in attendance.

Introductions were made and the secretary's minutes were read, discussed, and approved without objection. The treasurer's report was read, discussed and approved without objection.

**NEW CLUBS.** Hal, KB1ZQ and Linda, N1LPN, representing CORA made a presentation to the Altus Amateur Radio Association On April 12<sup>th</sup>. At that meeting Altus voted to join CORA, and on the 23<sup>rd</sup> of April CORA voted to accept Altus unanimously. At the same meeting, the Choctaw Amateur Radio Club was granted approval to rejoin CORA, pending a vote in their club. Welcome!

**C&E Report.** Hal reported that the C&E is doing well, having won an award for Excellence from the Amateur Radio News

Service. More articles are needed, particularly requests from the Old Timers among us; also we need more technical articles. If someone out there has built a kit, improved a radio, we would like to have you tell us about it. The Editor's address is the masthead of the C&E.

**Non Profit status.** The president reported that CORA now has its own tax number, and is now on its way to becoming a legal non profit organization. The implications of this were discussed.

**Insurance.** The insurance bills were discussed. Our insurance company bills us per tower. Each covered tower costs the same.

**Ham Holiday 96.**

**Dealers.** At present three dealers have bought tables and tickets for Ham Holiday. WB0W is coming, Caps Unlimited is coming, and The Toolman is coming.

**VE Testing.** That is firming up nicely. For those interested ONLY in the VE testing, there will be no charge to get in for the test session. If they want to attend Ham Holiday they pay for their ticket like everyone else.

**Programs.** We definitely will have an AMSAT program, A program on Packet Radio, a program on Antennas, and a program by the Wireman. There will be a Fox Hunt, with the winners getting gift certificates. We are trying to get Gary England's Terrible Twisters program, and hope to have both NOAA and the Severe Storms Lab at HH96.

**Flyers.** This years flyers were discussed. There are over 8200 hams in Oklahoma, and the format of the flyers was discussed.

**Tickets.** The tickets are at the printers; then they will be perforated. They will be ready by April 26<sup>th</sup>.

**Scholarship drawing.** This year, as in previous years, there will be a scholarship prize. The lucky winner will receive a transceiver kit from Ten- Tec this year.

**Prizes.** CORA has ordered the following prizes from Ten-Tec; a 2 meter HT RF Power Amp., a 9 Band Shortwave receiver kit, a SWR Bridge/RF wattmeter,

a 2 meter Transceiver kit, and a 6 meter transceiver kit.

**Talk In.** Talk in for amateurs was discussed. CORA will use 146.220/820 as the talk in frequency.

**Hotel/Motel.** The official CORA hotel will be Ramada Airport NW at NW39th expressway and N. Portland in OKC.

**Next CORA meeting.** The next meeting of CORA will be at the Salvation Army's Divisional HQ's at NW 50<sup>th</sup> and N. Pennsylvania at 7:30 PM on the 28 of May, 1996. *Be there!*

There being no further business CORA adjourned at 9:30 PM.

Respectfully Submitted,

Forrest Rush, N5VWF  
CORA Secretary

## C&E Given Award

Back in October, it was brought to our attention thru an ARRL bulletin that there would be a contest, sponsored by the Amateur Radio News Service, to rate amateur radio club's newsletters. The staff here at the C&E grabbed one of our usual issues and proceeded to forward the issue to the competition.

After many months of waiting, the results have been sent to us. Although we have some minor problems in different areas the over all rating was an Excellent. In the package there were rating sheets from the three judges and their comments.

The Collector and Emitter was commended on their status as a multi club newsletter. There were some criticisms on things that need to improve but overall the newsletter was well received.

The format of the newsletter will remain the same, however minor changes in format and appearance will come of the comments brought up by the judges. This competition was not to judge the best newsletter, but to assist editors to improve their publications.

The Amateur Radio News Service is a group dedicated to helping local newsletters to improve their publications. Membership is by the editors of the newsletter and not by the club.

The Collector and Emitter has won this type of award in the past when Joe Harding was editor, back in the early days of the C&E.

All of the persons sending articles in to be published are to be congratulated on helping the C&E win this recognition.

## From the President;

Well, it has been a while since I last wrote to you and let everyone know how things are going in CORA. Our organization is growing, we wish to welcome the Altus Area Amateur Radio Club (AAARC) back into our group. There are several other clubs also inquiring on the requirements to join.

Ham Holiday '96 is slowly progressing and coming together. Tickets are being printed as we speak, dealer replies are arriving in the mail. Plans for future advertisements are going out.

Programs are in the mill, both technical and non technical. Some of these include fox hunt, AMSAT, a beginners packet program, an antenna class using simple materials, and possibly the Wireman will do a talk on cable.

Non technical programs are Bingo, possible Tae Kwon Do demo, the 3<sup>rd</sup> Combat Comm with different communications equipment relating to ham radio. And there have been others brought before the board as possibilities.

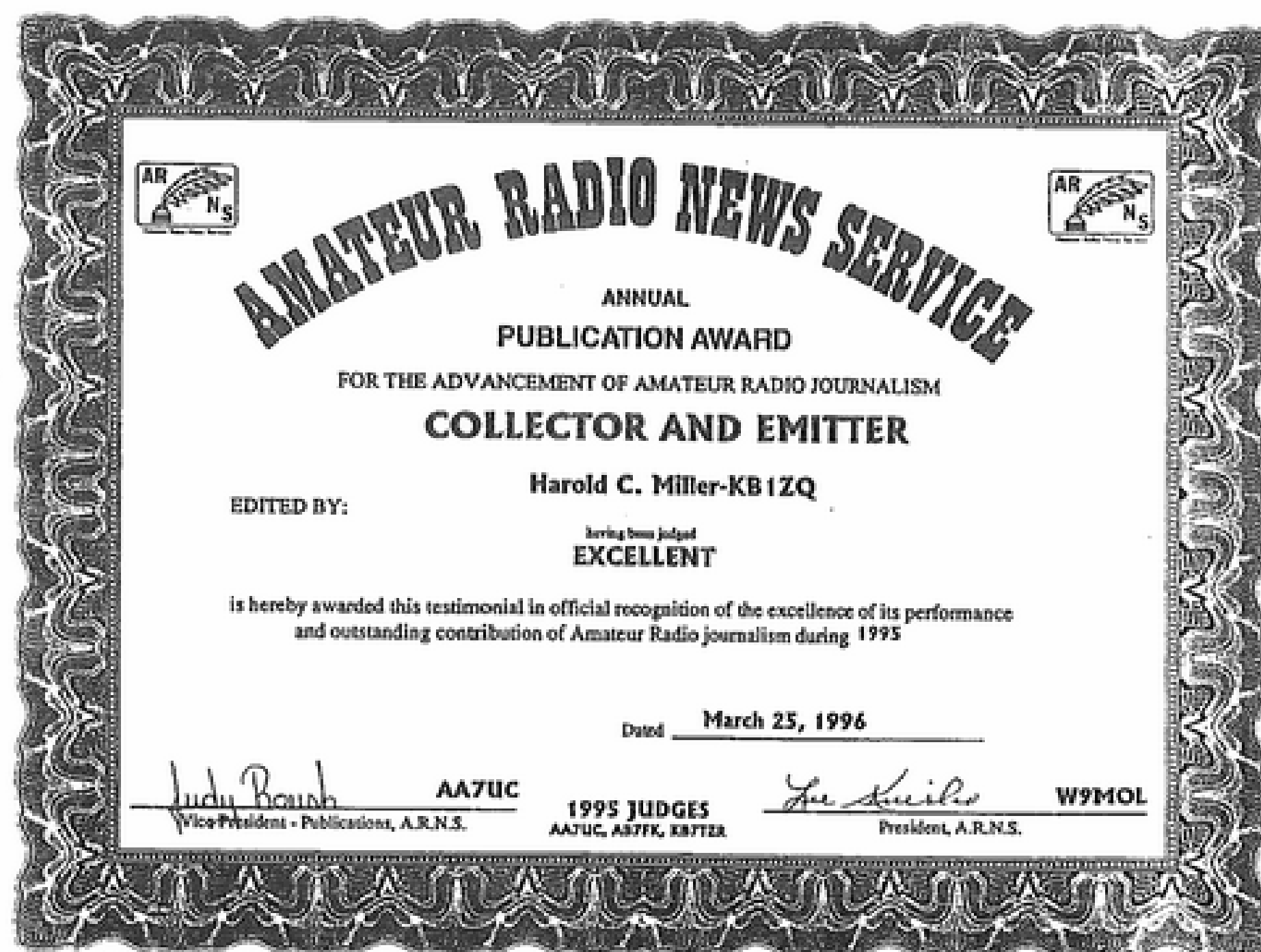
I have had questions from different individuals reference assisting with this years hamfest, my advise is if you want to help then show up at a CORA meeting. We will not turn down any assistance given. Rumor has it that we may have help coming in from out of town, i.e. Warrensburg, MO, but that is only a rumor at this time.

On another note CORA is one step closer to becoming a full non profit organization. Last month we received our IRS tax number for CORA. This is the first step in filing for non profit status with them.

Well that's all for now, keep up the good work and make amateur radio a great hobby.

73,

Hal, KB1ZQ  
CORA President





# Chit-Chat

by Linda, NILPN

Hi! I hope everyone is enjoying the warmer weather and sunshine. I have been busy with HH96 planning, beading, and trying to come up with topics for this column.

As promised last month, I will give you a sneak preview of some of the Non-Tech programs being planned for HH this year. In the past few years programs have been absent from Ham Holiday and I have been told by some that no one is truly interested in them anymore. Others have stated that programs are important because they give information, provide a ham an opportunity to check out new ideas, and gives a person a chance to sit down for awhile.

We are providing programs this year that we hope will be an interesting variety. On the Non-Tech side of programs we have the following programs confirmed. Bingo will be again held and is free for all wishing to play. A craft demo is planned, topic still pending. A request was made on a class to teach the Art of Soldering and we have three brave hams willing to teach this skill to all wishing to learn.

Programs still being worked on are as follows: please keep in mind that these are possible and may not be offered if arrangements do not jell. One program is a round table forum concerning nutrition and trying to discover what 'healthy eating really means.' Another forum is with a 'code talker' from WWII. The code talkers are people that lived history and played an important role in winning WWII.

Another special demo program is in the process of being arranged and one you will not want to miss. It originated in Korea and is centuries old. An informal Ladies Tea Time has been suggested but we must see if the Fairgrounds will permit us to have one or not. (They are the ones that set the rules. We will let you know what they say concerning the idea of an informal area set aside for ladies to meet,

share ideas and just discover what is out there in hamland for us.)

For now that's what we have in the plans for Non-Tech programs. It is not too late to add your ideas and thoughts to this year programs. We are always in need of help and input.

The recipe for this month is for those wanting to try something daring, test their courage and eat the rewards.

Fried Snake is a recipe I was able to get at a recent Altus club meeting. As a club fund raising project this club sells ice at the annual Rattlesnake Roundup held the last weekend in April. The person that gave me this recipe has been part of the roundup for over 20 years. I didn't write down his name and should have, I apologize. He knows who he is and I would like to thank him personally for taking the time to share this recipe with me, Thank You!

## Fried Snake

(Instructions on preparing snake was given by my dad, Harold Stewart)

First read up on First Aid concerning rattle snake bites and have a snake kit on hand if needed. Next, you need a good size rattlesnake, about a 4 to 5 footer. Carefully, using a very sharp bowie knife, chop off the head, DO NOT TOUCH THE FANGS OR GIVE TO A PET TO CHEW ON!!! Those fangs still can pump poison into a finger or hand, that head is still deadly and needs to be thrown away. Cut off the rattlers and these you can keep. Next, skin your snake, carefully as if you were taking off a pair of panty hose or socks.

Check the meat for any discoloration. Cut around these areas and throw them away. If the discoloration is mushy, smells funny, or covers a good part of the meat, you stop here and throw out your snake. Better to play it safe than be sorry later. If you have a large bump that moves, you got problems, its a female and that movement is baby snakes that are as deadly as mom was. Rattlers are live bearers and not egg layers. Do not try and cut open this snake, you will end up with

a lap of baby rattlers! Better get rid of it and find another snake.

Boils on the skin should be cut away without rupturing it, make sure you cut at least an inch or two if good meat with it, and throw it away. Gut your snake and remove backbone, and throw away. Cut meat into bite size 2 inch chunks. Your ready to cook!

You will need Oil heated in a deep fryer to the temperature of 350 degrees and kept very hot. A batch of a good Beer Batter for dipping the meat in and a few paper bags to drain the meat on once it is fried. You dip the meat into the batter, drop it into the hot oil, cook it for 10 to 12 minutes (if it turns black you've burned it). Remove from oil and drain on paper bags until cool enough to eat. Enjoy!

This recipe is a very good one and easy if you can get someone else to prepare the snake for you. I used humor in it so you might remember the important facts and safety. Being bitten by a snake is not an experience I would recommend everyone have once in their lifetime. I was blessed with a dad who taught me to respect nature and the animals we share this planet with. We kill animals for food and for protection, not for sport. Some may feel that rattlesnake round ups are cruel but they are necessary for ranchers and farmers, it is a control management program. I have been bitten by a rattler as well as a few non-poisonous ones. I have had a rattler show up at my front door and fall asleep on the doorstep. I have been chased by a Cottonmouth while out fishing as a kid with my dad, they are mean too. My craziest stunt was when my dad and I caught a Coral Snake and placed it into a used lettuce bag. We donated it the San Antonio Zoo because theirs had died and they could not find anyone who had one. They are rare to find too, very shy creatures.

My point is that summer is here which means snakes are out and trying to do what snakes do. They move into housing areas because they have no where else to go. NEVER TRY TO RUN A SNAKE OVER WHILE DRIVING! THEY HAVE BEEN KNOWN TO HITCH A RIDE

UNERNEATH THE CAR AND STRIKE YOU WHILE YOU STEP OUT OF THE CAR! People have a habit of killing everything that moves along the ground, fearing it. Some snakes are good to have around. The King Snake for example will eat any rattler its size or smaller, nice snake to have, huh. Anyway, if you do happen to manage to try this recipe you will find its good eating...

For closing, I will leave you with a story that will bring a smile to your face and just maybe a chuckle or two...

A friend was having trouble getting her company to go back to their home. They had been visiting her for over 2 weeks and were eating her out of house and home. They were on vacation yet never offered to help her pay for anything. She came up with a solution to solve her problem. She got a bunch of chicken breasts, cut them into chunks, fried them up and told everyone that she was feeding them the snake she had killed earlier in the back yard, she was running out of food so had gone hunting. You can guess the reactions she got.

That night, at 2 am, wearing a flannel shirt, jeans, wading boots, carrying a mop bucket containing a fish net, a spear, butcher knife, and flash light, she turned on all the lights in the house. She woke everyone up and said they were all going 'frog gigging' or there would be no meat for dinner that night.

Her company left that morning and refuse to visit her again, they think she's crazy! They also claim she tried to kill them by feeding them snake during their visit. She's very happy, doesn't miss the company, and smiles every time she remembers how she cleared out her home of unwanted guests.

Until next month, enjoy life small pleasures. NILPN

**THINK**

## Letter from the Bombing Victims

In honor of the memory of the bombing here in Oklahoma City, we run the following letter from the survivors and families of victims:

*An open letter commissioned by the Oklahoma City Murrah building survivors Association, Inc., With input from Oklahoma city victims' families and other survivors*

Thanks to all of you across our indivisible nation and those parts of the world who Have supported us in your thoughts, prayers, gifts, and expressions of sympathy. Your generosity, kindness and love have helped in our healing. We will never forget what happened one year ago. Nothing can take the places of those who were killed. Each in his own way continues his or her struggle toward resolution of these losses. Like you, when you have experienced losses in your lives, we are no longer the same. But like you, we choose to focus as best we can and go on with our lives.

We saw the goodness of our neighbors before April 19, but starting at 9:02 a.m., a special goodness was observed when those who were able, without hesitation, helped friends and co-workers out of the bombed buildings. We felt goodness first in our city, then in our state, our nation and even from world neighbors. Goodness continues to visit us with future offers of kindness from the people of Denver.

We now ask each other and all of you to direct a portion of goodness toward a renewed commitment to civil discourse through non-violent means. We have observed that non-violent means are the best tools for change in our society and government. We ask that all of us work at showing respect for each other including government employees at all levels, both as human beings and public servants - even when in disagreement with each other, or a government program or rule.

As the trial approaches for those accused, we ask all to remember this trail is about 168 innocent people who were murdered. We ask your help to honor their lives and contributions. Another of the many ways we each could honor them is for all of us to continue to strive for a fair and competent - "better system of justice." Let's never forget victims' families, survivors, rescue workers and those injured, who are in different stages of recovery.

Finally we ask, in remembrance of the victims and as a call to responsible citizenship, that you join us in a moment of silence at 9:02 a.m.; vehicles headlights be on and places of worship ring bells across our land. Again, we thank you for all you have done, and for what we'll do together in the future as we plan and build a physical memorial.

Dr. Paul A. Heath  
President Oklahoma City Murrah  
Building Survivors Association, Inc.

Jim Nolen  
Enrolled Agent

Jimmie Nolen  
Steve Moore

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## VHF Club NEWS

W5LOW  
Elmer Goekler Memorial  
Station

### Minutes of April Meeting

I was on the sick list again so Jerry, KD5IS, kindly took the minutes for me. Thanks Jerry. Meeting was called to order at 12:03 p.m. by President Jackolyn, KA5ENU, with 16 members and guests present.

Treasurer Ellard, W5KE, gave his report. He also reported that there are now 59 full members and two family members. His report was accepted by motion.

J.R., KB5WVE, took pictures of the group present for the Callbook. The club offered to reimburse him \$10.00 but he declined it, saying that he would contribute that to the club.

Ellard, W5KE, gave the CORA report. Also when discussion about watermelon feed plans came up, Ellard volunteered to chair it and talk to the Aeronautical Center club about making it a joint event.

Meeting adjourned at 12:11 p.m. It is noteworthy that Bill, K5JVD, was present and joined. Glad to have you aboard Bill. Also, Fred, W5NL, was on the sick list. Hope he and I both can attend the next meeting.

Joe, K5JB, Sec'y

### Interesting Digital TV Comments

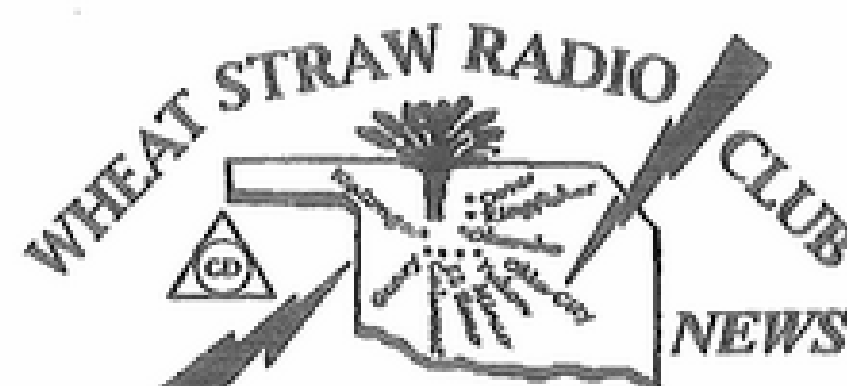
I agree that this isn't the place for a lengthy debate on the merits of analog vs digital TV, but before this little tangent draws to a close, I'd like to toss in some comments that do relate to spread spectrum.

Henry claims that conversion from analog to digital TV would be enormously expensive - for one thing, receivers cost something like \$3500. He's right, no doubt... but only in the context of professional broadcasting. Let's try and look at a more relevant context: transmission of digital video by radio amateurs. He equates digital video

with HDTV, and then uses that to show that it would be far too expensive for amateurs to convert from analog TV to digital. This is somewhat analogous to saying that it would be impractical to convert from horse and buggies to automobiles because Ferraris are too expensive. HDTV is at the extreme end of a wide range of digital video techniques that range all the way down to videoconferencing systems which can do a passable job of transmitting full-motion video at land-line and medium-speed packet bit rates (19.2-56 kbps). Obviously, you trade off quality (resolution, frame rate, color depth, etc) to get to the low end, but the fact remains that remarkably useful video links can be set up which use two orders of magnitude less bandwidth than an NTSC signal. And quality improves rapidly as you increase the bit rate.

Hams are supposed to be communicators, not broadcasters. They do not need to follow the practices of the broadcast industry. Radio broadcasters still use AM, but despite AM's superior audio quality, hams (except for a few diehards) have switched to SSB, since it's a more efficient and robust method to transmit voice signals. I think a similar transition should be taking place from NTSC TV to digital video in the ham bands. Consider the fact that a single ATV user transmitting in the 70cm band is monopolizing 30% of a prime band (in Canada, or parts of the US, where only 430-450 MHz is available), using a modulation technique which is more than half a century old, and which is totally intolerant of spectrum sharing. Consider how many users could be transmitting digital video at say 56 kbps in that bandwidth, using either narrowband packet or spread spectrum (using CDMA and the superior spectrum reuse properties of digital signalling). Consider the ease with which those users could internetwork over long distances via a variety of media. You get the picture (pun intended!)

I seriously doubt whether many amateur video applications require broadcast-quality video - again, we're not broadcasters! The main reason that analog video continues to prevail on the ham bands has to be cost - NTSC equipment is ubiquitous and relatively inexpensive. I think a couple of



### Wheatstraw March Meeting

The plan was to hold our meeting during the caravan to Mooreland April 14 but there were only 6 voting members and one associate member attending so there was no quorum. Next meeting will be May 19, weather permitting, at Red Rock Canyon at 1:30. It will be a covered dish dinner and everyone is invited. Joe, WA5FLT, Secretary.

(Continued from column 2)

things have to happen to kickstart the transition to digital:

- 1) The ATV folks have to break away from the notion that video has to be equivalent in quality to broadcast NTSC for them to do their thing (whatever that is), and to start to appreciate the advantages of digital video transmission.
- 2) Packet systems operating at 56 kbps and up have to become more available and affordable. 56k is still on the rise, but the real promise for bit rates of this order and more is in spread spectrum. You could do impressive digital video with some of the ISM band SS modems, but we really need a homegrown amateur SS modem that's cheaper and has more processing gain than most of the ISM stuff.

As for other digital video equipment, most hams already have PCs with monitors which are superior to NTSC resolution, and with combination camera/video capture devices under \$100 at the low end, this stuff is becoming more affordable all the time. I'll grant that digital video isn't going to take over applications like balloon-launched ATV anytime soon, but it should start making inroads in other areas, and the sooner, the better.

Not trying to be argumentative, just stating my humble opinion. (From a Spread spectrum message.)

Barry, VE3JF



### Oklahoma City Autopatch Association

#### OCAPA Minutes April 16, 1996

Meeting was opened at 7:30 PM by president John, N5SAM. Congratulations to a new ham Butch, KC5TVQ. Welcome back to Bill, K5JVD who has re-joined the club. There were 29 members and 1 visitor.

Treasurer's Report: Bob, WA9FCT gave the report on the club current financial status. Treasurer's report was approved.

Secretary's Report: Club secretary Jim, N5OHL read the minutes of the March meeting. Minutes were approved as read. (Thanks to Loyd, AB5I for taking minutes during my absence).

Field Day: Chuck, K5NK called for a planning meeting on Friday May 3rd. Don reported that the EARS club has two generators for field day. We will probably run two CW stations and one phone station. Logging may be a combination of paper logs and computer logs. Ed, WA5YDF stated that the club equipment is ready to go.

Scholarship Report: Don, KC5BRO and Carol, KC5EXR said that a few applications are already in.

Technical Committee: John, N5SAM

reported that not much is new. Repeaters are working fine.

CORA Report: Hal, KB1ZQ reported that it looks like the Altus Club is going to join CORA. Hal passed around a certificate from the Amateur Radio News Service that gave an "Excellent" rating to the C&E.

Old Business: Leonard's tower has been taken down. Teresa passed out some great-looking shirts. It's still not too late to order shirts and hats.

New business: Tom, WA9AFM showed a 5" patch from USA Industries commemorating all the efforts during the April 19th bombing. Included on the patch was "ARES". Patches are available for \$ 7. He also read a letter from the OK victims survivors that will be read just after the 168 seconds of silence on Friday 19th.

Meeting was adjourned at 8:35 PM.

Jim, N5OHL  
Secretary

#### Upcoming OCAPA Events:

In case some of you haven't been able to attend a meeting lately, plans are underway for this year's Field Day. Chuck, K5NK, has selected Deer Creek as this year's operating location. OCAPA will join forces with FAA, EARS, and OKDXA. Chuck is organizing a planning meeting soon, so listen on 82 for the time and location. The class and number of stations we'll operate is still open for discussion, however, it will probably be the same as last year. The primary mode

for the CW station will be manual, similar to our methods last year. We will make sure anyone wishing to operate gets a chance. If you've not contacted Chuck to determine what equipment is needed please attend the planning meeting. I encourage everyone to "pitch-in" so that no one person becomes exhausted with field day responsibilities.

Novice/Tech operators remain in short supply, so if you fall into that category please make a special effort to come out to field day and join in the fun. It is an excellent way to proceed toward upgrading your license. As always there will be lots of good food, fellowship, and you might even learn how "not" to raise towers and antennas. Loyd.....AB5I

#### DXCC COUNTRIES II

*This is another one for people who don't like cryptoquotes. In this list are active DXCC countries.*

*See how many you can match with their correct prefixes without looking them up.*

**Happy Dxing!**

- |                      |       |
|----------------------|-------|
| 1. Monaco            | OD    |
| 2. Singapore         | A7    |
| 3. Portugal          | HB    |
| 4. Switzerland       | VR6   |
| 5. Lebanon           | FO    |
| 6. Bangladesh        | S2    |
| 7. Chad              | 3A    |
| 8. Syria             | CT    |
| 9. Paraguay          | YK    |
| 10. Georgia          | ZP    |
| 11. Qatar            | 4L    |
| 12. French Polynesia | ZL-ZM |
| 13.                  | TT    |
| 14.                  | CU    |
| 15.                  | 4L    |
| 16.                  | 9V    |
| 17.                  | VK    |

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## Edmond Amateur Radio Society

by Edith, KA5YPX

MAY 1996

Welcome to our newest member of the club, Keith Morrison KC5TPC. If you hear him on the air wish him a big welcome.

The City of Edmond has a new Communications Director. His name is David K. Barnes. (at least we don't have to learn a new first name!) David attended the board meeting April 10th. It was a chance for us to get to know him & for him to meet us. Many ideas were discussed. The board meeting went well thanks to Richard KJ5QU who kept us all in line.

Kevin N5USQ (present EC) needs help. He needs someone to be available for net control on Fri. Sat. & Sun. His job prevents him from being able to do a net if there was a need for one. If you would like to do this give him a call at 341-4359.

We now have another day that you can go to the club station. John WB5SYT will be there on the third Monday (his net nite) from 6:00 pm till 9:00 pm. If you can make it you can even see that "Big Chief Tablet". I have heard about it but have never seen it. It must be big as John has been doing a net for a long time.

I have heard something about "radios to borrow". Dee WD5FHR is working on this project. Sounds like a great idea to me. There will be more details on this to follow.

The MS WALK-A-THON went well. March 30th was a beautiful day for a walk. I will say that the people who sponsored the walk were well prepared.

Richard KJ5QU was net control assisted by Toni KK5LH. Dee WD5FHR did a good job getting it all set up. Bill K5SKA, David KC5KJE, Joyce KC5NBI, Ernie K5YKD, Terry KC5GDC,

Jay KB5LDH, Jim KC5MJS & his wife Karen, Lee KA5WIS and Edith KA5YPX all manned the rest stops. Clara KG5UG was the person to ask about the race. She was one of the walkers. She walked the whole race and was looking for another. Good job Clara. We did have a couple of close calls, 1 lost couple, 2 lost kids and a drive by shooting in the area. Everyone was reunited and all was well before the race was over. Dee WD5FHR thanks every one for their help.

Sunday April 14th EARS provided communications for the 17th Annual Crosstimbers Enduro motorcycle race. The weather started chilly and just got colder and windier. Lee KA5WIS, John WB5SYT, Pete KC5SXX, Curtis KC5GEP, Dave K0TYC, Pat N5SGV, Bill K5SKA, Matt, KC5QQG, Jim N5OHL, Ron N5PLI, Clay KC5NVK & Jim KC5MJS provided communications at check points along the track. There were numerous accidents but none were severe, but did keep us on our toes. John WB5SYT & Lee KA5WIS would like to thank every one that helped out and braved the cold.

David KC5KJE has a generator for the club to use whenever it is needed. It is even attached to a trailer so no one has to be lifting it. Just in time for Field Day!!

Two new antennas have been installed at the club station. A Cushcraft R5 and a Fresnel dipole and from what I hear they are great. Contacts are being made right and left. And no more tune ups.

Joyce KC5NBI reports that there were quite a few applicants for the Bertha Watson Scholarship. The applications are being reviewed and the winner will be announced at Ham Holiday 96. Thanks Joyce.

The next event coming up will be the Mayfest in Edmond. It is sponsored by St.

John the Baptist church. It will be May 5th at 2:00 pm.

The dinner at Pepe's was Saturday April 20th at 6:30 pm. There were about 30 members present. There was lots of chip, dip and almost as much conversation. Carole KC5EXR was present and reported that many members had passed the CPR course. Congrats!!!! CPR is a very good thing to know.

Did you know dept: If you give your ARRL membership to Clara KG5UG she will mail it for you? You aren't a member??? I bet Clara has a form to fill out.

The next board meeting will be held Wednesday May 8th 7:00 pm at the EARS club station. Come on down, your input is important.

The next meeting will be Sunday May 19th at 2:00 pm at St. John the Baptist Church, 9th and Litler in Edmond.

Don't forget the MONDAY NIGHT NET at 8:00 pm every Mon. Check in and let us know you're there. Also there is an informal get together on 10 meters after the net. The exact frequency is announced on the net. You can now check into the net on your packet rig. The frequency is 145.07mhz.

Every Saturday morning we have breakfast at Gambles Country Kitchen at 8:30. The food is good and there is at least 3-4 different conversations to join. The club station is usually open for a while after breakfast. Come and join the gang.

The birthdays for May are:

KA5AGM	HAROLD
KG5UG	CLARA
KC5GFX	EVELYN
N5PYV	DONNA
KJ5UI	KENT
N6CL	JOSEPH
KA5WIS	LEE
KC5OXM	TIM
KB5HWI	STEPHANIE
KB5YHX	BEV
W5ERY	ALLEN

**HAPPY BIRTHDAY TO YOU!!**



## OKlahoma DX Association

### FROM THE PREZ

Hello everyone! I hope everyone is doing great. Spring has finally arrived and it's time to build (or rebuild) those antennas.

I have made plans to attend the Dayton Hamvention this year. It is the greatest. If you are able to attend, be sure and make some of the DX/Contest hospitality rooms at the Stouffer Hotel in the evenings. They are crowded with DXers and Contesters from around the world.

I have little activity to report since I was in California for 2 weeks this month. I hope to be able to operate the CQ WPX CW Contest beginning May 24.

It looks like I will be in California again during Field Day and will miss the local activities.

Please send your officer nominations to Mark, N5OGP. The election will be held at Ham Holiday in July. I hope to see everyone at one of the upcoming events. 73. Jim, WV5S

### TREASURER'S REPORT

#### Membership

The current membership stands at 84 as of this writing (23-Apr-96). Remember our new membership options: Family, Senior and Handicapped. New members may prorate their dues by quarter. See last month's newsletter for a rundown on the changes.

#### Rosters

Several members who are unable to attend hamfests have asked for updated rosters. I am planning on sending out a roster and Treasurer's report to the full membership. The postage will be donated.

### THE CONTEST CONTINUUM

by Coy Day, N5OK

Building a Contest Station Without a Lot of Bucks - Continued.

To anchor the base of the first tower to the chimney, I assembled two sections of the Rohn 25 tower and spaced it from the chimney the width of a two by four. I dug a hole three feet deep and 18 inches on a side and belled it out to about two feet at the bottom. I made the top smaller to keep the amount of exposed concrete to a minimum. I exposed the concrete so that I could dome it slightly to allow water to run off and not stand around the legs of the tower. I chose to bury three feet of the bottom section in concrete rather than use a base mount. I have done this before and found it to be very solid. I put several inches of small gravel in the bottom of the hole and then lowered the bottom section into the gravel. This will allow water that collects in the tower legs to drain out the bottom. I learned this the hard way by having a section leg split when the water in it froze.

Before pouring the concrete mix, I plumbed the tower and at about the eight foot level bolted to the chimney through a treated two by four into four 5/8" shields. I used a quarter inch aircraft cable and turnbuckle to cinch the tower to the chimney at the 16' level. I also placed a treated two by four here between the tower and chimney, and used stainless steel angles on the corners to keep the cable from being in direct contact with the chimney. It was rock solid!

After letting the base cure for four weeks, I stacked the tower sections on up to the hinge at the 55' level using a gin pole and temporarily guying the tower sections as I went up. Note that it takes longer than you would think for concrete to cure. It seems to cure at a logarithmic rate and is considered 'fully' cured after 30 days, however, some say that two weeks should be sufficient. I tied the temporary guys to fence posts and trees since I hadn't poured the guy anchors yet. It would have been better if I had constructed the guy anchors before stacking any more sections but I had to take advantage of the help available at the time.

**CAUTION!** A tower base is not designed to support the weight of a person on the tower. Be sure the tower is guyed any time someone is on it. Read the warning that Rohn periodically publishes in QST.

### DX NEWS

#### *New Italian prefixes ...*

The IK#AAA-IK#ZZZ series, which had started in the early Eighties, has run out. Italian radioamateurs are therefore being given the new IZ#... callsigns (3-letter suffix, from AAA, AAB, AAC etc. up to ZZZ). Best 73 de Mauro, I1JQJ  
425 DX News Editor

#### *5A1A politics - 15 Apr*

Regarding the 1995 5A1A operation by the Ukrainian ops ... QRZ DX reports that the Ukrainian Minister of Foreign Relations was recently in Libya and he had promised to attempt to get the specific document of authorization needed by the ARRL's DXCC Desk. All involved urge patience during the diplomacy.

#### *Macquarie update - 17 Apr*

"Bob Brown, NM7M has been trying unsuccessfully to put a message out to the Reflector about Warren, VK0WH, so I am taking the liberty of relaying it.

Warren has told Bob, via email, that he operates Monday, Tuesday, Thursday ONLY, (*Ed. note: times are about 0930 to 1030Z*) on 40 CW. Warren announces his TX frequency as 7010, but I have always read 7009+. He listens UP 3, he says. In fact, he starts up 3 and moves up, sometimes a lot.

Those who have been chasing him - it took five months for me - know that the frequency is plagued with Slims. Some are easy to spot. The most common one is a jerk who runs his dashes together, works simplex, and appears to be in East Asia. No sweat for anyone with directional antennas, but those with a single wire can be fooled. JA's and UA0's seem to go nuts for this idiot, although the more sophisticated JA operators have it figured out.

There has also been at least one Slim from the vicinity of ZL. This one, of course, is harder to nail.



The real Warren sends moderately slowly, but reasonably well, and, as mentioned, works split. He sends logs to VK9NS at the end of each month. Good hunting.

Garry, NI6T, for Bob, NM7M  
Internet DX Reflector

#### *CY0 update - 6 Apr*

Mike, VE9AA, will be the early arrival on the island. The CY0AA operation should begin on June 18th. Operations will be updated daily by communications with both W9OEH, and WA8JOC. We feel very strongly that any shortcomings or oversights can be corrected before the second "wave" arrives about 5 days later. The second group of two operators will then begin additional activity for an additional 7 to 8 days. Three stations will be on the air at that point to July 2nd.

We have promised our sponsors, the North California DX Foundation, UK Six Meter Group and the Six Meter Internat'l Radio Club (SMIRK), Icom North America, Cushcraft, Oklahoma Comm Center, WJ2O Qsl's, Heil Sound, EQF Logging Software, along with a core of the amateur radio community that have have sent in donations/equipment, a first class operation.

The total operation should last from about June 18th through July 2nd. The band plans still cover 160 - 2 meters. Look for us around the clock, on many modes. Primarily, we'll use as much short path as we can, using long path when it may be needed to get to otherwise unattainable locations around the earth.

QSL's for 160 - 10 meters will go to WD8SDL, for any 6/2 meter QSO's, cards should be sent to VE9AA. We ask that all cards go direct, with SASE required. Bureau cards will be handled but at a lower priority, and will most probably be of a lesser quality than direct QSL's. Turnaround time for bureau cards will try to be kept under a year. We will do our utmost to turn direct cards in a matter of one to two weeks. Please keep in mind that QSL's will not be printed until after we arrive back at our homes. This could take a month or so after the operation is completed before we would have any QSL's to send out. We ask also that NO

DUPLICATE QSL's be resubmitted until 6 months after the original submission by stations wanting confirmations. Multi - QSO labels will be used, and no duplicate QSO's will be verified via the bureau. This will cut down on the cost to our QSL sponsor, WJ2O QSL's, in all fairness to his generosity.

We wish to have the guidelines out in the open before the operation begins. This should facilitate all of our efforts to get out the cards needed without duplicated effort on our part, or yours.

We certainly expect duplicate QSO's on SOME frequencies, but please keep them to a minimum. We will try to confirm all calls before the end of a QSO, so you know if you're in the log on that band/mode.

We will be run on no lists, so you know where NOT to look for us. We will try to use standard splits for pileups, but the ultimate decision is that of the operator. We will try to conserve frequency spectrum space, and will try to work pileups on one frequency first. If the operator feels this is unproductive, then split frequency will be used. PLEASE LISTEN for instructions given by the operator.

In order to conserve the time between transmissions, please keep from signing your call more than once or twice. Use your COMPLETE CALL only. This keeps us from having to go back all of the time and reconfirm the complete call with the station just worked.

As the time draws closer for the operation to happen, we will continue to update all of you with findings, and changes that occur. We continue to solicit funds, since the undertaking has exceeded our original estimates, but we're still here, and going, in any case. Any funds will graciously be accepted by either VE9AA, or WA8JOC. No amount is too small ... it all adds up!

We will be glad to answer questions, or concerns via the address, or e mail routings listed on the header of this update bulletin. We'll keep you informed of any substantive changes as they occur.

Thanks to all for your financial, material, and spiritual support to this point!

Sincerely,  
THE CY0AA EXPEDITION TEAM  
VE9AA, WA8JOC and W9OEH  
Internet DX Reflector

#### *Kermadec Operation still "go"*

The plans for the Kermadec DXpedition ZL8RI from 4 to 14 May are proceeding well and the DXpedition is 100% OK to run as previously announced.

A new member has now joined the team. Peter ZL3GQ, a top ZL Contest operator, especially on CW, will be joining the following team: Ken ZL2HU, Ron ZL2TT, Lee ZL2AL, Peter ZL3GQ, Chris ZL2DX, Al WA3YVN, and Bin JA3EMU.

SSB, CW, and RTTY modes will be used. All the gear has been assembled and, thanks to the donations from Yaesu, the loan of IOTA rigs, Antennas etc., and the support we have already received from individual hams and ham clubs round the world this DXpedition should be a success. We are aiming for 40,000 QSOs so this should help to move ZL8 a long way down the most wanted list on all modes.

The hire of the boat alone is \$25,000 (cash in advance), and we are even having to take two diesel generators with us, because we can't get power on the island. Furthermore, petrol can't be taken on the boat because of the danger element. The hire of the generators is over \$2,000 and these things are very hard to find in New Zealand.

Yaesu have agreed to provide QSL cards and all QSLs will be handled by the team when they return to New Zealand.

QSL cards and donations should be sent to:

ZL2HU Ken Holdom,  
P.O. Box 56099,  
Tawa,  
Wellington,  
New Zealand.

73 de Ron Wills ZL2TT  
NZART DX Editor  
rewills@actrix.gen.nz

*Future significant DX operations*

News of the following operations were taken from The ARRL DX Bulletin, The Ohio/Penn DX Bulletin, The DX Bulletin, QRZ-DX and The 425 DX News, and the Internet DX Reflector. Abbreviations at the end of the spot indicate the source, e.g., (QRZ) = QRZ DX Bulletin.

- AMSTERDAM IS., FT8Z. Mehdi, F5PFP, is planning an expedition of about one month's duration to one of the rarest Amateur radio countries. The trip is planned between Nov 96 and Feb 97. (425DXN)

- ARMENIA, EK. Victor, RV6HKB/EK will be active for about one year from Armenia on 20, 15 and 40m CW. 100 watts and a dipole. QSL via home call. (425DXN)

- ASCENSION, ZD8. Des, G0DEZ, will be active from late May until the end of 1996 with the callsign ZD8DEZ. His activity will be concentrated on HF and 50 MHz, mostly CW.

- BANGLADESH, S21. Andy, S21YE, will be active for one more year on all bands, SSB only. S21B is also active for CW QSOs. Check 14226 kHz around 0030z. QSL via G0EHX. (TDXB)

- BERMUDA, VP9. Paul, N1LJA, of the Connecticut DX Association, will be operating as N1LJA/VP9 from approximately June 9-15th. Suggested frequencies: 7260, 14260, 18160, 21360, 24960 and 28460 kHz with allowances for propagation and QRM. QSL to his home call.

- BOUVET, 3Y. Barry Fletcher, ZS1FJ/G3MFW reports that he hopes to make a 2-week DXpedition to Bouvet in 1997 courtesy of the South African government which will be making an Antarctic trip. (Internet DX Reflector)

- BHUTAN, A5. John, KD0JL, reports that Jim Smith, VK9NS, is planning an early 1996 operation. (QRZDX)

- CHAGOS IS., VQ9. Ron, AA5DX, is in VQ9-land. Ron's call is VQ9DX and he will be concentrating on 160, 80 and 40. He will be there for about 4 months. QSL to Ron's address in KP4, Ron Marra, Marginal 301C, La Rambla Suite 205, Ponce, PR 00731 (Internet DX Reflector)

- COCOS-KEELING, VK9C. Ops VK4FW (ex-VK4CRR), VK2IVK, and VK4DHM will activate VK9C from 18 - 31 May, all HF bands, primarily SSB. QSLs go to VK4FW, Bill Horner, 26 Iron

St., Gympie, QLD 4570, Australia. Call will be announced later.

- DODECANESE, SV5. From 25 May to 14 June Fred, SV5/SM7DAY/QRP will be active from Kalymnos island, Dodecanese (EU-001). 17 and 20 metres CW only. QSL via home call, direct or via bureau.

- FALKLAND IS., VP8. DA4RG, will sign VP8BPZ from mid-May to mid September. He plans to operate SSB only, no nets or lists. QSL via GW8VHI or DA4RG. (ARLDXB)

- FRANZ JOSEF LAND, R1. In August, Sergey R1FJZ will end his operations from FJL and collect the QSLs from DF7RX (who acts as a "mail box"). (425DXN)

- GIBRALTAR, ZB2. Hans, DL7CM, and Torsten, DL1BX, plan to sign ZB2/their home calls May 10 to 20.

- GLORIOSO, FR/G. Michel, FR5HG, may be QRV from FG/G a few days in May. (QRZDX)

- HEARD IS., VK0 - Early 1997.

- IRAQ, YI. Tom, YI9CW will be active daily until 20 May. Preferred frequencies are 7.007, 14.007, 21.007 and 28.007 MHz. Tom is also active in 30, 17 and 12 metres (80 and 160 metres are forbidden in Iraq). QSL via SP5AUC (Tom Rogowski, P.O.Box 11, 02-800 Warsaw 93, Poland).

- JERSEY IS., GJ. From 28 June to 1 July Jim, G3RTE and Phil, G3SWH will be active using the calls GJ3RTE/P (SSB) and GJ3SWH/P (CW). They will try to be active using two stations, 10 to 80m. QSL via G3SWH.

- KERMADEC IS., ZL8. Ron Wills, ZL2TT, writes in a DX Reflector release .... "Just to advise everyone that things are going well for this DXpedition. Ken Holdom, ZL2HU has sent to ARRL and the ARRL DXCC Desk, copies of photographs of the ship and copies of all permits and licenses. He has also sent them to QRZ DX amongst others. Other than finance, all is now sorted out for the DXpedition to be active on all bands, all modes for a period of 11 days, May 4 -14, 1996." Donations to The Kermadec DX Association may be made c/o Ken Holdom ZL2HU, POB 56099, Tawa, New Zealand." (Internet DX Reflector)

- LAOS, XW - Adri, PA3BWS, hopes to obtain permission to operate for a subsequent trip planned in 1997. (ARLDX)

- MACQUARIE IS., VK0 - The latest from the bulletins is that Warren, VK0WH will be active on 40m CW (7009 Khz) on Mon, Tues and Thurs only. HE IS NOW CAPABLE OF SPLIT OPERATION AND WILL LISTEN UP 3+! Recently Warren has not been particularly active due to work problems. Local winter will reduce personnel at the scientific base and Warren hopes to have more spare time and to be active in different hours than the current 0930 to 10.30 UTC. QSL via VK9NS. One card per envelope please.

- MADAGASCAR, 5R. Gerard F2JD got his licence. Call is 5R8EN. He will stay in Malagasy until September. He works with a long wire and he will improve his antenna system very soon. QSL via F6AJA (direct or bureau are 100%) (Internet DX Reflector; 425DXN)

- MALI, TZ. TZ6VV is back in Mali. QSLs to AA0GL. (TDXB)

- MALDIVES, 8Q. From 8 to 22 September Andy, G4VPM will be active from Maldives. Operations, QRP only, will probably take place with the 8Q7PM call. (425DXN)

- MALTA, 9H. NODXA members and friends will be on Malta from May 17-31 emphasizing the low bands. Callsigns will be 9H3TZ and TY. QSL via DL7VRO. (OPDXB)

- MARION IS., ZS8. From early May until June-July 1997 Chris, ZS5IR/ZS6RI will be active from Marion Island as ZS8IR. Chris will join the 53th scientific expedition to Marion, as the official doctor and will work from base camp on all the bands, also on 6 and 160 meters, in SSB, CW and RTTY hoping to join major contests. The station will be equipped with an IC-735, a FL-2100Z, PK-232 and antennas will mainly be wire due to high winds. QSL via ZS6EZ (ex-ZS6BCR).

- MARSHALL IS., V7. From 2 to 14 May Bob, WW1V will be active as V73W from Kwajalein (OC-028). Operations are expected mainly on 40 metres SSB. QSL via home call.

- SABLE IS., CY0. Ken, WA8JOC, reports that everything is still "go" for the upcoming June CY0AA DXpedition. The team will concentrate on 30 through 6 meters but will have wire antennae for 40, 80 and 160m. The team is possibly planning to be active for 7-10 days somewhere between June 18th and July



2nd. More sponsors have been added: Cushcraft, SMIRK, Battlecreek, SM7AED and ARNE. Activity will be on 160-2 meters SSB/CW/RTTY with one station placing its emphasis on 6 meters. (OPDXB)

• SAN FELIX, CE0. Possible activity during 1996 by CE3HJB and CE3CDV. (425DXN and ARLDX)

• SIERRA LEONE, 9L. Jim, 9L1JC, will be active until at least August. QSL to POB 1031, Freetown. (OPDXB) Also ... Paul 9L1PG and Millie, 9L1MG will be active until May 15. Paul will be active mainly on 80 metres CW, while Millie is often on 14.226 MHz. QSL via NW8F. (425DXN)

• SOUTH COOK ISLANDS, ZK1. Bruce, AA8U, Stanley, K8MJZ, and Marilyn, AG8W, plan to enter the IARU Radiosport Contest in July as ZK1AAU from Rarotonga. Their stay will be from July 11 to 20 and they will concentrate on 160 and 80 meters outside of contest hours as ZK1MJZ and ZK1AGW. QSL via AA8U with SASE. (ARLDXB)

• SVALBARD, JW. Claude, F6EOZ, will be on Svalbard until mid-May and will sign either JW/F6EOZ or JW/TM6E. He will concentrate on 20m and satellite contacts. (TDXB)

• TRINDADE, PY0TI. PY1UP is on Trindade Island as a crew member of the Brazilian Navy Base. He intends to operate all bands as PY0TI. QSL via his home call. (Internet DX Reflector, ARLDX)

• UGANDA, 5X. Peter Casier, ON6TT, has signed a contract with the UN to manage their telecommunications team for the World food Program in Eastern Africa. Based in 5X, he will travel frequently to 9X, 9U, 9Q, 5H, ST, ST0, T5, 5Z, E3 and ET, operating as possible. His contract is for 6 mo. to 2 years with time off for the Heard Island DXpedition. QSL to ON5NT. (TDXB)

• VIETNAM, 3W. Nikolay, UA0FM/3W5FM is still active every days in CW from 1400Z on 7.005 MHz and in SSB, helped by Sergey (UA0WY), from 1530Z on 7.045 MHz. The operations should end in May. QSL via direct to: P.O. Box 66, Vladimir, 600011, Russia. (425DXN)

• WESTERN SAMOA, 5W. Starting 8 May, Michael DF8AN should be active (at local sunset). Operations are expected

mainly on 40, 15 and 6m CW (QRP 5 watts). QSL via home call. (425DXN)

• WILLIS IS., VK9W. Until the end of the year Graeme, VK5WG will be active as VK9WG from Willis islands. QSL via home call. (425DXN)

• YEMEN, 7O. The DXNS report that Paul, F6EXV, is working on permission to operate from here and says that although correspondence with the authorities has been slow he is hopeful of another operation.

## MONTHLY FEATURES

### Meet the Sysops

No submission for May.

### Sources for DX info

Jan 96 - *The GOLIST*

Feb 96 - *QRZ DX*

Mar 96 - *The DX Bulletin*

Apr 96 - *The 59(9) DX Report*

This month - open

Next month - *The DX Magazine*

### Doing your ALL to get that QSL card by Mark, N5OGP

Last month I discussed the "stealth envelope" and its role in getting your QSL and SAE delivered intact. Next month I'll discuss methods of payment. The article will be entitled ... Greenstamps or IRCs?

### And speaking of mail pilfering ...

[Ed. note: The following message was taken from the Internet DX Reflector and is authored by well-known DXer Nodir M. Tursoon-Zadeh, EY8MM (ex-UJ8JMM) regarding the acute problem of mail pilfering in his home of Tajikistan.]

"I am receiving many messages concerning direct QSLing with EY. Most questions based on "bad mail situation" in Russia. Let me describe this. Yes, a lot of envelopes disappear. It is fact and for now we can do nothing. There are a few economical reasons one of them it is Green Stamps. As I found average salary of local post workers is 3-4 USD per month. Getting dollars from envelope became a good "business" and very profitable. In the past (Soviet time) when laws worked and we even found some persons who opened envelopes and they lost there job. Now most envelopes are opened and usually there are no any postage except IRC's. My feeling is that it is better to enclose IRC for return postage

for Tajikistan (may be for all post-Soviet countries) or use the bureaus. In any case direct QSLing is very difficult and if you decide to send QSL direct it is better to ask what kind of postage is preferable for each country. I hope this info will be useful."

73, Nodir EY8MM

ex. UJ8JMM, YA5MM, YA1MM etc.

ey8mm@sovam.com (Nodir M. Tursoon-Zadeh)

## OKDXA STUFF

### Welcome new member(s)

Jerry Richards, AB5SE

4115 MacArthur Dr.

Fort Smith, AR 72904

501.783.0542

### Lawton Hamfest report

Lawton Hamfest, 13 APR 96

The Lawton/Ft. Sill folks were very helpful in getting Ross Hunt (K5RH), Jim Sweetko (AB4BG), and me set up with a table for the OKDXA booth. We felt right at home in the birth place of the OKDXA. Ross had some of the recent rare DX QSL's on display that attracted a lot of attention. We field checked QSL's for Ron Tucker, K5IGB. Congratulations go to Ron for having more than enough to qualify for DXCC.

Several OKDXA members stopped by during the day. Claude Matchette, KD5RQ, mentioned that he had an article on his XE2MOO activity if we were interested. I suggested he get it to Mark, N5OGP, right away. Of course it is always a pleasure to see our friends from The Village, Richard and Toni Winnard, KJ5QU and KK5LH, respectively. Craig Wright, KB5BOB, and I renewed our Belau experiences and he shared some of his lightning horror stories. He thanked me for moving West of him so that I might absorb some of the lightning before it got to him. Troy Warren, KE5K, and I discussed linking his DX Packet Cluster with the OKC Cluster. Everything looks good at this time. Troy was pretty busy with his Ham TV and DX Packet Cluster presentations. Joe Lynch, N6CL, our SCM, stopped by and visited for a few minutes. We wished him well.

We had our luncheon meeting with the QCWA at Ryan's Steak House (Sheridan

& Cashe Rd). Everyone had a great time and no one went away hungry. The flea market was a bee hive in the morning but activity dropped off by afternoon. Ross couldn't stand finding 8 Meg computer chips for \$150 without purchasing some. Several folks stopped by the booth asking for membership applications so we should pick up a couple of new members. My thanks to all those that helped with the OKDXA presence. Respectfully submitted. Coy, N5OK

#### *OKDXA Web page in progress ...*

The Oklahoma DX Association will soon join many other Amateur Radio and DX Clubs in cyberspace. We are working on the format and design of the OKDXA Web Page. N5OGP is supplying the initial contents and Ponca City ham, Dave Balli, N5XDN is doing the HTML design work. We will publish the URL in a future newsletter and start taking your critiques.

#### *QRZ? OKDXA DXpeditioners ...*

We would like to advertise your upcoming DXpeditions in the OKDXA newsletter and on our OKDXA WWW site. If you publicize your operations by sending email to the bulletins and DX Reflectors PLEASE include [n5ogp@pcok.com](mailto:n5ogp@pcok.com) on your TO: or CC: list. I'll be sure to advertise your upcoming "jaunt" in print. When you return and get your QSL cards printed please ship me one for scanning and inclusion on the OKDXA Web Page.

#### *Attention OKDXA testers ...*

"Please copy zone 04, 5x9 ... over". Ah ha! Got your attention didn't I? Would all of our OKDXA testers (Field Day to Sweepstakes to CQWW and everything in between) PLEASE turn in your scores (unofficial and official) and any related "war stories" to our Contest Coordinator, Coy Day, N5OK. We want to highlight our membership's contesting exploits in both our monthly newsletter AND on our soon-to-premier OKDXA World Wide Web site. No matter how well you ranked or didn't rank, please let us know you operated! Thanks!

#### *Change in executive committee proposed*

The Executive committee and Directors have proposed the following structure change be made to the Executive committee. The current positions of

President, Vice President, Secretary and Treasurer be changed to ...

President  
Vice President  
Vice President  
Secretary/Treasurer.

The rationale behind this proposal is that, due to the nature and functioning of our Association, the Secretary is essentially without a role except for recording minutes at perhaps two business meetings per year. The President and two Vice Presidents would form a leadership team with the President appointing their duties. For example, one VP might be responsible for Meetings and Banquets and the other for Administration.

This proposal will be presented to the membership for a vote at our Ham Holiday business meeting.

#### *OKDXA callsign badges?*

For some time now I've been wanting a professional looking name/callsign badge carrying the OKDXA logo. Having received a nice ARRL DXCC Field Rep. badge from The Sign Man III company in Palmyra, TN, I sent a design and asked for a quote. Mr. Doug Barnes (Mr. "Sign Man" himself) enthusiastically responded with the following info:

- 4-line, 2.275 x 3.375 in badge = \$6.25 which includes shipping. This is \$0.50 off the advertised price and he will waive the logo setup fee.

- No minimum order. Regarding the same, Mr. Barnes says, "our position is that a club member should not have to wait for a badge until more members want one."

I am going to talk "background color" with Mr. Barnes in late April and order myself a badge for a demo. Maybe I can get a graphic of the badge in our newsletter. I'll have all the ordering info in the newsletter when the details are settled. ... N5OGP

#### *2nd OKDXA Banquet slated*

Jim, WV5S, reports that the 2nd Annual OKDXA Banquet has been scheduled for Saturday, November 9, at the River Oaks Golf Club east of Edmond. The facility is owned by Joe and Dorothy Boyer (W5CCP and N5QOR). OKDXA

member and DXpeditioner, Vince Thompson, K5VT, and ARRL DXCC Manager, Bill Kennamer, K5FUV have been invited to speak. Stay tuned for more details as they become available.

#### *Current Email Directory*

Bargmann, Nate KA0RNY  
[natebarg@cencom.net](mailto:natebarg@cencom.net)  
Buford, Bob KD5QD  
[buford.bob@alarch.sbc.com](mailto:buford.bob@alarch.sbc.com)  
Byard, Mark N5OGP  
[n5ogp@pcok.com](mailto:n5ogp@pcok.com)  
Calhoun, Charlie, Jr. KB5ZUD  
[kb5zud@tulsa.com](mailto:kb5zud@tulsa.com)  
Case, Ken K5KC  
[CaseKE@aol.com](mailto:CaseKE@aol.com)  
Day, Coy N5OK  
to be announced  
Feigel, Don WD5EHU  
[wd5ehu@aol.com](mailto:wd5ehu@aol.com)  
Guida, John NJ1V  
[nj1v@phoenix.net](mailto:nj1v@phoenix.net)  
Hood, Jim WV5S  
[wv5s@icon.net](mailto:wv5s@icon.net)  
Ingram, Jay W5QVS  
[w5qvs@msn.com](mailto:w5qvs@msn.com)  
Land, Dave KD5FX  
[daveland@pcok.com](mailto:daveland@pcok.com)  
Martin, Jeff K5WE  
[k5we@aol.com](mailto:k5we@aol.com)  
Miller, Hal KB1ZQ  
[n1lpn@aol.com](mailto:n1lpn@aol.com)  
Romere, David KA5OWI  
[dromere@ionet.net](mailto:dromere@ionet.net)  
[ka5owi@amsat.org](mailto:ka5owi@amsat.org)  
Russell, Dick KJ5VV  
[kj5vv@aol.com](mailto:kj5vv@aol.com)  
Sweetko, Steve AA4BG  
[sweetko@busprod.com](mailto:sweetko@busprod.com)  
Thomason, John  
[wb5syt@ionet.net](mailto:wb5syt@ionet.net)

If you are a member of the OKDXA and you have an electronic mail address (and you wouldn't mind having it published in this NL) please email it to your Editor, N5OGP. Thanks!

#### *Kudos column*

- Congrats are extended to Robert Gillespie, WB5KJE, for snagging 3V8BB, a brand new one, during the early-April Czech operation.

## MISCELLANY

*Electric Humor*

Today's scientific question is: What in the world is electricity and where does it go after it leaves the toaster?

Here is a simple experiment that will teach you an important electrical lesson: On a cool dry day, scuff your feet along a carpet, then reach your hand into a friend's mouth and touch one of his dental fillings. Did you notice how your friend twitched violently and cried out in pain? This teaches one that electricity can be a very powerful force, but we must never use it to hurt others unless we need to learn an important lesson about electricity.

It also illustrates how an electrical circuit works. When you scuffed your feet, you picked up batches of "electrons", which are very small objects that carpet manufacturers weave into carpet so that they will attract dirt. The electrons travel through your bloodstream and collect in your finger, where they form a spark that leaps to your friend's filling, then travel down to his feet and back into the carpet, thus completing the circuit. (Amazing electronic fact: If you scuffed your feet long enough without touching anything, you would build up so many electrons that your finger would explode! But this is nothing to worry about unless you have carpeting).

Although we modern persons tend to take our electric lights, radios, mixers, etc. for granted, hundreds of years ago people did not have any of these things, which is just as well because there was no place to plug them in. Then along came the first electrical pioneer, Benjamin Franklin, who flew a kite in a lightning storm and received a serious electrical shock. This proved that lightning was powered by the same force as carpets, but it also damaged Franklin's brain so severely that he started speaking only in incomprehensible maxims, such as, "A penny saved is a penny earned." Eventually he had to be given a job running the post office.

After Franklin came a herd of electrical pioneers whose names have become part of our electrical terminology: Myron Volt, Mary Louise Amp, James Watt, Bob Transformer, etc. These pioneers conducted many important electrical

experiments. Among them, Galvani discovered (this is the truth) that when he attached two different kinds of metal to the leg of a frog, an electrical current developed and the frog's leg kicked, even though it was no longer attached to the frog, which was dead anyway. Galvani's discovery led to enormous advances in the field of amphibian medicine. Today, skilled veterinary surgeons can take a frog that has been seriously injured or killed, implant pieces of metal in its muscles, and watch it hop back into the pond -- almost.

But the greatest electrical pioneer of them all was Thomas Edison, who was a brilliant inventor despite the fact that he had little formal education and lived in New Jersey. Edison's first major invention in 1877 was the phonograph, which could soon be found in thousands of American homes, where it basically sat until 1923, when the record was invented. But Edison's greatest achievement came in 1879 when he invented the electric company. Edison's design was a brilliant adaptation of the simple electrical circuit: the electric company sends electricity through a wire to a customer, then immediately gets the electricity back through another wire, then (this is the brilliant part) sends it right back to the customer again.

This means that an electric company can sell a customer the same batch of electricity thousands of times a day and never get caught, since very few customers take the time to examine their electricity closely. In fact, the last year any new electricity was generated was 1937.

Today, thanks to men like Edison and Franklin, and frogs like Galvani's, we receive almost unlimited benefits from electricity. For example, in the past decade scientists have developed the laser, an electronic appliance so powerful that it can vaporize a bulldozer 2000 yards away, yet so precise that doctors can use it to perform delicate operations to the human eyeball, provided they remember to change

the power setting from "Bulldozer" to "Eyeball."

*Anonymous, from the Internet*

*More Ham radio web sites***Canadian Hams on the Internet**

<http://www.cam.org/~dino/inetcdnhams.html>

**Callbooks/Address Databases****DL5MO QSL Info.**

<http://www.systemtechnik.tu-ilmenau.de/ham/hamqsl.html>

**QRZ (with Email)**

<http://www.qrz.com/cgi-bin/webcall>

**IK4LZH QSL Server** <http://www-dx.deis.unibo.it/htlzh>

**OH Callbook**

<http://www.mcc.ac.uk/cgi-bin/callbook.oh>

**UK Callbook**

<http://www.mcc.ac.uk/cgi-bin/callbook>

**Univ of AR Server**

<http://www.uar.edu/doc/hamualr/callsign.html>

**US-CAN Callbook**

<http://www.mit.edu:8001/callsign>

**E-mail addresses (a)**

[ftp://ftp.cs.buffalo.edu/pub/ham-radio/hams\\_on\\_usenet](ftp://ftp.cs.buffalo.edu/pub/ham-radio/hams_on_usenet)

**E-mail addresses (b)**

<http://www.akorn.net/hamradio/emails.html>

**QSL Server**

[qsl-info@aug3.augsburg.edu](mailto:qsl-info@aug3.augsburg.edu)

**NO4J Packet Cluster**

<http://www.jaxnet.com/~nf4j/cluster.htm>

**DX Propagation Forecast**

<http://www.nol.net/~ids/prop.html>

**Licensing Abroad**

<http://www.clinet.fi/~jukka/license.html>

**Pitcairn Island**

<http://wavefront.wavefront.com/~pjlaureau/pitcl.html>

**CU NEXT MONTH**

**73 de N5OGP sk**

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## Technical Corner

### Ten-Tec T-Kit Model -1220 Review by Tom Webb, WA9AFM

While thumbing through a *QST* a few months ago, the Ten-Tec ad jumped out at me.....KITS!!! Ten-Tec had introduced a new line of kits including a two meter and six meter FM transceivers, a 35 watt "brick booster", a SWR/power meter, a six meter transverter and a variety of the small kits for the amateur radio community.

Finally, someone was attempting to fill that marketing niche!

I noted the two meter rig, the "1220", was very simple in nature and seemed ideal for packet. I obtained a Ten-Tec catalog and was pleasantly surprised at the range of kits Ten-Tec was marketing. It didn't take much decision making to place an order for the "1220".

Kit-built amateur radio equipment had all but disappeared until the last few years. Ironically, amateur radio had its origin with kits. In the mid-1920's, several electrical component suppliers sold transmitter and receiver kits. In some cases, amateurs literally built their own components including capacitors, coils, and rectifiers! One early kit supplier was even investigated by the authorities because his kit was so inexpensive, it couldn't possibly work!

HeathKit came along just after WWII but, not with an electronic kit. Heath's original kit was an airplane, the Heath ParaSail. When they got into electronics, they initially produced the "AT-1" a 40 watt CW transmitter. Heath produced a series of classic amateur equipment to include the DX-40, HW-12/22/32, HW-101, the "scratchy" Apache, SB-100, Warrior and SB-200 linear to name a few.

KnightKit, a division of Allied Radio, was formed in the early 50's and later produced the T-50, R-55, R-100 and T-60. Both companies produced a line of highly regarded test gear and home entertainment equipment.

Heath and KnightKit brought kit building

to a new level with detailed instructions, precut and tinned wire, trouble shooting instructions, and well organized manuals. In the mid 80's, the challenge from high-tech factory built equipment forced Heath to close its kit operation; KnightKit had dropped out in the late 60's when Radio Shack bought out Allied Radio. This left a void which was not filled until the mid 80's when "Dick Smith", an electronic kit supplier from Australia entered the U.S. market. Although his kits were useful amateur equipment, the instructions were sometimes unclear and contained errors. No customer service line was available. Ramsey took over the Smith line but, never attained the level of Heath or KnightKit.

When the "1220" arrived on my door step, I quickly laid hands on the manual. In the opening page of the "1220" manual, Ten-Tec characterizes most 2 meter rigs as "magic boxes mass-produced in Asia, generally mysterious to their owners, requiring factory service whenever there us a problem." Their mission in life is to provide a piece of equipment that is easily built, good specifications, and easy to service all at a good price.

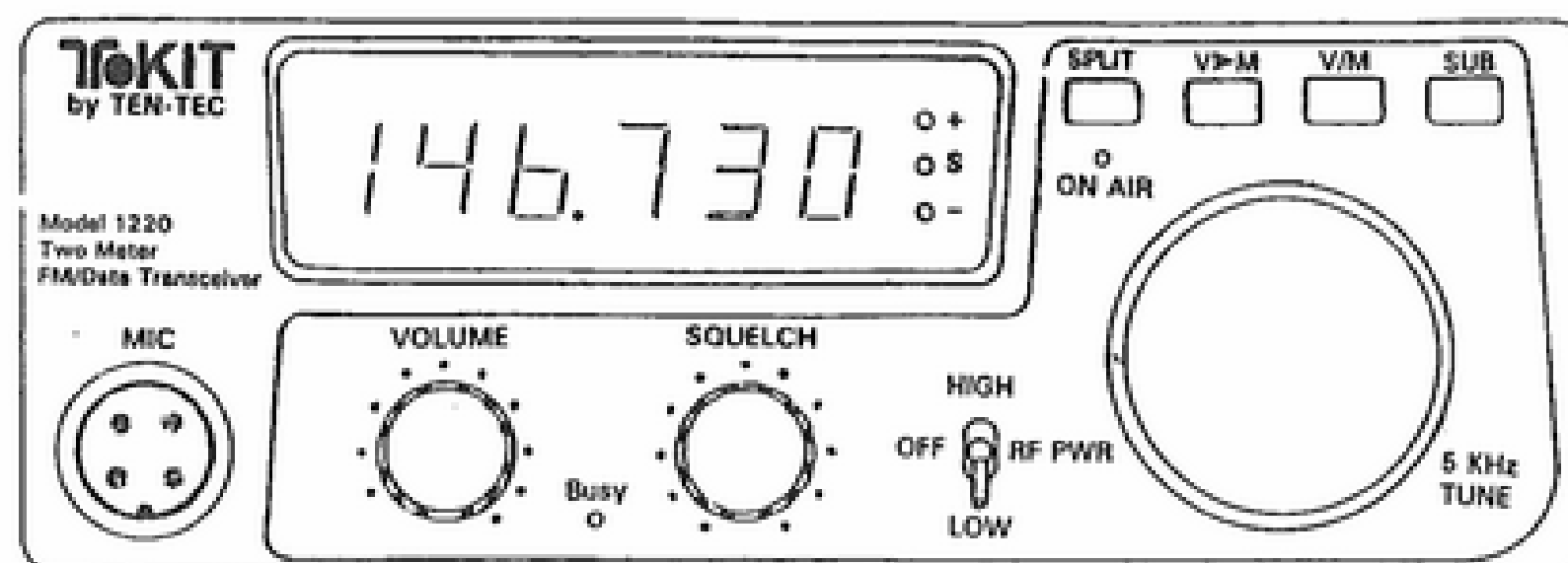
Unpacking the "1220" kit, it was apparent a lot of thought was given even to the packaging. All components were in their own ziplock polybags; resistors in one bag, disc capacitors in another, Mylar capacitors, inductors and so on. Chassis and panel components are wrapped to prevent shipping and handling damage.

The manual is excellent. It uses spiral binding so it will lay flat on the bench. It's well organized, too. After the initial introduction, there is a detailed discussion of the various circuits. Next, a short-course on kit building. By this time, I was fully convinced the person who wrote this manual must have been a military technical writer.

The first actual building is done on the front panel display board. This unit is used throughout construction to conduct "self tests" at the end of each module. It is also quite simple to build and thus, allows you to renew your soldering skills.

Component mounting is well organized. On the opening page of each module is a component "map" for the area of the circuit board you are working on. Components are mounted in groups. For example, you mount the resistors, then the diodes, followed by disc capacitors, then Mylar capacitors, then transistors, and so on. This assures you don't put one component in another's position. At the end of each module, you conduct a "self check" to assure that portion of the kit is working.

One caution that appears throughout the manual concerns correct component placement. Although component positions are silk screened" on the main circuit board, it is very crowded. Some silk screen" markings are not exactly at the location of their corresponding component. I found myself double-checking the component map but, even then I did misplace a couple of



*You really CAN build this multi-featured 2 Meter Transceiver: just plan seven 2-4 hour sessions, each climaxing with realistic Progress Tests!*

components. For example, resistor "R 11" was placed in the location for "R 111". This was discovered during an "end of module" check.

The manual states the only test equipment you need is a VOM. True, however (comma), a frequency counter would be a big help as at one point you must align the Reference/Clock Oscillator using either a frequency counter of HF receiver (you're looking for 4.000 MHZ). Most of the checks are for voltages or certain responses from the display board.

The most critical, and difficult, module covered the assembly of the Voltage Controlled Oscillator (VCO). We're talking industrial-grade compact! To top it all off, the VCO area is ultimately covered top and bottom by a metallic shield.

Another challenge, or at least I thought it would be, was winding five VERY SMALL coils. A #6-32 bolt is provided as a coil form. The coils are made from #22 bare tinned wire; you get more than enough so you can experiment. I found this to be the most challenging and fun part of the kit. After a few "practice coils", I was able to wind a pretty good product. A caution; when mounted, these coils can be inadvertently moved causing winds to be spread or shorted...BE CAREFUL!

As mentioned, the main circuit board involves tight quarters. A magnifying glass of some variety is quite helpful. I used an "Optivisor", a headband mounted magnifier. Of course, a maximum 40 watt on the soldering iron and good quality, thin solder are obvious requirements.

Although the "1220" can, according to Ten-Tec, be built in 18 hours, I built one module per evening. Thus, I didn't get rushed and generate mistakes. There were two delays; one waiting for a replacement for a damaged volume control (my fault), and a second delay for a replacement SMT 100pf capacitor (this item is REALLY SMALL!).

There were only two "head scratcher" instructions in the manual. One involved

the identity of an integrated circuit; it was identified one way in the parts list, another way in the instruction line, and a third way (the correct one, I might add) on the component map. I would assume this was a typographical error. The second one concerned mounting the solder lug for the negative power lead. The instruction directed you to a vague location on the inside portion of the chassis. I got in the general area, found an unoccupied hole and mounted the lug. I assume I guessed right.

During the final alignment, I did experience some modulation problems in the form of frequency drift but, after installing the VCO shield all was well. Receiver alignment begins with some voltage adjustments at specified frequencies (they were exactly on the first try!) Next you peak the RF stages on a weak signal look for minute voltage peaks. During the March OCAPA meeting, the "1220" was put on an IFR-1600 analyzer. The transmitter measured .7 and 3.5 watts out. The receiver was tested with RF modulated with a 1000 Hz tone which broke the squelch at -120 dbm!

The "1220" has a packet connector on the back which drove my buying decision. When you use this connector there are two things you must consider. First, when receiving, you are taking buffered audio from a point prior to the squelch circuitry. Thus, you will need to use the "Busy/Mute" output on the "1220". You TNC will have a command called "CD" (or something similar). It usually have three options, "Internal, External, Software". For use with the "1220" packet connector, select "External". This will allow the mute line in the "1220" to control the DCD light on your TNC.

Second, transmit audio goes directly to the audio driver. Thus, more audio drive will be required as compared to using the microphone connector. In the case of the Kantronics KPC-3, I had to move the audio out jumper (J-3) to the high level range and adjust the output to get the correct "brap" sound.

The "1220" comes with 15 memories programmed into the EPROM. However,

memories 6 & 7, 8 & 9, 10 & 11, 12 & 13, and 14 & 15 are "paired" and may be used together to achieve odd splits". If you are receiving on memory 6, memory 7 is your transmit frequency, or vice a versa. If you have a repeater split programmed into memory the "paired" function is disabled for that memory. This "paired" function allows odd splits for transverter operation. I called Ten-Tec and asked if this function could be defeated; the answer was no.

I explained I didn't plan to use a transverter and wanted just simple memories. They sent me an older version of the EPROM which had only one set of "paired" memories. I offered the suggestion to make this available as an option at purchase; they seemed receptive.

And on the subject of customer support...it was classic Ten-Tec! I talked most of the time with Gary Green. He is an active ham and uses the "1220" on packet. The folks in Sevierville have always had a reputation for outstanding customer service and it is a reputation well deserved.

The "1220" has been chugging along on packet for several weeks with no problems. I'm giving serious consideration to the "1222" upgrade which would add a built-in amplifier and boost the output to 30 watts high power, 5 watts low.

It was great fun to once again create something out of a pile of parts and have it work. This is something I created, that I can service, and that I can modify without worrying about warranties. I think Ten-Tec is reviving the experimental spirit of amateur radio.

If you are interested in ordering kits or a catalog; Ten - Tec can be reached at 1185 Dolly Parton Parkway Sevierville, TN 37862-3710. Phone - 1-423-453-7172.

*The Editor*



## A. R. R. L. Bulletins

From ARRL Headquarters  
Newington CT

To all radio amateurs

**ARRL Bulletin 20**  
April 9, 1996

**Milt Chaffee/W1EFW, SK**

Past New England Division Director Milton E. Chaffee, W1EFW, of Southington, Connecticut, died April 8, 1996. Milt was 83. He served as director from 1957 through 1964. Milt was a long-time ARRL member and official, and served in many League capacities, including assistant section manager and section traffic manager in Connecticut. He was an active CW and traffic enthusiast. He also served on the QCWA board of directors.

Connecticut Section Manager Betsey Doane, K1EIC, called Milt's passing "the end of an era." ARRL Executive Vice President David Sumner, K1ZZ, added: "Milt was a stalwart traffic handler who set and maintained the standards for the rest of us for more than 40 years."

A memorial service for Milt Chaffee is set for Sunday, April 14, 1 PM, at The First Congregational Church, Route 10, Southington, Connecticut. A reception will follow.

**ARRL Bulletin 19**  
April 2, 1996

**Bill Seeks Protection**

Rep. Bill Baker (R-California) has introduced a bill to protect ham volunteers in the Volunteer Examination Program and the Amateur Auxiliary of the FCC from frivolous lawsuits while they are doing their volunteer jobs. The bill, HR-3207, would afford amateurs engaged in

statutorily defined activities with the VE program and with the Amateur Auxiliary the same liability as federal workers under the Federal Tort Claims Act. When individuals who fall under such protection are sued for something they have done while performing their duties, the federal government steps in to protect them. Baker introduced the measure, the Amateur Radio Volunteer Services Act of 1996, March 29, 1996, as an amendment to the Communications Act.

While the bill would not afford absolute blanket immunity, it does offer a fairly rigorous body of legal protection from the kind of malicious litigation that tends to frighten volunteers away from these activities, said ARRL Legislative and Public Affairs Manager Steve Mansfield, N1MZA.

Baker said that amateur radio volunteers provide an invaluable service to all ham radio operators by assisting in licensing and monitoring activities, thus saving taxpayer dollars. Those savings would dry up if volunteers stay away for fear of lawsuits, Baker said in a letter to colleagues. The bill is a simplified version of legislation originally introduced in the 103rd Congress by Rep. Jim Slattery. Individuals and private organizations currently protected by the Federal Tort Claims Act include Volunteers in Service to America (VISTA), the Peace Corps, and the Job Corps.

Baker has enlisted members of both parties as original cosponsors of the bill. These include: Charles Wilson (D-TX); Bob Wise (D-WV); Edolphus Townes (D-NY); Mike Parker (R-MS); Toby Roth (R-WI); Charles Taylor (R-NC); Ron Dellums (D-CA); David Funderburk, K4TPJ, (R-NC); Ed Royce (R-CA); Norman Dicks (D-WA); Vern Ehlers (R-MI); Chris Cox (R-CA); Andrew Jacobs (D-IN);

Harold Rogers (R-KY); Dennis Hastert (R-IL); Dave Weldon (R-FL); Anna Eshoo (D-CA); Ken Calvert (R-CA); Doug Bereuter (R-NE); Gene Green (D-TX); George E. Brown (D-CA); Eva Clayton (D-NC); and Sam Farr (D-CA).

ARRL members may want to write their own congressional representatives urging them to support HR-3207.

**ARRL Bulletin 18**  
March 22, 1996

**KF2PJ Eastern NY SM**

Bob Leiden, KF2PJ, of Glenville, New York, has been appointed section manager of Eastern New York to complete the unexpired term of Paul Vydareny, WB2VUK. In January, Vydareny was elevated to Hudson Division director when Steve Mendelsohn, WA2DHF, was elected ARRL first vice president. A new Board of Directors policy prevents anyone from simultaneously serving as SM and as either an officer, director, or vice director.

Leiden is employed by Lockheed-Martin and holds a degree in physics from Union College and an MBA from Rensselaer Polytechnic Institute. He's a member of the Schenectady Amateur Radio Association Board of Directors and a former Chairman of the Schenectady Museum Amateur Radio Association. He will retain the existing section staff.

1631 SE 15th

677-9001

**Skyline Restaurant**

"country cooking"

*Bryan, Cindy, Jennifer and Jessica*



## Up - Coming Hamfest / Swapmeets

**May 12, 1996 - Flint Hill ARC Hamfest** sponsored by Flint Hill ARC. Free coffee, parking, Great door prizes, Balloon launch Talk in on 147.15 or 444.15. Location Augusta, KS 8 miles east of Wichita on HWY 54. For more information contact:

Leanna, KF0ZL - (316) 775-0300  
Rhonda, AA0OQ - (316) 733-4458  
k5erj@aol.com

**June 7, 8 & 9, 1996 - Ham Com**, Arlington, TX. Currently largest hamfest in central U.S. with most all major dealers and manufacturers represented.

**July 26 & 27, 1996 - Ham Holiday 1996** sponsored by Central Oklahoma Radio Amateurs, Inc. Door prizes, dealers, flea markets and plenty of parking. Planning still underway for this event. For more information contact:

Hal, KB1ZQ or Linda, N1LPN - 672-7735  
CORA P. O. Box 95942 Oklahoma City,  
OK 73143-5942  
n1pln@aol.com

## 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 in Math Science building at Rose State College in Midwest City.

VE exams on 4th Tuesday of each month are held at 1800 in the Shawnee Public Library, 101 N. Philadelphia.

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 Saturday of each month are held at 1830 at the Altus Vo-Tech in

Altus, OK. Contact Rick Alderete, AA5UU 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.

Hams from around the central Oklahoma area meet Fridays at 7:00 for supper, coffee, friendship and overall story telling at the Skyline Restaurant on 15th and Eastern in Oklahoma City.

### ATTENTION WWII VETERANS:

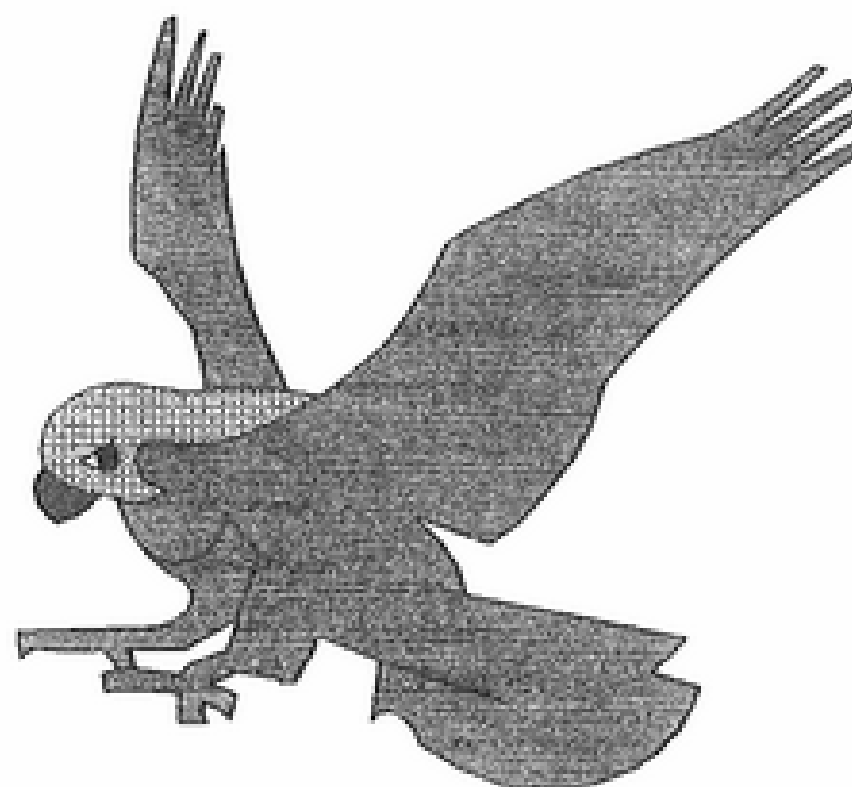
Members of the 304<sup>th</sup> Signal Operations Battalion Pacific Theater will be holding a reunion 20-22 September 1996.

For more information contact:

Bill Schumann, KA5TUF  
3517 NW 64<sup>th</sup> Street  
Oklahoma City, OK 73116  
PH: (405) 842-5469

**Wanted** - People to assist with Ham Holiday '96 People interested in working hard and getting little or no recognition. To apply come to the CORA meeting

Hope to See you there!!!!



## 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.

Packet check-in on 145.07

**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

**Night Owl** - Daily @ 10:30 p.m. on 146.07/67 with alternate 146.325/925.

**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 @ 7:00 p.m. on 147.135/735.

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

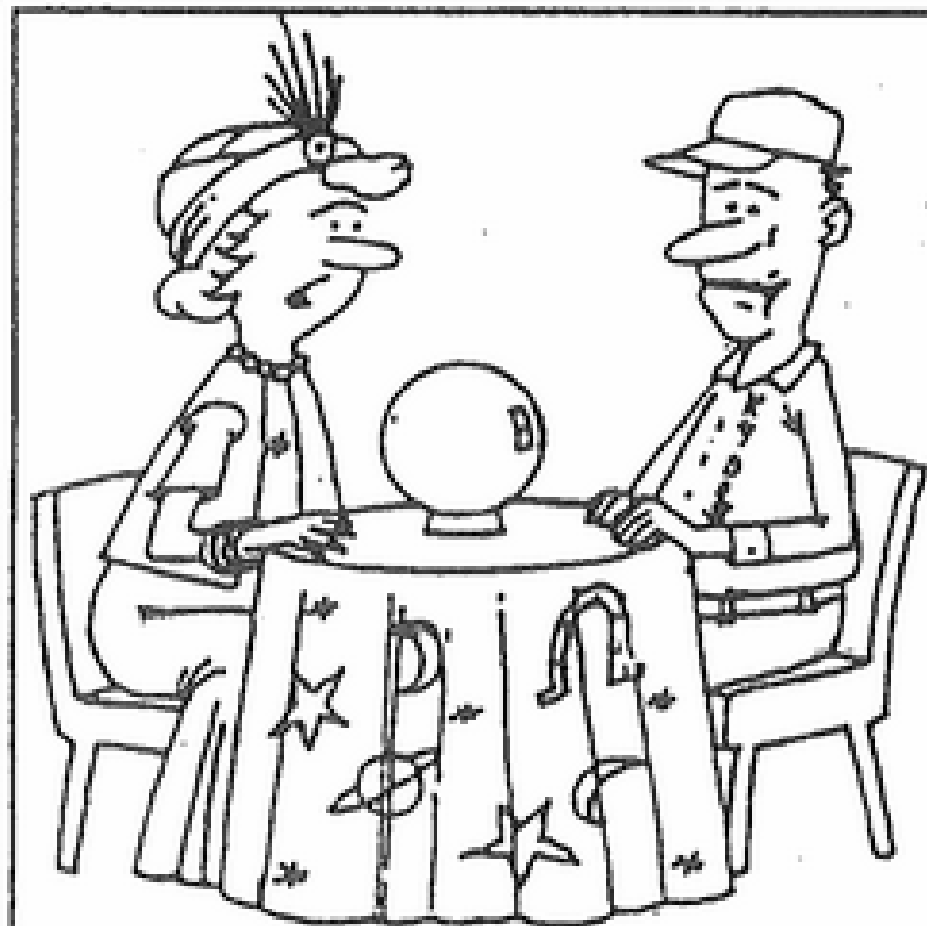
**QCWA Chp 63 HF** - Sundays @ 8:00 on 3856.5kHz.

**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 input.



"I don't see any new Amateur Radio equipment in your future. But I do see your wife getting the house, the furniture, the golf clubs, the car, and a trip to Hawaii after the divorce."

from the June '95 Oh-Ky-In ARS (Cincinnati) "The Q-Fiver"—Susie Scott, N8CGM, Editor—who credits the "SRF Electron."

# AMATEUR RADIO NEWSLINE

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## FCC Suspends Ham License on Broadcast Language Rule

The FCC has used the broadcast prime time rule that bans the transmission of certain words during a part of the day as one of several reasons to suspend the license of a Louisiana ham. It is a first and may well be the start of a new trend in private radio regulatory enforcement.

The FCC has taken seriously a get tough policy with hams who violate the Part 97 Amateur Service rules that was requested by the American Radio Relay League. The ARRL recently told the FCC that it wanted ham licenses suspended and on April 5th,

the FCC did just that to the Technician Plus license of Irvin J. Foret Jr, KB5UJD, of Metairie, Louisiana. This, after receiving numerous complaints about interference to Amateur Radio operations in the New Orleans Louisiana area.

The action comes after FCC investigators monitored and documented Foret's transmissions in December 1995 and January 1996. The FCC says that some of Foret's transmissions on January 29th, 1996, constituted willful or malicious interference to the transmissions of other Amateur Radio stations. This, in apparent violation of FCC rules.

The FCC says that during an inspection of his station, Foret was lacking in candor. That he misrepresented material facts to Commission personnel by stating that he did not make the transmissions that investigators had observed.

The FCC also says that some of Foret's transmissions were unidentified, included music or were obscene or indecent. And here is where the FCC really gets tough.

It literally invoked the famed prime-time rules it uses to govern the activities of commercial broadcasters. The one that limits the transmission of certain language to specific hours of the day. The FCC claims that the alleged indecent transmissions occurred at a time when there was a reasonable risk that children could be listening in. That's the so called prime time rule and its the first time that this rule has been invoked in a case involving words allegedly spoken over the air by a ham radio operator!

As a result of its investigation, the FCC has suspended Foret's license for two years. It has also ordered a final determination based on the issues in the case and whether to impose a fine against Foret. If Foret files a timely request for a hearing or a written statement, the suspension of his operator license will be held in abeyance pending a Commission decision. Otherwise, the suspension order takes effect within 30 days of his receipt of the FCC's order.

At air time, it is unknown if Foret has filed any appeal.

## FCC Busts Washington Ham Back to Novice Class

In a most unusual case that hinged on his driving proficiency, Arthur P. Baumgarden, KI7CW of Bingen, Washington has lost his bid to retain his current license grade. This, after the FCC concluded that Baumgarden obtained his Advanced class license improperly and refused to review that decision.

Baumgarden, 62, said he successfully upgraded to Advanced during a 1991 test session in Carson, California, a round trip of more than 2000 miles from his home. According to the FCC, he later told a Commission informant that he obtained his upgrade -- and we quote -- "through payment of money, without passing the required examinations."

When the FCC questioned Baumgarden, he denied the allegations. The FCC then asked Baumgarden to take a retest under

another Volunteer Examination team. Instead he refused and appealed.

FCC records indicate that Baumgarden changed his story after the FCC first took issue with his version of events and especially with the travel times he supplied. In part, the Commission expressed disbelief that Baumgarden could have driven to Carson, California, and back in the times he claimed. They called the alleged travel schedule impossible to achieve within the speed limit. Even more so when Baumgarden said he made the journey in his recreational vehicle. The Commission also says that Baumgarden failed to corroborate his tale or to adequately explain why he provided two versions of events.

Although Baumgarden continues to deny he obtained his amateur license improperly, on March 18th the FCC concluded that his denials are not credible" and refused to review the case on both procedural and substantive grounds. The Commission order says that because Baumgarden declined to appear for retesting, his operator license would be reduced to Novice and his call sign changed to one appropriate for that license class.

Baumgardens' only options now are to accept the suspension or take the matter into the federal courts.

## RFI Prevention

The American Radio Relay League has again criticized the FCC for failing to act to end TVI and RFI. The League says that the FCC continues to focus on the symptom rather than the cause of home electronic equipment interference, even though it has authority to mandate change.

The League is again urging the FCC to require manufacturers to put notices on products indicating they are subject to harmful interference. It also wants to see information provided on interference resolution and names of contact representatives for resolving RFI problems.



The ARRL says that it is not optimistic that the FCC's pilot project of a privatized interference resolution program would work. This, since it puts the burden of resolving the interference problem on the consumer and not the manufacturer.

The League recommends establishing a cadre of volunteers who would use their skills to resolve interference problems involving other radio services. This says the ARRL only provided that the volunteers are guaranteed some protection from lawsuits.

## A Universal License

The ARRL says that the FCC can save money by instituting a universal ham radio license. In reply comments on an FCC budgetary issue, the ARRL suggests the FCC reduce its administrative burden by adopting an Petition for Rule Making, RM-8677, which asks the agency to implement the Inter-American Convention on an International Amateur Radio Permit. This the League says could eliminate the burden of processing reciprocal license applications of hams visiting from elsewhere in the hemisphere.

The ARRL also suggests that the United States take advantage of the European Conference of Postal and Telecommunications Administrations' CEPT Recommendation arrangements and issue a universal license that would be recognized by other participating administrations and valid for visits.

## SPOC Lives

The committee of repeater coordinators drafting a Memorandum of Understanding that will be submitted to the American Radio Relay League says that the final version will be made public shortly. According to a release from the committee through Whit Brown, WB0CJX, the Memorandum along with Articles of Incorporation and Bylaws for the National Frequency Coordinators' Council should be ratified by the time this newscast goes to air.

Brown notes that the ham radio media has been most patient in awaiting the final documents to be released. He says that the committee is appreciative for the restraint shown by the press during in the process. This says the committee minimized any premature impressions that may have been perceived during the formulation of the documents and that of the concept of a Single Point of Contact to the FCC on repeater coordination issues.

## FCC Okays Olympic Call Signs

Some good news and some questions about ham radio and next summers Olympic games. Bella Romain N4ILQ reports:

"Hams operating within the state of Georgia may use special call signs from April 15 until August 31, 1996, to commemorate the 1996 Olympics. The question is, will the Olympics let ham radio commemorative operations using the Olympics name take place.

The permit for hams operating in Georgia comes by way of a Special Temporary Authority grant issued by the FCC. Under the plan, any FCC licensed radio amateur operating in Georgia with a "4" in his or her call sign may replace that number with "96" representing the year or "26" in commemorating the 26th Olympiad. That's the simple part. Here is the part that's complex.

Hams with any regional prefix identifier number in their call signs and operating within the State of Georgia may also add Zero Zero to the existing number to mark the centennial year of the Olympic Games.

How complicated is it? The ARRL put out a bulletin and gives the example using WA4BKD in Georgia. During the Olympic STA he could also could identify as WA96BKD, WA26BKD or WA400BKD. An out of state license holder like NG3K, when operating portable in Georgia could identify only as NG300K or simply as NG3K.

The STA springs from an initiative by James Altman, N4UCK, of Atlanta and

the Georgia Amateur Radio Operators Group he organized. They had support in this effort from the American Radio Relay League.

But there is still one unresolved question. Its no secret that the Olympic Games have become a very commercialized venture. As such, the Olympic organizers have issued a blanket ban on any unlicensed promotional use of any words or terms associated with the games. It is unknown if any special exemption will be granted to hams who want to run Olympics commemorative stations using reference to the 26th Olympiad name." N4ILQ

The Olympics start in July. As previously reported, radio amateurs have been barred from carrying any sort of radio gear into any venue while attending the 1996 Olympic games. Even broadcast personnel assigned to the games have been told that no commemorative operation of ham gear will be allowed as it has been permitted in years past.

## New Vice Director For Delta

Henry R. Leggette, WD4Q, of Memphis, Tennessee, has been named to serve as vice director of the Delta Division through the end of 1997. He fills the vacancy created in January when Rick Roderick, K5UR, became director upon the election of Joel Harrison, WB5IGF, as an ARRL vice president.

Legette, who's 56, is a supervisor electronics technician for the Federal Aviation Administration. His team of 13 technicians is responsible for repairing the equipment and software used by air traffic controllers. A life member of ARRL, he previously served as vice director from 1989 to 1991.

## Haller to Speak

FCC Deputy Wireless Telecommunications Bureau Chief Ralph Haller, N4RH will be the keynote speaker at the April 25th Radio Club of America breakfast. The RCA breakfast was set to coincide with the 1996 International Wireless Communications Expo at the

Hilton Hotel and Convention Center in Las Vegas, Nevada. Haller's breakfast speech will take place between 7:30 and 9 am.

### Merrill Eidson, W5AMK, SK

The changing of the guard continues with word of the death of Merrill Eidson, W5AMK on February 5th. For years Eidson ran Eidson Crystals from his home in Temple, Texas.

### James E. McKim, W0CY, SK

Jim McKim, W0CY, of Salina, Kansas, died February 14th at age 80. A life member of AMSAT, ARRL and QCWA, McKim had been involved in satellites since the launch of Sputnik One in 1957. He was also regarded as a pioneer on the VHF and UHF bands.

### Beacon Updates

KE2EDI says that he has been running a 10 Meter beacon on 28.286 MHz since 1979. In looking through the beacon listings in the ARRL "Repeater Directory", he notes that the listings are at least ten years old. He says that some beacons listed have not been on the air for that long, or longer.

As a result, he is asking that anyone hearing Ten meter beacons please jot down the call, frequency, ID cycle and any other info that they know about the beacon, and send it to him on packet to BEACON @ ALLBBS. Hopefully, this will allow those interested to get a "real-time" beacon list of what is really out there on the Ten meter band.

### AROS Returns

From overseas, word that the Radio Society of Great Britain intends to recommence the Amateur Radio Observation Service, or "AROS", and a new volunteer administrator is now required. RSGB members interested in applying should in write to the Chairman of the LAC in care of RSGB.

### FAIRS

The Floyd, Virginia based Foundation for Amateur International Radio Service will operate KK4WW, US5WE, BY1QH, 8R1WD and S21AM in their own countries on May 11th and 12th to celebrate the 5th anniversary of the organization. Listen for these call sign in the General portion of 40, 20, and 15 meters. For a certificate QSL with a 9 by 12 inch SASE envelope to FAIRS P O Box 341 Floyd, VA 24091

### World Class Fox Hunt

Southern California's second international style ham radio fox hunt takes place Sunday afternoon May 5th in La Mirada, California in association with the 1996 West Coast VHF/UHF Conference. According to Joe Moell, K0OV, this will be an all on foot fox hunt contest open to anyone of any age who has registered at the Conference.

"When we had our first International fox hunt last year during Labor Day at the ARRL Southwest Division Convention, 40 hams signed up to participate. Two came all the way from Maryland to the convention just to be in the fox hunt.

This time the hunters will have the option of being on teams. We think the team competition will bring out even more hunters." K0OV

Joe says that families are welcome, but all entrants must compete independently and each entrant must bring his or her own direction finding equipment. All transmitters will be on two meter FM. There will be separate divisions for various age groups, with prizes for winners in each division.

The 1996 West Coast VHF/UHF Conference will be at Gateway Plaza Holiday Inn, 14299 Firestone Boulevard, La Mirada, CA. More info on the conference is available from Southern California Six Meter Club, PO Box 10441, Fullerton, CA 92635.

### FCC Orders ARRL Reinstated to QPC

The Federal Communications Commission has directly ordered a private corporation to reinstate an employee of the American Radio Relay League to the ham radio Question Pool Committee. It's a major victory.

A showdown that could have affected how amateur radio tests are administered nationwide appears to have been avoided. The ARRL has been involved in a dispute that began simmering last year. That's when a group of volunteer examiner coordinators incorporated what had been an informal organization. The new group became the National Conference of Volunteer Examiner Coordinators, Incorporated.

The ARRL said it would not be part of the new group, but the League's VE Department Manager, Bart Jahnke, KB9NM was made part of the new organization's Question Pool Committee. The Committee's job is to maintain question pools for amateur radio license exams administered by various volunteer examiner groups working together.

But tensions grew when Jahnke was removed from the Committee in September, an action the League charged the NC-VEC had no authority to take. In February, the ARRL asked the FCC to declare the current volunteer exam mechanism broken and to create a substitute mechanism. The NC-VEC refused to reinstate Jahnke to its Question Pool Committee, saying the League should be a Conference member if it wanted Committee representation.

But pressure grew on NC-VEC to grant the League's request with a letter from FCC Private Wireless Division Chief Robert McNamara to the Conference's President. McNamara sez it's inconsistent with FCC rules for a VEC to be excluded from helping maintain the question pools because of lack of membership in the NC-VEC or any other organization. McNamara requested that the ARRL's VEC be reinstated to a seat on the

Question Pool Committee immediately. On April 3rd, NC-VEC President Don Tunstill, WB4HOK, contacted Conference members, saying quote,

"Regretfully, recent events have caused me to ask you to reconsider our position."

Tunstill then asked for members to approve appointing the League's VEC to the Question Pool Committee.

Two days later, on April 3rd, Tunstill notified the FCC's McNamara that Bart Jahnke had been reinstated to the Question Pool Committee, effective immediately. The NC-VEC's reversal of its stand apparently ends a dispute that could have wound up in court. Had that happened, volunteer amateur radio license exam programs throughout the United States could have been affected.

### Hams May Fight Spectrum Plan

Amateur radio may soon be fighting to retain some of its primary microwave spectrum. This as the result of FCC approval of a plan to reallocate 185 MHz of spectrum transferred from the Federal Government to the private sector. The Commission also established the scope and timing of future rulemaking proceedings to assign the reallocated spectrum.

According to reports in several communications industry publications, the Secretary of Commerce identified 235 MHz of Federal Government spectrum for private-sector use. Hams will have to fight to protect 2300-2310 MHz from being reallocated and auctioned off is just about to start.

The Commission says it intends to consider all options for the appropriate use of the remaining 185 MHz, including, but not limited to, those addressed in allocating the first fifty megahertz. Public safety radio is a prime candidate for some of the reallocated spectrum. The Budget Act requires that the FCC study public safety spectrum needs and develop a plan to ensure adequate spectrum through the year 2010.

Of this, fifty megahertz has already been allocated that spectrum space to general, commercial fixed and mobile uses and unlicensed services. The remaining 185 MHz is to be allocated and assigned gradually over a 10 year period with a significant portion will be held in reserve.

The text of this rule making procedure is not yet out, but you can expect all timetables to be very short. Because of this, all hams interested in saving the 2300 to 2310 MHz band will have to unite and move very swiftly.

### RM-8626 - RIP

The FCC has said no to a rules change request that would have placed severe limitations on stations issuing ham radio news and information bulletins. The agency did so by dismissing a rules change request filed last year by ham radio publisher Fred Maia, W5YI.

The Maia petition, which had been assigned rule making number RM-8626, claimed that the high frequency ham radio bands were being overrun by bulletin stations. That these bulletin operations were unilaterally setting up shop and causing interference to already established ham radio communications.

But RM-8626 was strongly opposed by the American Radio Relay League. The ARRL viewed it as nothing more than an attempt by Maia to kill off the WIAW Official Bulletin Station at League Headquarters.

"Many of those people thought that I was opposed the WIAW bulletins. Nothing could be further from the truth. I've been a ham and a member of the ARRL for 40 years and a very staunch supported of what they do." Fred Maia, W5YI

The petition also pulled strong opposition from other sectors of the ham radio community that are involved in news dissemination. With little in the way of support the FCC decided to dismiss the Maia petition rather than let it go forward to a rule making notice. The FCC has also made clear that it will not revisit the

issue again anytime in the foreseeable future.

### Barrett Steps Down

FCC Commissioner Andrew Barrett has stepped down from the post after seven years of service. During his FCC tenure, Barrett was recognized for his role in Commission decisions involving personal communications services, universal service, price caps, equal employment opportunity, cable television rate regulation and broadcast ownership. He said he was leaving the FCC with mixed emotions but looking forward to the new professional challenges that lie ahead. Andrew Barrett was nominated to the FCC in 1989 by then President George Bush.

### Grand Jury Indicts In Teetson Murders

A grand jury in Louisiana indicted 18 year old Kevin Coleman March 28 on two counts of first degree murder in the February 21 killings of Floyd Teetson, W5MUG, and his wife, Winnie, WN5YTR. The district attorney handling the case will ask for the death penalty against Coleman, who, authorities say, has confessed to the murders.

### Lucid Operating from MIR

NASA Astronaut Shannon Lucid is not a ham, but she does have special permission from the Russians to operate from their Mir orbital complex during her extended visit. Lucid was studying for her ham radio ticket prior to the launch of the recent STS-76 shuttle flight that brought her to Mir. The rigors of her flight training made it impossible for her to be tested before the mission began. So, as a gesture of international good will, the Russians have approved her use of the Mir 2 meter radio and the ROMIR call sign with licensed Russian Cosmonaut hams in legal control.

Lucid will be on board the Mir for the next several months and will be found on 144.55 MHz FM voice whenever she has the time to get on the air.

## The DXpedition that wasn't! (a.k.a., Plan "B")

by Dick Russell, KJ5VV

All the best laid plans, or something like that! Departure from Shawnee was "as scheduled" 0800, June 16, with a landing at Atchison, KS, to see what lasting tribute might be at Amelia Earhart's home town? Answer: "Not 'much'" at the Earhart/Atchison Airport, except for an annual gathering of 99's on Father's Day weekend. Perhaps there is a museum in town?

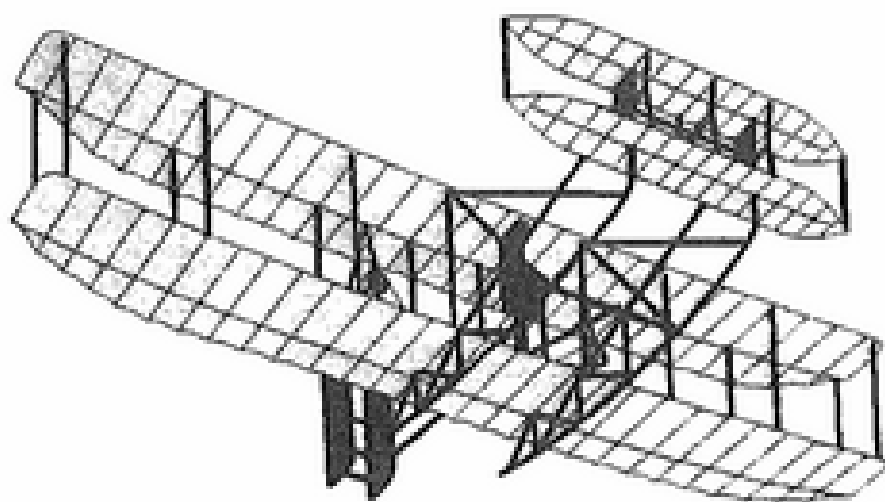
Landing at Beatrice, NE, for fuel [once the home for Beatrice Foods and my folks], I discovered the annual gathering of Meyers airplane owners. I said "hello" to acquaintances of past years and departed for Broken Bow, Custer County, my place of birth. (It is always good to visit one's birthplace; however, this 'ole California cop would have some difficulty "adjusting" to a town of 3800 registered souls!)

A short visit with my uncle, a retired Air Force Colonel, I enjoyed a restful RON, drank his best Scotch, and prepared for Saturday. Enroute to Bismarck, ND, I made contact on 2 meters with a police officer in Atkinson, Nebraska. Small World! Thus far I have had no response to the IPA application I mailed on my return to OKC.

I arrived in Bismarck in two hours to A Hot and hazy 100 degrees in Bismark. I put the airplane to bed and checked into the Holiday Inn. Bismark is the State Capitol and the ONE where the Capital Building IS THE HIGHEST STRUCTURE IN THE STATE!

Tuesday was another hot and hazy, albeit, a short flight to Regina, Saskatchewan. I stopped across the Mighty MO (Missouri) River, at Mandan, ND, a small airport west of Bismarck, for a pancake breakfast before heading north to Regina. Price was right; FREE to visiting pilots! [Is that anything like police officers gathering at the local donut Winchell's?]

Landing at Regina brought me directly over the RCMP Academy. Impressive! VE5AFQ, IPA Member, Ekke, with the assistance of the Canadian IPA Secretary coordinated my visit to the RCMP Academy. I really enjoyed the tour of the Academy, the Officer's Mess, which was Very British, met the Superintendent, Training Officer, and training and PA staff. Military influence is most evident in the RCMP training and I was MOST impressed! This was definitely the highlight of my trip! I also met Peter Rosenwirth, an IPA member and Zurich State Police Sergeant, who was visiting Canada on official business. Small world! Should any of our members ever get near Regina, I highly recommend you arrange for a visit to the RCMP Museum and Academy.



Weather in Regina was HOT for this time of year; two tornadoes struck my first night in town! I departed Regina early Tuesday for Edmonton, with ceilings of only 4000 feet but with excellent visibility; that is, until 50 miles east of Edmonton. I had to file IFR for the last 40+ miles and shoot an actual ILS approach! Scary! Good thing it was not dark! HA! [Cheated death again!].

My host, Clay McAdam, IPA member and retired Edmonton Police Sergeant was a delight, and excellent host. His wife, Utta, is a school teacher as is my wife, and Clay also provided a tour of the Edmonton PD, their museum and the Edmonton Mall! (NOTE: Glad my co-pilot stayed at home for the Mall Tour!) Bob Faulkner, W6RFX, you should have come along!

Weather delayed my departure from Edmonton until after 10 am. The wait was worth it and I had no sense of urgency for the day, or the trip, for that matter! Numerous lakes, green countryside, and smooth flying took me to

Ft. St. John's, B.C. I had plans of meeting a former AF pal and flight engineer at Ft. St. Johns. However, he was delayed due to his helping his son with a home project! I flew on, following the Alcan Highway, to Watson Lake, Yukon Territory, where I made the decision to exercise Plan "B".

My DXPEDITION (amateur radio activity) at Watson Lake was planned for 3-4 days; however, the hotel clerk, made my reservations for July rather than June! NOT GOOD! They were unwilling to accommodate me for the next three days! A call to my contact at Whitehorse ARC, Yukon, REVEALED that he had to leave for Ontario to attend his mother-in-law's funeral. It appeared that Murphy's Law was setting "in"; combining all this information and the forest fires, dense smoke and limited flight visibility to Whitehorse, I elected to "do this another time".

### Lessons learned:

- 1 - Confirm reservations even if "they" say they are confirmed;
- 2 - Have a partner or two accompany you;
- 3 - BE FLEXIBLE!
- 4 - Obtain another 'body' to take pictures or fly the airplane; ESPECIALLY without an autopilot!

Two out of three Ain't all bad is it? I did visit some 'old' USAF crew-mates at Brookings, Oregon, on my trip home. (and that's another story)! "Travel the IOPA is the only way to fly!"

Moral of the story is : Continue to Be Flexible!!!

The International Police Association (IPA) Radio Club holds its weekly net at 1700Z, Wednesdays and Sundays, 21.410 Mhz primary and 14.240 Mhz, secondary frequency, depending upon band conditions and contests. You DO NOT have to be an IPA member to check in and all amateurs, stateside and DX, are welcome. You also DO NOT have to be a member to work for IPA Awards. The IPARC Awards Manager is Bob Faulkner, W6RFX, in Tracy, CA.

IPA membership is open to active or retired peace officers and is 30 Years of age this year founded by a police officer in Great Britain, Sergeant Arthur Troop. IPA was begun to establish a world-wide network of law enforcement officers that include male and female police officers regardless of rank, race, religion, or ethnic background. IPA will NOT try to sell you insurance and you will never have to attend any meetings. However, IPA does encourage and assist peace officers who want to develop friendships with brother officers. Does this NOT seem to reflect the concepts of amateur radio?

Today IPA is a world-wide police brotherhood through amateur radio, travel by IPA members to foreign countries, and email through the INTERNET. IPA members hosted me to a tour of the RCMP Academy in Regina last June and assisted me in Edmonton, Alberta. Come check-into the net, work for the IPA awards, and enjoy another means of friendship through amateur radio. 73 and Good DX. Servo per Amikeco, Dick, KJ5VV, IPA #28302.



*Here's something to consider the next you think you're having a bad day.*

#### FORWARDED NEWS REPORT

"Response to a wildfire on the south of France's Cote d'Azur was billed as a marvel of modern fire-fighting technology. Two specially-built flying boats zoomed in, skimmed the waters of the Mediterranean, scooping vast amounts of water into their belly tanks, and then dropped the water on the hillside fire. All was jolly and the wine flowed freely until a body was found in the ashes.

The coroner found that the gentleman had apparently fallen from a great height, suffering serious injuries before being burned to death. The report further noted that the victim was wearing a bathing suit, snorkel, and swim fins."

#### Newsline (Con't)

##### TWILAR SAT Gone

The satellite delivered ham radio programs This Week in Amateur Radio and the Houston Amsat Net are again looking for new birds to carry them to you. This after the sudden dissolution of the Tech Talk Radio Network and the subsequent loss of Satellite space on Anik E2.

According to This Week in Amateur Radio Executive Producer Stephan Anderman, WA3RKB, it was late Wednesday night April 3rd that he first learned that the satellite outlet had been withdrawn. Anderman says that much of Thursday was spent on the phone with representatives of Skyvision, Inc., the "Tech Talk Network", and the uplink site engineer. A tentative plan to maintain operations on Anik E2 was put together. And by 6:00 AM Friday, the formal proposal to Skyvision had been completed. It wasn't until late Friday evening that it became apparent that Andermans' effort had been futile. Skyvision had simply opted to withdraw its support of the ham radio programming.

Anderman says that discussions with other satellite carriers for the donation or lease of satellite space continue. In the meantime, This Week in Amateur Radio will continue on the high frequency bands using the facilities of WA0RCR's 160 meter Gateway net operated on 1860 KHz. Bruce Paige, KK5DO says to listen for the Houston Amsat Net there as well.

##### RS-12

Speaking of satellites. The RS-12 ham radio satellite is offering strong signals thanks to its newly activated 2 meter downlink on Mode KT. The uplink passband is 21.21 to 21.25 MHz on 15 meters. The 2 meter downlink passband is 145.91 to 145.95 MHz. Activity there is growing every day.

##### JOTA SATS

Still with ham radio satellites, the ARRL Pacific Division Convention is seeking contacts with satellite stations planing to participate in the scouting Jamboree On The Air this year. The show will be hosting a group of scouts at its special events stations, and would like to arrange a few satellite schedules with other JOTA scout groups. If you are planing such a satellite operation, please contact J.C. Smith via the Internet to KC6JI@AMSAT.Org.

##### Homeless Pagers

Congressional lawmakers have shot down a Federal Communications Commission proposal to provide pagers to the homeless. The beeper proposal was apparently thought up as a way of implementing a provision of the new telecommunications law intended to ensure that everyone in the United States who wants phone service receives it.

While calling it a noble idea, representative Jack Fields of Texas noted that pagers for the homeless goes far beyond anything that was ever discussed in the universal service area. Rep. Fields, a Texas Republican who chairs the telecommunications and finance subcommittee said that the idea flies in the face "of what makes sense to the American people. Some FCC officials also had qualms about the plan. Commissioner Rachelle Chong said that she was alarmed by this suggestion, because it seemed a little far afield from the act.

The pagers for the homeless was intended to placate a part of the new communications act known as the concept of universal service. Universal service means that every American must be given access to some form of personal telecommunications service, no regardless of his or her ability to pay.

## APRIL96

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 + + C + I + + + + R E T L I F H C T O N + + + + + + +  
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 + + E + E + + + + + + Y L P P U S R E W O P + R  
 + + U + B T O P E R A T I N G P R I V I L E G E  
 + + Q + S + R + + S E + + + + U + + + + + + + P  
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 + + R + N D S G D + + N E G + + + + + + P W A  
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 + + A + T N E Y N + M + O L B F A N + + + L + L  
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 + + U + G L E A + + + + E O S E N + M R + U + +  
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ALTERNATING CURRENT  
 DAYLIGHT SAVINGS BEGINS  
 DUMMY ANTENNAS  
 EASTER BUNNY  
 HAIL SIZE  
 HAM FESTS  
 HEAVY RAINS  
 MAXIMUM USABLE FREQUENCY  
 MICROPHONE  
 NOTCH FILTER  
 OPERATING PRIVILEGE  
 PACKET RADIO BULLETIN BOARD  
 POWER SUPPLY  
 RAIN FREE BASE  
 REPEATERS  
 SEVERE WEATHER  
 SIDEBANDS  
 SIMPLEX  
 SOLAR FLUX INDEX  
 SPRING FLOWERS  
 SPRING IS HERE  
 STORM SPOTTING  
 STRAIGHT LINE WINDS  
 VANITY CALL SIGNS  
 WALL CLOUDS  
 WEATHER NETS

PLEASE PRINT

I \_\_\_\_\_ Call \_\_\_\_\_

NAME

Address \_\_\_\_\_ Apt \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip +4 \_\_\_\_\_

Telephone \_\_\_\_\_ Do hereby transmit my dues of

\$ \_\_\_\_\_ X \_\_\_\_\_ Total Paid \_\_\_\_\_  
 YEARLY AMOUNT NUMBER OF YEARS

In the (Club Name) \_\_\_\_\_

Month and Year ending: \_\_\_\_\_ / \_\_\_\_\_ Date Paid: \_\_\_\_\_ / \_\_\_\_\_  
 YEAR/MONTH YEAR/MONTH

☐ \$4.00 OF YEARLY AMOUNT IS FOR A SUBSCRIPTION TO CORA'S COLLECTOR AND  
 EMITTER

☐ \$7.00 for Individual Subscription to Collector and Emitter (Funds sent directly to C&E)

Member's Signature \_\_\_\_\_

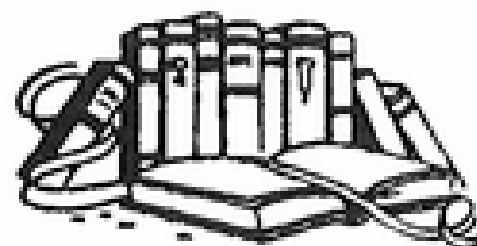
NEW RENEW DROP CHANGE-OLD ZIP/CALL \_\_\_\_\_

Please fill out all the information on the slip. The Dates and Amount paid is required for Postal Regulations.

Telephone numbers are only used in the event of a question on your membership or subscription to Collector and Emitter.

Signatures are not required but requested to verify that you are aware of you subscribing to the C&E.

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MODERN LIVING BUILDINGS

N OKLAHOMA  
NATIVE AMERICA

GRAND, PRE-REGISTRATION  
& SCHOLARSHIP FUND  
HOURLY & OTHER  
AWARDS TOO!!

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MEETINGS  
ARES RACES  
MARS & AMSAT  
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RF & FOX HUNT  
OKLAHOMA QPR  
NATIONAL WEATHER  
SERVICE  
ARRL FORUM  
OTHER TECHNICAL &  
NON TECHNICAL  
PROGRAMS

PRE-REGISTER NOW  
TICKETS JUST \$7...  
\$9 AT THE DOOR  
TABLES JUST \$10..  
\$15 AT THE DOOR  
IF AVAILABLE  
DON'T FORGET THE  
FRIDAY NIGHT EYEBALL  
QSO PARTY  
COME FOR THE PARTY  
& GET AN EARLY PEEK  
AT THE FLEA MARKET

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ADDRESS \_\_\_\_\_

CITY, STATE \_\_\_\_\_ ZIP \_\_\_\_\_

ADDITIONAL REGISTRATIONS \_\_\_\_\_

(NAME & CALL SIGN) \_\_\_\_\_

Reserve \_\_\_\_\_ PRE-REGISTRATION TICKET(S) @\$7.00 ea \$ \_\_\_\_\_

Reserve \_\_\_\_\_ FLEA MARKET TABLES @\$10.00 ea \$ \_\_\_\_\_

Reserve \_\_\_\_\_ SCHOLARSHIP FUND AWARD TICKETS @\$2.00 ea  
or 3 for \$5.00 \$ \_\_\_\_\_

TOTAL \$ =====

Must be postmarked by Monday July 22, 1996.

Tickets will be mailed to you if received by Monday July 15.

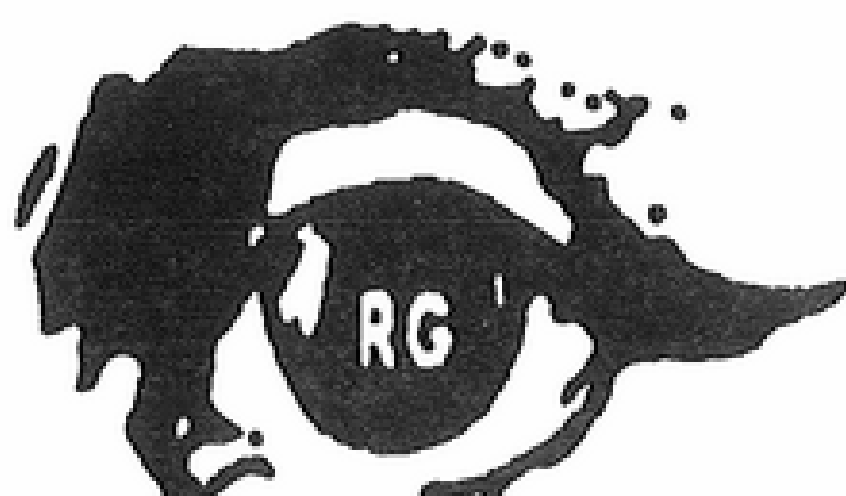
Send Pre-registration Form with check or money order to:

CORA HH96 9230 N. PENN PLACE SUITE 209 OKC, OK 73120



## May 1 to June 1, 1996 Schedule of Events:

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2 7:00p.m. Aeronautical Center 7:30 p.m. CARA	3	4 10:00 a.m. Ada ARC
5	6	7	8	9 Altus Area ARC 7:30 p.m.	10	11 9:30 a.m. SCARS 10:00 a.m. SCARS VE Exams
12 2:30 p.m. Wheatstrow	13	14	15	16	17	18 9:00 a.m. VE Exams (RSC) 11:00 a.m. VHF Club
19 2:00 p.m. EARS	20 6:00 p.m. CORA VE Exams	21 7:30 p.m. OCAPA	22	23	24	25
26	27 Memorial  Day	28 7:00 p.m. Shawnee VE Exams 7:30 p.m. CORA	29	30	31 C&E Deadline 	1 10:00 a.m. Ada ARC



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