

Collector & Emitter

A CORA Publication

January 1996
Volume 22, Number 01
Issue 251
50¢

Postmaster See Page 2
For Postal Information

Second Class Mail

Welcome
Ada Amateur Radio Club
A New Club Joins CORA

The YL Net
Chance For The YLs To Get On The Air



CORA Constitution
(Proposed)

40 Meter Antenna Experiment

Bicycle Mobile in EI

Collector & Emitter**Harold C. Miller, KB1ZQ****Editor****Linda G. Miller, N1LPN****Circulation Manager****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
JOHN E. DOE, KA5ABC		
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.

Dear Secretary / Treasurer:

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.

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1. Aeronautical Center ARC Meets: 1930L, 1st Thursday, FAA, S. MacArthur, OKC Pres: Bob Kremer, WA9FCT 381-3182 VP: Chuck Bryant, KB5ZVZ 737-0423 Sec/Tr: Brad Nelson, KJ0W 793-9470 Editor:	11. Edmond Amateur Radio Society Meets: Odd Months, 1400L, 3rd Sunday, Edmond EOC, Even Months, Dinner, 3rd Friday Pres: John Thomason, WB5SYT 340-1798 VP: Richard Winnard, KJ5QU 840-4237 Sec: Ken Stepp, N5DBM 341-7651 Treas: Sue Snyder, N5VWI 341-8753 Editor: Richard Winnard, KJ5QU 840-4237
2. Oklahoma Central VHF ARC Meets: 1100, 3d Saturday, Ashley's Country Kitchen I-40 & SE 15th St, Del City Pres: Jackolyn Olsen, KA5ENU 842-2305 VP: Ken Eason, KP5JS 789-2200 Sec: Joe Buswell, K5JB 732-0676 Treas: Ellard Foster, W5KE 789-6702 Editor: Joe Buswell, K5JB 732-0676	14. Cimmaron Amateur Radio Assn. 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
4. Oklahoma City Autopatch Assn. Meets: 1930L, 3rd Tuesday, Salvation Army Bldg N.W. 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	15. South Canadian ARS 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
9. Wheatstraw Amateur Radio Club 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	17. Ada Amateur Radio Club 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, KC5EJC 332-1063 Treas: O. J. Collins, KC5DYX 332-7878
10. Oklahoma DX Association 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	Central Oklahoma Radio Amateurs Meets: 1930L, 4th Tuesday, Salvation Army Bldg N.W. 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.

Hello and Happy New Year! There was no CORA meeting this month due to the holidays. So with that I would like to let everyone know what the plans for CORA are for the coming year.

In this issue of Collector and Emitter is the proposed revisions of the CORA constitution. We the board would like to get this voted on in the January meeting. This will enable us to proceed on with the acquisition of an IRS tax number. This will allow CORA to put the funds we have set aside for Ham Holiday to go into an interest bearing account and work for us.

This procedure will ensure a proper audit yearly to the organizations books, I'm not saying we have problems, this will add credibility to our group. Possibly drawing new clubs to join us.

Ham Holiday plans are progressing slowly at this point. Initial letters to prospective dealers have been sent out and we already have one reply to those letters with an affirmative answer.

We need responsible persons to come to the CORA meetings and to volunteer to assist in this years hamfest. Without your aid we may not have a good hamfest. We need people to fill gaps, security will need to be beefed up this year, along with the different forums.

If you have ideas or have seen things done in different hamfests then come to the meetings and let us know your ideas. Ham Holiday is your convention help us make it a good one.

I sincerely hope that all of you and your families had a happy holiday season and a Happy New Year. Those that have had misfortunes this last year our prayers are with you. Let 1996 be a good year for all.

Hal, KB1ZQ

CHIT-CHAT

The holidays are behind us and we are now beginning a new year. It is also that time of year that most of us tend to make promises to ourselves and have a hard time keeping. I decided that I would try and add a few suggestions to that list. They are not hard to keep and who knows you might surprise yourself.

1. Every month when your C&E arrives you will read your club article first. (I said this was easy.)
2. Every day you will remember to tell your spouse how much they mean to you. If you are not married, tell your dog, cat, fish or mailman how much you appreciate them. Be careful telling your boss at work this, they may think you want something.
3. You will smile at least once a day and will laugh at a really dumb joke when told one. Being kind is easier than you might think.
4. You will try and refrain from yelling at other drivers while having your 2 meter rig mike still keyed. (I know this one is a challenge for some of you.)
5. Try to call family members at least every three months. If you don't keep in touch they may tend to think you are upset at them or have passed on.
6. Make an honest effort to really get to know your neighbors. This is very important if you are a ham and into weekend & late night DXing. A friend is more understanding than a stranger when TVI may occur.
7. Become more active in your ham club and attend the meetings, okay how about attending every other month. Club meetings are the prefect place to find help on a project.
8. Try to make an effort to spend some quiet time alone each week. An hour just spent daydreaming. A time to reflect and change things if necessary.
9. Notice the world around you, the wonders of life. There are so many

things we take for granted in our lives, rediscover them all over again. Share a sunset with someone special.

10. Set goals for yourself that are reasonable and reach for them. Know your limitations but never let them stop you from becoming the best person you can be. We all have limitations but together we can meet any challenge.

I know this is one of my shortest articles but somehow I managed to cover the bases I had wanted to cover. Until next month, enjoy life and make every day count.

Linda, NILPN

ARRL AWARD FEES

A new fee schedule for ARRL operating awards takes effect January 1st, 1996. Some fees are unchanged...some rise from 1995 levels, and some are new. The new schedule is based on policy developed by the Board's Membership Services Committee and approved by the Board's Administration and Finance Committee. The goal is to come close to breaking even with the costs of offering awards. In many cases in the past, the League recovered the cost of postage for mailing an award and returning QSL cards, but absorbed the costs of printing the certificates and of administration.

EXAM DAYS

The 1996 ARRL Spring and Fall National Exam Days will be April 27th and September 28th and 29th. Details will appear in the January issue QST magazine.

De Mand Enterprises

"I DO IT ALL!"

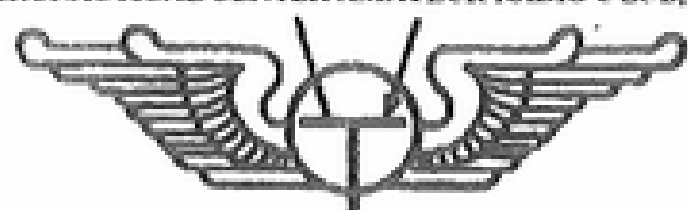
PREVENTIVE HOME MAINT.
INT. & EXT. PAINTING
DRYWALL
PLUMBING

TELEPHONE INSTALL.
CABLE INSTALL.
ELECTRICAL
CCTV

"JUST TO NAME A FEW"

PAGER
790-6497

AERONAUTICAL CENTER AMATEUR RADIO CLUB, INC.



WSPAA

Aeronautical Center Amateur Radio Club

December Meeting (Christmas Party)

The Christmas Party was held on December 14 at the Hometown Buffet on SW 74th Street. The turnout was light with only 15 in attendance. I guess a lot of the other members had other things going on that same night. Needless to say everyone in attendance walked out with the many door prizes that were handed out, and some went out with more than one prize.

A short business meeting was held after dinner. Brad reported that the ARRL No-Code Technician tapes had been received. The classes would start on January 11, 1996. Please notify Brad Nelson, 793-9470 by January 4, 1996 so he has an idea about how many folks will be in attendance. These ARRL video tapes are an excellent source of training material and almost guarantee a pass.

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.

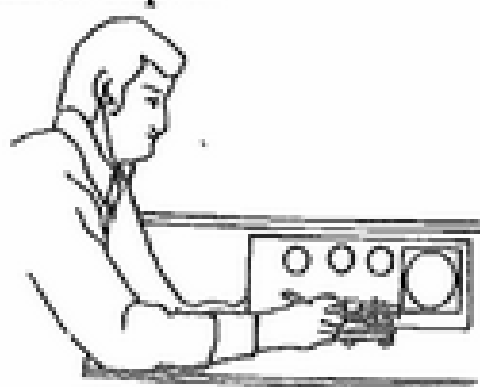
QCWA Chp 63 VHF - Thursdays @ 7:00 p.m. on 145.41 minus input.

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.



The YL Net

YL = Any female ham, regardless of age or marital status.

XYL = Any female non-ham, regardless of age or marital status

OM = Any male ham

Did you know that there is a radio net on 2 meters just for YL's and XYL's? Well there is, and it meets on Tuesdays, at 8 p.m. on 147.09+, the Choctaw Amateur Radio Club repeater. Why a YL Net? So we can get to know each other better and share our thoughts on any number of subjects. We have talked about everything from radios and antennas to how to make Buffalo Chip Cookies. The most important aspect of the net is that we have fun.

We started out with just 6 YL's meeting on Thursday nights and now have a list of 16 YL's and XYL's who have checked in to the net during this past year. All it takes for an XYL to check in, is for their OM to act as control operator. Most OM's would be very pleased to have their partners use the radio. So, if you are not sure about checking into the net, how about just listening during a net and perhaps you will feel more comfortable about talking.

All of the OM's out there, whose partners have been reluctant to consider getting a license can help convince them by tuning the 2 meter to 147.09+ each Tuesday night at 8 p.m.. Maybe we can help to emphasize the value of Amateur Radio.....

73 - 33 - SK - DE - KB5VJR
Kay, usually net control

Up - Coming Hamfests / Swapmeets

January 20, 1996 - Mid winter Swap Meet Sponsored By Tenkiller Area Amateur Radio Club to be held at T. A. C. O. Building, Cookson, OK on Lake TenKiller. No admission fee but there is a fee for tables. Talk in on 145.210. Tickets sold at the door, all funds raised will be used to be used for prizes. Table fees will pay for the rent on the facilities.

For more information contact:

Mike Clemons, KE5NU - 918-436-3287
Clyde Stottlemire, W5TQE-918-457-5959
Dick Wells, KH6FHS - 918-457-3463

March 23 & 24, 1996 - Green Country Hamfest Sponsored by Green Country Hamfest, Inc. VE-Testing, manufacturers, flea market, seminars, dealers, YL forums and much more. For more information contact:

Green Country Hamfest P. O. Box 470132, Tulsa OK 74147-0132

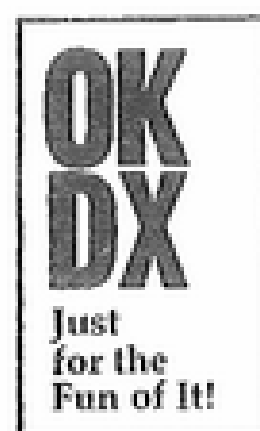
May 12, 1996 - Flint Hill ARC Hamfest sponsored by Flint Hill ARC. Free coffee, parking, Great door prizes, Balloon launch. Talk in on 147.15 or 444.15. Location : Augusta, KS 8 miles east of Wichita on HWY 54. For more information contact:

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

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

Hal, KB1ZQ or Linda, N1LPN - 672-7735
CORA P. O. Box 95942 Oklahoma City, OK 73143 or n1lpn@aol.com

If you know of any other hamfests or swap meets coming up in the future let us know and we will publish the information on these events.



Oklahoma DX Association

From the Prez ...

I hope everyone had a wonderful Holiday Season and I hope everyone got the new Ham radio equipment of their dreams!

As we begin a new year, it is always appropriate to reflect on where we have been and where we want to go. I truly believe that with enough dedication and creativity, we can accomplish anything that we can imagine. I urge everyone to chase their dreams whatever they may be.

The OKDXA begins what I believe will be an exciting year. I am extremely pleased with the increasing membership, the increasing activity on the Saturday net and the plan for a Statewide DX PacketCluster network. Coy, N5OK, has been pursuing a national packet cluster link for Oklahoma City. He is very close to having all the tasks accomplished. In fact, it may be operational by the time you read this! If not, it should be very shortly.

I encourage anyone with DX or contesting interests to connect to one of the states DX PacketCluster nodes. A list of node frequencies is provided later in the OKDXA newsletter. DX PacketCluster software is quite user-friendly. For example, to connect to the N5OK node here in OKC, dial up 144.910 simplex and issue the connect command for N5OK. You will get a welcome message and you may be asked for your name and location. If you are asked for your coordinates and do not want to input them, simply push the enter key. You should then get an ID line looking like this ...

"your call" de N5OK 19-Dec 0140Z >

with the current date and time, of course! You are logged on! You will receive all DX spots that are placed on the network as they occur.

By sending (sending is the act of typing in a command and hitting the enter/return key) a "?" you will get an abbreviated list of user commands. For a more detailed explanation of specific commands type the command, a question mark and then enter.

Send SH/DX to get the latest five posted DX spots. Send SH/USERS to get a list of stations currently connected to the node. You can send a talk message to anyone connected by sending T "their call" "one line of text", for example ...

T WV5S Hi Jim!

Use an "S" instead of a "T" and you can send a message.

When logging off always send a "B" or "BYE". This tells the cluster software you are checking out and disconnects you. Come on and join the fun!

Until next month

Jim Hood, WV5S

Treasurer's Report ...

Membership

The current membership stands at 69 as of this writing (19-Dec-95). This is roughly two-thirds of the 101 members we had at the end of the 1994-95 fiscal year. While this sounds as though we might really be lagging behind in our membership interest, this was pretty much the pattern we followed last year. As I recall we had approximately 2/3 of our final membership signed up early in the year with the remainder garnered during the major hamfests. A list of the current OKDXA membership follows. If you miss seeing the name of a friend, encourage him/her to "re-up"! Those who did not renew before Christmas were dropped from the C&E mailing list.

B	AH9B	Boyer	Craig
BG	AA4BG	Sweetko	Stephen
BG	KB5BG	Burns	Bill
BOB	KB5BOB	Wright	Craig
BS	KC6BS	Yauch	Fr. Felix
C	V73C	Wells	Ken
CDW	WB5CDW	Buck	Ernest
CG	N5CG	Horn	Dave
CKT	W5CKT	Hahn	Clegg
DAV	KA5DAV	Hickman	Carl
DSH	WA5DSH	Case	Lynn
EHU	WD5EHU	Feigel	Don
EK	KB5EK	Anderson	Wade
EU	N6EU	Ruggieri	Russell
EYT	K5EYT	Carter	Bob
FCT	WA9FCT	Kremer	Robt Jr.
FG	KJ5FG	Williamson	Ron
FX	KD5FX	Land	Dave
GD	KG5GD	Kukuk	Rick
GKK	K2GKK	MacDonald	D. C.
GS	AA5GS	Kukuk	Linda
I	AB5I	Hargrove	Loyd
J	AB5J	Phillips	Frank

JE	KE5JE	Abbott	Elton
JEU	N5JEU	Blom	Don
JH	KK5JH	Goodnight	Gerald
JKY	KA0JKY	Longstreth	Helen
JRM	K8JRM	Laszynski	Thomas
K	KE5K	Troy	Warren
KC	K5KC	Case	Ken
KJE	WB5KJE	Gillespie	Robert
KK	K9KK	Vidmar	Richard
KNQ	KC5KNQ	Price	Larry
KWK	W5KWK	King	Charles
KYF	WB5KYF	Weiche	Nancy
LH	KK5LH	Winnard	Toni
LIL	K5LIL	Murta	Ed
NUT	W5NUT	Wood	Gil
OGP	N5OGP	Byard	Mark
OK	N5OK	Day	Coy
OZZ	KB0OZZ	Snodgrass	Pat
PC	N5PC	See	Bob
QD	KD5QD	Buford	Bob
QU	KJ5QU	Winnard	Richard
QVS	W5QVS	Ingram	A. J.
RH	K5RH	Hunt	Ross
RNY	KA0RNY	Bargmann	Nate
RQ	KD5RQ	Matchette	Claude
RRY	W0RRY	Calhoun	Charlie
S	WV5S	Hood	Jim
SA	KE5SA	Perry	Joe
SL	DJ0SL	Binet	Jean
TCW	KB5TCW	Hargis	Jeff
TUF	KA5TUF	Schumann	William
UA	AB5UA	Sikes	Clifton
UDA	W5UDA	Ward	Lee
UHL	W0UHL	Wood	Jon
UIP	W5UIP	Broweleit	Heinz
UR	K5UR	Roderick	Rick
US	N3US	Berkowitz	Ed
VT	K5VT	Thompson	Vince
W	AH0W	Smith	Frank
WE	K5WE	Martin	Jeff
WM	K0WM	Palmer	Bruce
WQ	AA5WQ	Martin	Erik
XR	N5XR	Elliott	Michael
XRD	N5XRD	Hemingway	Richard
YOM	WA5YOM	Vandagriff	Tim
ZQ	KB1ZQ	Miller	Harold

Retroactive dues

As stated in last month's newsletter, the OKDXA membership voted at our November 9 banquet to raise our Association dues to \$20/member, retroactive to October 1, 1995 (the start of our 1995-96 fiscal year). Many had, by this time, already re-up'd at the \$10 level. The Board agreed that instead of demanding the extra \$10 from those who had already paid (after all, what are we going to do ... hold a gun to your head?! tee hee!) that we simply ask for the money. To date, 35% of our membership has voluntarily paid their extra \$10. Thanks a bunch ladies and gentlemen! If you have not as yet paid the additional

voluntary \$10, we would certainly appreciate your support. The added expense of the C&E subscriptions, although quite reasonable, is now taking a regular bite from our Treasury and we would like to spend some bucks on other projects such as DX PacketCluster link development.

C&E subscription costs

CORA's *Collector & Emitter* is a very economical way of disseminating our newsletter. It costs the OKDXA 40 cents/member/month or \$4.80/member/year. We are allowed up to 4 pages (4 sides or 2 pages front & back) of material monthly. This is almost exactly what it would cost the Association to publish and mail our own private monthly 4-page (2 pages front & back) newsletter ... and we save the time and effort of stamping and mailing! One other advantage provided by the C&E is exposure. The C&E is mailed to over 500 readers monthly. Hopefully this will generate interest and help facilitate growth of the OKDXA. Come on in ... the water's fine!

Fiscal year

The OKDXA bylaws state that our associational year runs October 1 through September 30. I know this is confusing and perhaps a little hard to remember. It could be changed by a vote of the membership however now that we have a monthly newsletter we'll keep you reminded! ha All you have to do is make an effort to at least browse our monthly offerings. Look at it this way, at least it is just one more expense that doesn't come due around Christmas! ha

Accountability

OKDXA Treasury "dollars & cents" figures will not be reported in this C&E-based newsletter because it is not a private newsletter. Instead, your Treasurer will have printed financial spreadsheets (as were enclosed in Ross' newsletters) available at every OKDXA meeting, e.g., hamfests, Board of Directors meetings, banquets, and etc. I would also be happy to supply a financial report to anyone requesting such and enclosing a SASE. The OKDXA "books" are open to any member at any time. All receipts and invoices are filed and all major purchases are either initiated or approved by the President or the Board of Directors. Operating expenses are kept to an absolute minimum. Postage costs in 1994-95 were donated.

How about a name?

It has always seemed to me that newsletters need a name. I've already received several suggestions for our OKDXA newsletter. Send in your suggestions and I'll see if we can get the Board to donate an OKDXA cap or tee shirt to the winner. We'll plan on announcing our winner at this summer's Ham Holiday. Send your submissions to N5OGP at the address provided later in this newsletter.

DX PacketCluster node frequencies ...

DX PacketCluster nodes are definitely a "more the merrier" Amateur Radio resource. We'd like to encourage all those who are packet-active to make use of the clusters nodes.

President WV5S and OK DX PacketCluster Coordinator N5OK will be supplying DX PacketCluster usage tips in future newsletters. In the mean time however connect up to your regional DX PacketCluster node, register by answering the questions asked and as Jim has suggested, send the HELP command to download an abbreviated list of all the user commands. Here is the current node lineup ...

Northeast Oklahoma

Jeff Martin sysops K5WE in Coweta on 145.77. Jeff also links northeastward up the Will Rogers Turnpike toward Joplin using VIN51 (Vinita) and JLN51 (Joplin).

Northern Oklahoma

Dave Land sysops KD5FX in Ponca City with user ports on 145.01 and 145.09. Users outside the direct-connect range can connect using the PNC09 (that's zero nine) node on 145.09. It is at 250 feet, 4 miles west of Ponca City. Users as far out as Stillwater and Enid should be able to hit this node when using small beam antennas. First connect to PNC09 and then instruct the node to connect to KD5FX, e.g., "C KD5FX".

Central Oklahoma

The N5OK node is now on the air from the east side of OKC and is sysoped by Loyd Hargrove, AB5I on 144.91.

Southwest Oklahoma

Troy Warren sysops the KE5K node in Lawton on 145.09.

Western Arkansas/Eastern OK

Rick Gregg sysops the N0MSX node in Ft. Smith on 144.91. Rick is planning to add a 145.07 "users" port in about 6 months.

Northwest Arkansas

WA5IED in Fayetteville on ????. Phone number is unlisted.

The DX Cluster which was operated by WX0U in Wichita, KS, has shut down. Jim changed jobs and has moved to Emporia, KS. There was no one willing to take over as sysop.

Meet the Sysops ...

Starting this month we'll be introducing our current DX PacketCluster Sysops. These folks provide a tremendous service to the DX Community, a service that is very time- and nerve-intensive! Thanks guys! Our first "victim" is Dave Land, KD5FX, Sysop of the Northern Oklahoma DX Packet Cluster, located in Ponca City. Thanks Dave!

The Life and Times of KD5FX David Land

I was born the son of a Baptist preacher in Bartlesville, OK. Dad was pastoring the Highland Park Baptist Church. We moved to Shattuck when I was 4 or 5 and stayed there until I was in the second grade when we moved to McAlester. I went through all the rest of school there and graduated in 1972 summa cum goof-off. During my high school years I had a friend who was a ham and so was his dad, I used to go over to their house and play with the radios in the evenings (when I could talk them into letting me come over).

After high school I went to Oklahoma Baptist University and graduated with a B.S. in physics in 1976. I married my best friend's little sister (Sherre) that summer and we moved to Little Rock, AR, where I studied for my Masters degree in Instrumental Sciences (Instrumentation) from the Graduate Institute of Technology which at that time was part of the U of A. It has since moved to the U.A.L.R.

I moved to Ponca City during December, 1978, and went to work for Conoco in the instrumentation engineering group. That's where I met N5PC, Bob See, who again stirred up my Ham radio bug. Bob was my 'Elmer' and helped me work on my Novice which I passed in February, 1981. I was licensed as KA5LDS in March, 1981. Bob helped me set up my first station (a Heathkit HW-100 w/ end fed Zepp antenna) and helped me with all those 'Elmer' things. I kept working on my code (the theory was no problem) and went from Novice to Advanced in November, 1981 a month after my first daughter (Andrea) was born.

I worked my first DX station as a Novice on CW and then got really busy after I upgraded. I installed my first tower in December (!) and put up my first beam which was a 'Swiss-Quad' for 15m.

My second daughter (Erin) was born in 1984 about the time I started messing around with packet radio. She's my "digital" daughter! I've been through so many computers and TNCs since then I don't want to even think about it. I still have my first multimode TNC and I've been using it continuously since August 1986. It's an AEA PK-232 which I've kept up with all the latest revs over the years. I use it for all my keyboard chats and packet node work. It sure has been a reliable machine! I only shut it down when I'm out of town for an extended period or if a really bad T'storm comes by.

I took over care of the PONCA (145.01) digipeater when the Ham who installed it moved away. This was back around 1988 or so. I later added PNC05 on 145.05 and in 1993 put in the first UHF node #PNC1 on 430.55. This summer we installed #PNC51 on 145.51 and this fall added #PNC2 the second UHF node on 446.775. So, we have FIVE nodes all connected together at our PONCA node stack site.

I also take care of the 146.97 & 444.70 W5HZZ voice repeaters sponsored by the Kay County ARC. I serve as Sec/Tres for that club as well. I'm active as a Vice-Prez of the Oklahoma Baptist Disaster Relief Communications group and serve as alternate NCS for that group.

N5PC, N5OGP and I got together in June 1991 and with the help of Craig, AH9B and the Oklahoma Comm Center, installed our DX Cluster here in Ponca City. At that time we used a KPC-4 and two Motorola Maxar radios on 145.01 and .09. The PC was an AT with just 40 Mb. Last summer I upgraded the PC to a 386 w/ 220 Mb disk and 4 Mb of RAM so we would have room for the Buckmaster callbook on disk. I also added a UHF radio and KPC 9612 back in '93 to link with the #PNC1 UHF node out at the node stack.

My HF station consists of a Kenwood TS-850S/AT w/ SP-31 speaker and SM-220 station monitor. The antennas are a dual-band 80/40 dipole and an old Mosley TA-33 at 40 feet. I'm planning to add a 'round robin Marconi' antenna for 160 meters if the WX cooperates.

I am active as a deacon at Ponca City's First Baptist Church where I have been

chairman of the sound committee for 15+ years.

When the weather is nice and nothing else is going on, I get out and ride my dirt bike, a Yamaha DT-175, just for fun.

OKDXA Callbooks ...

Last year the OKDXA purchased the International and North American callbooks for membership use. These were used pretty heavily at first but requests had fallen off to nil by this fall. Perhaps that is because our packet links to the outside world have also been about nil! ha Anyway, is there any demand out there for Callbook information? Would you use the callbooks if we purchased a 1996 set? Make your views known ... yea or nay?

Sources for DX info ...

There are many sources out there for DX information ... magazines, lists, bulletins, books and etc. Some are available only by subscription and some are free, if you know how to get them. We'll use this column for the next few months to introduce many of the most well known and most useful DX info sources. We would even appreciate tips on sources you find particularly valuable.

And since some of these are actually businesses we want to be sure to plainly state our reviews are presented only for the benefit of our membership and are not an endorsement by CORA or the OKDXA. Neither CORA or the OKDXA have pecuniary interests in any of the businesses which we will preview. This month we'll start out with ...

The GOLIST, QSL Manager List
This DX info source is a private business run by Paul and Nancy Smith of Paducah, KY. Their printed *GOLIST* provides a monthly-updated listing of about 3000 QSL managers and about 360 addresses for the oft-quoted and non-in-the-CB QSL routes. Their data is also available on land line BBS and IBM compatible diskette.

The *GOLIST* is THE premier QSL manager list in the Americas and surely ranks head-to-head with the best in the world. I can testify that if your "route" is not in *The GOLIST*, at least by the next month, you are in trouble! ha They even list known "pirate" operations! First a little history

About 17 years ago Jay, W6GO, and Jan, K6HHD, O'Brien began *The*

W6GO/K6HHD QSL Manager List. This newspaper-like publication came to be affectionately entitled "The GO List", a contraction of Jay's call sign, by thousands of DXers hungry for QSL manager and QSL routing information. After 15 years of publishing Jay and Jan discontinued the newspaper-format printed "GO List" (June 1994) in favor of a lighter workload and their physical health. They continued to offer the "List" via land line modem, by diskette for the IBM compatible platform, and an abridged form of the printed *GOLIST* was printed in *The DX Magazine*, published by Chod Harris. At that time they also started seeking a buyer for the business.

In early 1995 Jay and Jan announced the sale of *The GOLIST* to Paul, AE4AP, and Nancy, KB4RGW, Smith of Paducah, KY. The Smiths continued the O'Brien's BBS- and diskette-based *GOLIST* and in October 1995 they resurrected the time-honored, printed *GOLIST* (Yeah!). The new 8.5 x 11 inch printed *GOLIST*, called officially *The GOLIST, QSL Manager List*, is available on a monthly basis. It runs about 12 pages long.

Subscription information for the printed, the land line-based BBS, and the DOS diskette *GOLIST*s can be obtained by contacting Paul or Nancy at DX Enterprises, POB 2306, Paducah, KY 42002-2306. Their phone is 502.898.8863. If you want to send them a FAX use 502.898.8865.

Green Country Hamfest ...

The Green Country (Tulsa) Hamfest is moving to March this year. I'll try to have all the particulars in next months newsletter. The OKDXA will have a table in the flea market and probably a program. We will not have an official lunch.

OKDXA Clothing ...

Caps at the Comm Center

In an effort to both promote the OKDXA and to make our caps more available, the Oklahoma Comm Center has agreed to keep OKDXA caps on hand.

Shirts

We are offering three styles of quality shirts. All come in a multitude of colors listed on the order blank.

- Hanes Beefy-T tee-shirt. These are preshrunk, short sleeve, 100% heavyweight cotton. Sizes are S through XL for \$10, 2X for \$12 and 3X for \$13.

- Anvil Henley-style tee-shirt. The Henley

style is a tee shirt with a 3-button placket collar ... casual yet classy! ha They are preshrunk, short or long sleeve, 100% extra-heavyweight cotton with a 3-button placket collar. Sizes S through XL are \$16 and the 2X is \$18.

* Outer Banks golf shirt. These are 100% combed cotton with a knitted polo collar and welt cuffs. They sport a clean-finished 2-button placket. Sizes S through XL are \$24 and the 2X is \$26.

These are quality, brand-name shirts for dress or casual. And as I say on the order form, "they are guaranteed to absorb those coffee and mustard stains that appear mysteriously during CQWW." ha!

Like the caps, the cost of the shirts has been rounded up to the nearest dollar to cover the sales tax. If you are interested please send me an SASE and I'll mail you an order form. I'm setting February 1 as our second order date so get your SASEs to me pronto!

What is your Email address?

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 at ...

mark.e.byard@conoco.dupont.com

I'll compile them and periodically run the list. Thanks!

Weekly OKDXA Net ...

The OKDXA net continues to meet weekly on Saturday mornings at 11:00 CST. The frequency is 3860 Khz (+ QRM). N5OGP has been serving as the "official" NCS for a couple of years. Join us with your DX info, your DX questions or just a "hello"!

Anyone for Asst. NCS?

Would any of our members be willing to serve as an Assistant Net Control for our Saturday morning net. Several of our members, including KD5FX, WV5S, K5WE, N5OK and N5PC, have graciously filled in when your's-truly can't make it. However, it would be nice to have one person as a contact for backup. This would certainly help the continuity of the Net. I'll take even more than one volunteer! Let me know ... de N5OGP

Kudos column ...

Congratulations go out to the following OKDXA members ...

- * Robert Gillespie, WB5KJE, recently upgraded to Amateur Extra Class.
- * Rick Roderick, K5UR, worked 1A0KM

on 160m ... a 15 year goal realized last month!

Advertise the OKDXA on your QSL card ...

Be sure to request the OKDXA logo on your next order of QSL cards. If your printer does not have the logo on file, please contact N5OGP and I'll furnish the camera-ready artwork. I can mail it to you or to your printer.

And finally ...

Do you have suggestions for our monthly newsletter? Please help your editorial staff by providing us with your ideas. Do you have questions about using DX PacketClusters? How about getting into contesting? Would you like some pointers for beginners? These are things that can be addresses in this monthly forum. Help us make it what you want by passing along your suggestions and desires to either Editor N5OGP or Assistant Editor WV5S. Thanks!

Future significant DX operations ...

KC6 - Jan 13-16 by JAs; QSL home calls.
KH9 - Jan 24 thru 31 by US ops; QSLs to AL7EL

P5 - Early 96?

VK0 (Heard) - 96?

VK0 (Macquarie) - VK0WH currently active on 7010 at 0930Z and 14130 at 1030Z; throughout 96.

XZ - XZ1A in Jan by OH2BH and company; looking for 160, 80 and NA contacts.

Reaching your officers and directors ...

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405.529.2386

Lee Ward, W5UDA
Director SE
Rt. 1, Box 1230
Kinta, OK 74552-9785
918.469.2394

CU next month ...

73 de N5OGP sk

DX

In DX, the old XZ1A equipment remains in place on Myanmar with activity by OH1NYP and OH2BH expected in January. They will concentrate on 160 and 80 meters. XZ1A cards are expected to be in the mail by early January.

And the European PacketCluster shows YA9XL in Afghanistan on 40 meters between 17:30 and 22:30z. The operator says to QSL via F5TCN.

A station with the call sign A51JM claiming to be in Bhutan may be a pirate. He was only on once on C-W and those who worked him say they had to point beams to location other than toward Buthan.

And look for Kermedec Island on the air next year. ZL1AMO, and a group of other New Zealand operators plan to be active in May 1996. Landing permission has already been granted.

Finally, word that the new officers of the Northern California DX Foundation include Eric Edberg, W6DU as President Len Gerald, K6ANP as Vice President Jack Troster, W6ISQ as Secretary and Bruce Butler, W6OSP as Treasurer. The Foundation is well known for its financial support of DXpeditions, worldwide.

**VHF Club****NEWS****W5LOW***Elmer Goekler Memorial
Station***Minutes of December Meeting**

Meeting was called to order by President Jackolyn, KA5ENU, at 12:00 p.m. with 18 members and guests present. Treasurer El-lard, W5KE, was unable to attend so Jackolyn relayed the message that members who have not paid their dues by the end of February will be dropped from the Roster. Charlie, WA5JGU, gave the Treasurer's report, which was accepted. Charlie also relayed the contents of a thank you letter sent to the VHF Club by Major Marshall E. Gesner, Area Commander of The Salvation Army. It related the club's volunteering assistance after the Oklahoma City bombing.

Since VHF Club dues are set at the end of each year, the club passed a motion that they remain the same as they currently are: \$6.00 per year for regular membership, and \$1.00 per year for licensed amateur family members who live in the same household as a regular member.

President Jackolyn appointed Jim, KK5BX, and J.R., KB5WVE as a nominating committee to recommend nominees for next year's offices. All current officers have agreed to accept nominations so if anyone has other recommendations contact these gentlemen, or come to next month's meeting to make nominations.

President Jackolyn appointed Jim, KK5BX, to investigate the need for, and availability of, a secondary repeater to act as a backup in case the 145.41 repeater is unavailable during a scheduled QCWA/VHF Club Thursday night net.

Fred, W5NL, reported that John Williams, KA5VCW, has vacated the Bethany Rest Home and is now living with his brother Jim, K5VRL. Fred also reported that his sweetie, Margaret, is home recovering from back surgery, and that Fred is chief cook and medication administrator (with some help from Rocky).

Pat Wetmore brought a huge bunch of chocolate chip cookies, some with peanut butter, for everyone's dessert. Needless to say, this was certainly appreciated by the VHF Stomach Club. Thanks Pat!

Meeting adjourned at 12:22 p.m.

Joe, K5JB, Sec'y

9600 Packet Repeater

A project that has been a long time developing is finally starting to get far enough along so we can have some fun with it. It is a bit premature to give a full report on the 9600 bps packet repeater, but it is working well enough I just had to tell you about it.

At the risk of leaving someone out -- there may have been others of whom I am unaware -- I want to give credit to J, KB0QJ; Hank, WA5JRH; Joe, WA5VMS, and Terry, K5HP, for the work they put into this thing. I built the regenerative modem that goes into it but Joe, WA5VMS, packaged it, corrected some initial serious problems with the Motorola Micor components, added the IDer, and integrated the thing. When he brought it back to Oklahoma City we got to play with it a little while at Hank's house and then Hank took it to the tower site where it will be eventually installed. I wasn't able to hit it after that. Terry, K5HP, took it home and worked it over thoroughly, finding cause of frequency drift, and some transmitter and receiver instability. He moved it to a temporary site for testing and the power went to zero the next day. He did some patching to get it on the air at low power and we have been successfully using it since then. We think we know what is happening to the power, but Terry will have to take it home to noodle it out some more.

It has been over three years getting to his point. I bought the TAPR modem kit at the Dayton Hamvention (I believe) in the spring of 1992, because we were talking up the desirability of putting a repeater on the air. I put the kit together and set it aside while waiting for the appropriate chemistry to ferment some interest in building the repeater. The main benefit of using a full duplex repeater for packet radio is that it helps eliminate problems caused by multiple stations on a frequency not hearing each other,

and causing collisions, the well known "hidden terminal syndrome".

With this repeater, if a station has enough signal to get to the repeater, and the repeater is able to decode that station's packets, the repeater's transmitter is keyed up and a regenerated copy of the received packet is transmitted. While the repeater is transmitting, other stations that have packets to transmit, if they are decoding the repeater, hold off transmitting until the repeater is done. One thing that we will learn from using this repeater is where problems are and how to correct them when a 9600 bps station is not performing well. When two stations can't communicate it is difficult to tell if it is one's transmitter, or the other's receiver. With the repeater becoming a tie breaker it is lots easier to isolate and correct causes of problems.

As some who tried 9600 bps packet have learned it is not quite plug and play, though it is now much closer than it was. Whereas 1200 bps packet can be plugged together and almost always yield some success with somebody, 9600 bps packet required some surgery to a suitable transceiver, and some adjustment with suitable instrumentation and then there was nobody to play with to see if it worked. I searched through the schematics of several UHF radios that I own and found only one that was really suitable for 9600 bps FM. It seems to be working very well, but I didn't know it until we got the repeater on the air.

I also flew in the face of conventional wisdom and tried to modify a couple of PLL type 2-M radios, and they didn't work very well. The VCOs fought me on the transmit sides, and the narrow IF filters fought me on the receive sides. Even though the radio I am using on UHF (Yaesu FT-708R talkie) works really well, I wouldn't recommend it to others because the surgery was delicate and quite invasive. I ordered one of the Tekk KS-900 transceivers the other day so I could try my hand at one of the plug and play setups. That will free up my programmable radio for other experiments.

More when we know more.

Joe, K5JB



South Canadian Amateur Radio Society

S.C.A.R.S. NOVEMBER MEETING

S.C.A.R.S. held their monthly meeting in the Red Cross building on November 11th. With about 30 people in attendance Don, KJ5KB, acting president, starting the meeting at 9:30 a.m. Don had a few opening remarks to make and then asked Bill, N5UMH, for a report on the treasury. It seemed that S.C.A.R.S. has finished out the fiscal year in good shape. And Bill, N5UMH, reminded everyone that the month of Dec. is when the annual dues are due. Twenty dollars for the year for a single member or \$21 dollars for two members of the same family. This money goes for paying for the monthly telephone bill and the CORA bill and upkeep for the radios which S.C.A.R.S. owns. Bill would like to have all of the members dues paid up by the end of Dec.

Old Business:

Louis, KC5ABI, gave a report a report on CORA and mentioned that the monthly meeting for CORA would be held on Saturday so a few of us who can't make it during the nightly meeting could attend. Four of us from S.C.A.R.S. did attend the CORA meeting, which was held at the Skyline Restaurant. Several items were discussed including on how to get several more clubs involved in CORA. One item of interest was the discussion on Ham Holiday '96. More on this item as it draws near.

New Business:

The annual S.C.A.R.S. party will be held on Dec. 11th, at 7:00 pm at the Golden Coral. They promised us a area to ourself and it should be an evening of fun. See you there.

Since there was no old or new business to discuss, this was a short meeting and a

short report. Remember we will have a regular business meeting on December 9th and we need everyone there as this is the month we elect officers and this month is when dues are due.

S.C.A.R.S. DECEMBER MEETING

It was a bitter cold day on Dec. 9th for S.C.A.R.S. to hold their monthly meeting. About 30 members showed up and a few showed up after the meeting started. Acting president Don, KJ5KB, started on time with a little nudge from the crowd.

New Business First:

Since the club had to meet in a different room, Don stated that it looks like S.C.A.R.S. Will be in need of a meeting place again, as the Red Cross is going to schedule Saturday morning classes. Several places were mentioned, including several places on the University of Oklahoma campus. But as the writing of this newsletter, no place has been decided upon as of yet. If any club member has any ideal, please come forth.

S.C.A.R.S. voted on the motion that we will sponsor a ham class. It was decided that the class start on Jan. 22nd and end before spring break at OU. The 22nd of Jan is the 3rd Mon. In January. A meeting place for the class has not been selected yet.

Old Business:

S.C.A.R.S. got carried away with new business that we for got to ask Bill to give the treasury report. Bill, N5UMH, said that the club's finances were in good shape, even after paying the bills and donating money for the club's Christmas party and said that dues were still rolling in.

Don, KJ5KB, proposed a motion that the club donate \$50 to the Red Cross. Motion passed.

With the old and new business out of the way and the Christmas party mentioned that it would on Dec. 11th at Golden Corral at 7 p.m.

Louis, KC5ABI, said he would volunteer to work Ham Holiday '96 and asked that any member of S.C.A.R.S. that wanted to help him would be appreciated. Randy will have more on this subject as time draws near for Ham Holiday '96.

Election of Officers:

December is the month that S.C.A.R.S. holds its annual election of officers. Mike McEwen, KC5GJL, was elected president. Mike Divilio, KC5GRZ, was elected vice president. Sara Byer, KC5ABA, was elected treasurer and Randy Ridenour, WB5RWN, was elected secretary. Congrats to all of the newly elected officers!

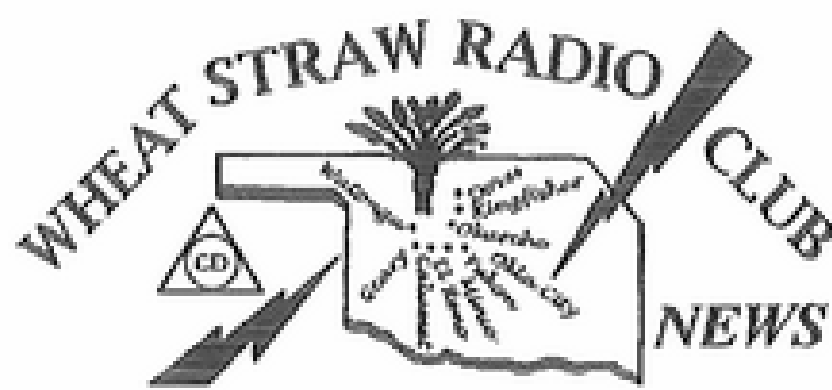
Christmas Party:

About 40 or so members of S.C.A.R.S. showed up for the Christmas Party at the Golden Corral. A lot of food was consumed and a lot of talking going on. With the meal over with, it seemed that the members were getting sorta anxious to see what KB5FCI and N5SOF had bought in the way of small Christmas gifts. Howard, N5HZU younger son volunteered to draw the numbers. After it was all said and done, everyone there got a gift of some sort. As they used to say, "a good time was had by all!"

This will be my last newsletter for S.C.A.R.S. and I hope that I kept everyone informed on the happenings going on with S.C.A.R.S.

Keith Miller - KB5FCI
Secretary - S.C.A.R.S.





Wheatstraw Christmas Dinner

Christmas dinner was enjoyed by thirty club members, plus three visitors: Vera Hladik, and Neva and Kenneth West. Everyone seemed to get all they could eat. If they didn't they could have.

After dinner, before the meeting started, a container was passed around for the usual collection for the Crippled Children's Christmas gifts. Being a little short, Johnny, K5GBN, made a motion we make the gift of \$100. It was seconded by Tom, N5IKN, and motion carried.

The minutes of the previous meeting were approved as read, as was a thank you card from Verlena Selby to the Club.

Having no new business, we went into the elections for 1996. Ralph, WA5PFK, was expecting his pink slip, but was reelected reporter for one more year. There were two nominations for vice president, Neal, N5KCO, and Ray, AB5Z. It was a hard campaign but Neal, N5KCO barely won the office of vice president.

Ray, AB5Z, was nominated to run against Johnny, K5GBN. Johnny, being retired with nothing to do, promised to devote full time to the club if elected. Johnny won by a small margin.

The new information for the CORA club information page for Wheatstraw Club, is:

Pres: Johnny Fish, K5GBN 893-2227
VP: Neal Kappus, N5KCO 262-1551
Sec/Tr: Joe Garland, WA5FLT 893-2660
Editor: Ralph Wilder, WA5PFK 623-5421

At 4:00 p.m. everyone was happy, meeting closed and everyone went home.

Ralph, WA5PFK

Crippled Children's Hospital Children

Some years back I wrote about the crippled

children in the Crippled Children's Hospital. I personally have seen some of the miracles the hospital has done for children that I thought there was no possible way they could be saved. I do not wish to tell anyone what to do, but go see for yourself. A large percentage of parents spend most of their income trying to mend their children's little bodies. Most of the kids have hearts and minds just as you and I.

Every year before Christmas the Wheatstraw tries to remember them. If all CORA members gave up just two cups of coffee per year, and if that money was sent to the Crippled Children's volunteers, just think what somewhere around \$700 to \$1000 would buy as gifts for the children. If you think you can't do that, before you go to bed each night, please thank God for your and your family's health. Ralph, WA5PFK

Lawsuit

"The McFlynn's are suing the builder who built their home. He forgot to put in a bathtub."

"Wait a minute. They moved into that house over a year ago."

"Yeah, but they didn't miss it 'til last month."

Judge to litigant: You say this fellow drove through your fence, knocked down your mailbox, smashed your plastic lawn flamingos, bounced off your porch, and ran into the pickup truck in your yard"

Litigant: That's right your honor.

Judge: Are you suing for damages?

Litigant: Shoot, no! I got enough damages! I'm suing for repairs.

VCRs with Brains

Samsung offers videocassette recorders that deliver updated TV listings. RCA Thompson VCRs automatically bypass advertisements. JVC has "Index Plus" which summarizes up to 400 programs.

Festival of Lights

Kenneth and Neva took Goldie and I to Chickasha to see the Festival of Lights in the Shanoan Springs Park. The art work of displays and scenes were incredibly beautiful. It is too late to read this article before Christmas, but the Festival is shown annu-

ally. The Wheatstraw used to go on lots of caravan trips to such places.

I suggest your activities chairman organize a caravan next year for the trip to Chickasha. If you go, take your cameras.

International Code -- New Zealand

I read in the W5YI newsletter where New Zealand wishes to abolish the code altogether. It is my feeling that Great Britain would also drop code.

At the present time the subject is postponed. It is my opinion that more and more of the WRC will drift that way. In the next five years I look for there to be no code and less amateur classification operator licenses.

I could be wrong in my thoughts, but I fear over crowding of the bands, and a very bad lack of respect for amateur radio, and other radio operators. I hear some things now I think should not be allowed on the air.

Purchase Unneeded

The church meeting at the small town church dragged on and on. The topic that took so much time and caused so much discussion was a chandelier for the church.

Everyone was getting very tired of sitting and losing interest in the topic at hand. Finally one old farmer stood and summed it all up by saying, "We don't need a chandelier in the church, and no one knows how to play one anyway."

Christmas Plans

Our daughter is in the hospital. She has been operated on and is doing fine. It has changed our agenda for Christmas though. We invited our families here for the dinner. We don't know yet where we will be. We have had an invitation to our son John's for Christmas day.

Anyway, I want to take this opportunity to wish all a Merry Christmas, and a healthy new year. I thank Joe Buswell for what he has done for me along with all who work and help with the Collector and Emitter. In the past year it has improved a great lot. I wish CORA to be bigger and better in 1996.

Ralph WA5PFK



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Month and Year ending: _____ / _____	Date Paid: _____ / _____
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<input type="checkbox"/> \$4.80 OF YEARLY AMOUNT IS FOR A SUBSCRIPTION TO CORA'S COLLECTOR AND Emitter	
<input type="checkbox"/> \$7.00 for Individual Subscription to Collector and Emitter (Funds sent directly to C&E)	
Member's Signature _____	
NEW	RENEW
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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.

Thank you for your assistance

CryptoQuote

By Forrest Rush, N5VWF

This cryptoquote is for the DXers and prospective DXers. They are countries deleted from the DXCC list.

1. _____	2. _____	3. _____
KKRS	KUNNUH	GRZGUJRS
4. _____	5. _____	6. _____
OSXNQL UZVUR	XBSIACAPKP IUHBS	XRFPKIUZP
7. _____	8. _____	9. _____
IRZCUPS	ISUPKIP	CBFV QBRKI

CENTRAL OKLAHOMA RADIO AMATEURS, INCORPORATED

CONSTITUTION/BYLAWS (Proposed)

ARTICLE 1 - NAME: The name of this organization shall be Central Oklahoma Radio Amateurs, Incorporated, a non-profit organization, hereafter referred to as CORA.

ARTICLE 2 - PURPOSE: The purpose of CORA is to promote and coordinate group activities of the several amateur radio societies in central Oklahoma. These activities include, but are not limited to, a statewide meeting of Amateur Radio operators to be held annually in, or around, the Oklahoma City metropolitan area; better use of communication skills in support of, but not limited to, the American Red Cross, Salvation Army, Civil Defense, The American Radio Relay League (ARRL); publish a monthly journal, titled "Collector & Emitter", presenting activities and events concerning the hobby of amateur radio in, and around, the State of Oklahoma.

ARTICLE 3 - MEMBERSHIP: Membership in CORA shall be as follows:

a. **SUPPORTING** - Each of the several constituted Amateur Radio societies in the State of Oklahoma, endorsing the purposes stated in Article 2 above, and providing financial, or other support, to this organization may become a Supporting Member of CORA. By associating with CORA, a Supporting Member club agrees to comply with all CORA policies and procedures.

b. **ASSOCIATE** - By virtue of an individual's membership in a Supporting Member club of CORA, that individual shall be recognized as an Associate Member of CORA.

1. An established amateur radio club within the State of Oklahoma may apply, in writing, for Supporting Membership in CORA. The application will be accepted, or rejected, by a simple majority vote at a regular meeting of the CORA Board of Directors.

2. A Supporting Member club may withdraw its membership in CORA by submitting a "Letter Of Resignation" signed by two of the club's elected officers. A vote of the CORA Board of Directors will not be required.

3. A Supporting Member club may be expelled from CORA for: failing to actively support CORA objectives and programs; failing to maintain financial support; demonstrating a continued disregard for requirements and bylaws of the CORA constitution; or any other activity deemed inappropriate to the objectives of CORA, as determined by the CORA Board of Directors.

c. **DIRECTORS OF CORA** - A CORA Board of Directors shall be established as follows:

1. Each Supporting Member of CORA shall, in a manner of their own choosing, identify three of their members to serve as Directors on the CORA Board of Directors for a term of one year beginning in September of each year. Supporting Member clubs shall forward to the CORA secretary, in writing, the names of their Director representatives. Each Director shall have one vote.

2. The immediate past President of CORA shall serve as an advisory member of the CORA Board of Directors for a period of one year and shall have one vote.
3. The Managing Editor and Circulation Manager of "Collector & Emitter" shall be appointed by the President with the advise and consent of the CORA Board Of Directors; the appointed individual/s will be full Directors of CORA for the term served in the stated capacity. The Managing Editor and Circulation Manager shall each have one vote. If an individual serves in both capacities, that person shall have only one vote. The Managing Editor and/or Circulation Manager may be removed by a simple majority vote of the CORA Board Of Directors at a regular meeting.
4. In matters concerning "Collector & Emitter" compliance with U.S. Postal Service regulations, the Managing Editor and/or Circulation Manager are the only individuals authorized to routinely represent CORA before U.S. Postal authorities.
5. A Supporting Member club whose Director is elected President of CORA may choose a replacement Director in accordance with Article 3.C.1 above.

ARTICLE 4 - OFFICERS AND THEIR DUTIES: The elected Officers of CORA shall be President, Vice President, Secretary and Treasurer.

At the annual September meeting, the Directors of CORA shall nominate and elect the above officers to serve for a period of one year. Nominees for the above offices must be a member of The CORA Board of Directors, hold a valid Amateur Radio License and have reached the age of eighteen (18) years of age or older prior to assuming office. Officers shall be elected by the majority vote and hold office beginning on 1 October for a period of one year. There is no restriction on the re-election of any individual to an office they have held in the previous year so long as they remain a Director of CORA.

Duties Of Officers:

- a. The duties of the President shall be: call and preside at all meetings and represent the organization in all matters to external organizations; appoint all individuals and committees as necessary in the administration of the organization's business; call special or emergency meetings of the CORA Board of Directors.
- b. The duties of the Vice President shall be: assume the duties of the President when the President is unable or unwilling to fulfill the duties of office; exercise all authority of the President when acting in the Presidential capacity; assist the President in conducting all activities of the organization.
- c. The duties of the Secretary shall be: keep a written record of the Minutes of each meeting of CORA; prepare and transmit any and all correspondence as directed by the President or CORA Board of Directors; and maintain a historical archive of CORA records.
- d. The duties of the Treasurer shall be: receive and disburse all funds entrusted to CORA; keep accurate records of all funds received by CORA regardless of purpose; disburse funds as directed by the CORA Board of Directors; give an accounting of the receipt and disposition of all funds at each meeting of the organization; and coordinate with the editor and circulation manager of the "Collector & Emitter" as to the status of obligations of Support Members.

Vacancy Of Office/Removal

- a. If the office of Vice President, Secretary, or Treasurer becomes vacant, the President, with the advise and consent of the CORA Board of Directors, may appoint an individual to serve out the remaining term of the office in question.
- b. If the office of President becomes vacant, the Vice President will automatically assume the office of President. A replacement Vice President may be appointed at the discretion of the President in concert with the CORA Board of Directors.
- c. An officer may be removed from office for cause by a two-thirds (2/3) vote of the duly appointed members of the CORA Board Of Directors.
- d. Any officer or appointee leaving their elected/appointed position, regardless of reason, shall surrender to the successor, all records, accounts, documents, and materials relevant to the office in question. The aforementioned materials will be surrendered by the first meeting following the successor's election/appointment. The departing officer may make copies of any, or all, of the material in question for their personal records; copying will be done at the departing officer's expense.

ARTICLE 5 - FINANCIAL MATTERS:

- a. CORA will receive financial support from each Supporting Amateur Radio society. Funds for a specific activity shall be requested by the President from financial Supporting societies upon the approval of the Director membership.
- b. Upon completion of a specific project or activity by CORA, the financial Supporting societies will be repaid their financial support if possible. Any liability for loss shall not exceed the amount allocated for that activity.
- c. A complete accounting of the financial matters of any CORA activity or project will be made available to the financial Supporting Members when funds are returned. This same report shall be published in the "Collector & Emitter" the issue after the subject report has been presented to the CORA Board of Directors.
- d. The fiscal year shall be January 1 to December 31.
- e. Supporting Member clubs shall be assessed an annual subscription fee for each of their primary club members to receive the "Collector & Emitter". Collection of these fees shall be reported to the CORA treasurer in accordance with U.S. Postal Service, Internal Revenue Service, and Oklahoma Tax Commission regulations; Supporting Member clubs should craft their constitution and bylaws to accommodate these regulations. Supporting member clubs shall make it clear to members a "Collector & Emitter" subscription is part of their membership and is not optional. Persons who are members of several Supporting Member clubs will receive only one copy of "Collector & Emitter". Supporting Members who become in arrears of more than sixty days (60) for "Collector & Emitter" billings will be suspended from receiving the publication until financial obligations are resolved.
- f. Persons who are not Associate Members of CORA may subscribe to "Collector & Emitter". The subscription rate will be established by the CORA Board of Directors. Complimentary subscriptions may be granted by a simple majority vote of the CORA Board of Directors.

g. In the event of dissolution of CORA, all close-out expenses, payment of outstanding obligations and distribution of excess moneys shall be made to another 501(c)6 or another organization with an IRS tax exempt status; in no event shall distribution be made to individuals except that CORA has valid indebtedness to the individual.

ARTICLE 6 - EXPENDITURE OF FUNDS: The President shall be authorized to expend up to an amount of \$150.00 in any thirty (30) day period. The President will make good faith efforts to obtain consent from at least two other officers before making such expenditures. The President shall report such expenditures at the next regular meeting and request assent by the CORA Board of Directors. Expenditures above \$150.00 require a simple majority vote of CORA's Officers and CORA Board of Directors in attendance at a regular meeting. Persons expending authorized funds shall present appropriate receipts and bills to the CORA Treasurer to authenticate the actual expenditure of funds.

ARTICLE 7 - VOTING: All matters brought before the CORA Board of Directors shall be decided by a majority vote of the Director members present at any regular meeting.

ARTICLE 8 - MEETINGS: A regular monthly meeting of CORA shall be held to conduct routine business. The date, time, and location shall be determined by the CORA President. Special meetings of CORA may be called by the President as maybe necessary to conduct activities to achieve the several objectives stated in Article 2 above. Advance notice of meetings including time, date and location shall be given all Director Members in a manner deemed the most expeditious by the President. The President may exercise Executive Privilege to restrict the agenda of the meeting to special or critical topics. All CORA meetings will be conducted in accordance with the current edition of "Robert's Rules Of Order".

ARTICLE 9 - CHANGE OF CONSTITUTION: This constitution may be amended by a majority vote of the CORA Board of Directors present at any regular meeting provided they have received thirty (30) days advance notice of the proposed changes. Proposed changes shall be published in the "Collector & Emitter" thirty (30) days prior to the meeting where the changes shall be considered.

I want to thank those interested parties who gave up their time and reviewed the constitution of CORA. This rewrite is needed very much. It will allow us to move forward and to grow. We are an organization with a long history behind us and as times change so we must also. We have the ability to become much more than a collection of clubs. We are moving forward with new insight and trying to recall the old glory of CORA. In years past we have had problems and it is time to move on past those issues.

We are going to attempt to acquire an IRS tax number allowing us to put the funds, set aside for the annual ham holiday, to work in an interest bearing account. This will also ensure an annual accounting by independent persons to verify our books and records are above reproach.

This all takes people being involved and caring about their ham community, we may face some lean years ahead with the federal government going its path as an example. People are not going to want to spend lots of money for frills they don't need or want. So I am asking you the associates of Central Oklahoma Radio Amateurs to come out and support your local Clubs and us here at CORA. We need you to be part of this and to help keep us alive.

Sincerely,
Harold C. Miller, KB1ZQ
CORA President



Edmond Amateur Radio Society

1995 EARS REVIEW

As is customary, the Past-President of EARS writes a year-in-review article, in which the previous year is highlighted. As we move into 1996, I begin this:

January

Today is January 28, 1995, a cool, windy Saturday in Edmond with no visible signs of the heavy snow we got this week. If you recall, it was a beautiful snowfall which ranged in depth from 6" to 12". (Good snowman-building snow!)

We met this morning for coffee and breakfast at Gambill's Country Kitchen. They do serve a nice breakfast. Larry, Dee, Lee, A.C., Richard, Kay, Ken, and Hal, C&E Editor, visited and worked on a few of the world's problems. Hal picked up Lee's 1994 year-in-review article, so you can see why this is on my mind. I like Lee's writing style both in content and spirit. Lee's recognition of Alton, KB5LIC, in his article and Kay's presence this morning both served to "bring home" the positive impact of Alton in EARS and our desire to never waiver in our memory and respect. 73 Alton.

This month saw our Board meeting at Coventry Villa, club meeting at St. John's, and the siren test punctuated by on-again, off-again storm siren performance. Clarence re-wrote the new member letter and, it became a new member booklet. Nicely done! Dee has made a positive impact with the City of Edmond, regarding our club station. Looks encouraging! Toni just completed the last Monday night net for January, which was packed with club activities. We discussed shuttle communications, vanity call signs, club dues, and 911 calls via the autopatch.

We also wished Barbara a Happy Birthday.

February

This month's dinner meeting was held at Pepe's with 45 EARS members enjoying Mexican food. Dee won the door prize, a VHF "how-to" book, authored and donated by OK Section Mgr. Joe Lynch, N6CL.

Jana did the Monday NN last night and does a neat job while providing relief from the antics of yours truly. She processed 22 pieces of traffic. Richard shared the news that two of Frank's class members, Jim and Buford, earned their entry-level license. Toni passed her advanced test this past Saturday. Good work, gang! Clarence, Dee, and Bill (K5SKA) continue to work with Kathleen at Bethany Middle School to get the shuttle mission communication plan together. It is scheduled for early March.

The club station, under the tutelage of Dee continues to develop. Furniture (some procured from TAFB) is being placed in our rooms.

Lee is working on computers and antenna. Our Board meeting was held at the EOC with a strong turnout of club members. Ed (KB5DZU) lead discussion on the constitution- directed review of the club financial records. Pat, Kevin, and I worked on the Edmond C of C Business After Hours project which was held at Santa Fe HS. We assisted in directing traffic. The club was recognized in today's Edmond Evening Sun. A meeting was held tonight at O'Brien's (in Bricktown) to plan the St. Patrick Parade. Lee, Edith, and Jana represented EARS.

March

This month begins with snowfall spread over a couple of days and most schools closing on Thursday and Friday. Today is Saturday, March 4th, which was Shuttle Endeavor Communication Day for Kathleen and other students at Bethany Middle School. Despite good planning on EARS part, the actual communication between the students and the astronauts (KC5AII), did not go as planned. It was

quite a scene with an overhead projection of the Endeavor tracking across our world, and excited students and parents. NASA, because of the communication letdown, is flirting with possibly arranging a second SKED before Endeavor's mission is complete. Toni got her advanced call this week, KK5LH.

March 13th, a Monday, was the second opportunity for the shuttle exercise with Bethany Middle School. Lady Luck was smiling on the effort this time. Several students got to have question and answer exchanges with the ham astronaut. Nicely done! Bill, Dee, and Clarence spent many hours and made several trips to the school to train the students on voice communication procedures. Our March Board meeting was held at the club station and was our inaugural event for this new club resource. All Board members and the following club members were present: Edith Vaughn, Gary Moore, Terry Tiller, and Robert Thomason. Cookies, cokes, and coffee were made available by Dee. Sure was a comfortable setting.

The St. Patrick's Day Parade was on March 18th with EARS playing a key role. About 20 members did the usual staging, coordinating and information relaying. It all seemed to go real well with EARS drawing solid reviews for its vigorous contribution to the parade. Lee, Edith, and Mike put in plenty of time in preparation for the parade, plus 6 hours on parade day. The pre-parade breakfast at the VFW Pancake-Sausage event was enjoyable and well attended.

On the 19th, we had the March business meeting at St. John the Baptist Catholic Church. Thirty-one members attended to hear discussion on a variety of club activities. Kathleen thanked the club for helping with operation SAREX. Dee gave an up-date on the club station and plans to operate on 6 meters. Richard mentioned plans for the April dinner meeting being planned for Johnnie's Charbroiler and the June dinner meeting begin on the Thursday night just previous to Field Day. Special Recognition was given to Frank, Clara, and Toni for their contributions to the club. Jim, KC5MJS, was recognized for being a successful member of our licensing class.

April

This month will long be remembered worldwide for Pearl Harbor Day of modern times. But more on that, to include A.R. participation later. This month, the Saturday morning gatherings continued with several tables of EARS members planning much cavorting. The gatherings at Gambill's were punctuated by razzing of Buford finally filling out a membership application--let's see now if we could get his check!! The Fourth of July Parade committee gave a detailed overview of the thoughts and ideas to improve the parade and gather input. At one of the Gambill's breakfast, we were honored by the James Boys' presence.

The Board meeting this month focused on securing a club station call sign, equipment insurance and completion of the inventory report. Because of another commitment (he actually forgot!) Ken, N5DBM, did not make the meeting. Ace took the minutes. Club members in attendance were N5TWC, KC5MJS, KC5KJE, K5YKD, KA5YPX, and N5OHL. We discussed plans for Field Day '95 and encumbering money for club equipment purchase.

The 19 April OKC Federal Building bombing was (is) beyond description in terms of personal devastation. I will not attempt to do so. Our dinner meeting 2 days later at Johnnie's was attended by 40 EARS members who seemed anxious to seek solace from their friends. Richard and Hal gave accounts of their participation in Health and Welfare activities.

Several EARS members helped in health and welfare with the Salvation Army Disaster Relief of the OKC bomb. We had members who served as net control, transporters, and canteen operators. Because of early-on problems with getting FBI passes, EARS participation in the effort was disappointing, but the quality of those who helped overshadowed the quantity let-down. EARS members helping included: K5SKA, N5KMJ, KG5IP, KV5X, N6CL, N5VWF, and WB5SYT. Hams from OKC, Lawton, Enid, Tulsa, Bartlesville, and N. Texas were part of the tremendous amateur radio

effort. If you don't think hams have skill, compassion, and teamwork; then you haven't been to OK.

Just a few days later, we learned of the passing of C.F. Rush, Forrest Rush's dad. I am so glad we got a chance to visit with Mr. Rush at the dinner meeting. We are thankful to have had Mr. Rush to have attended many of our club's functions. Sue, N5VWI, club treasurer, was given recognition at the dinner meeting for providing creative insights into membership renewals and club money inflow/outflow trends.

The April 30th Mayfest at St. John's Catholic Church was a Sunday afternoon event with cool, overcast skies. EARS helped provide communication and timing for the function which included a 1 mile walk and 8K run with proceeds going to community projects. The following were call signs of those involved in the event: N5DBM, N5VWI, KG5UG, N5IJX, AA5GI, KC5MJS, KA5WGV, and KC5KJE. The repeater gave us a little heart rhythm problem just about start time, but started behaving before the starters whistle sounded.

May

The first week-end of May was quite rainy and saw the wrap-up of the downtown OKC explosion rescue efforts. On behalf of Amateur Radio, Jana, N5KMJ, accepted thanks for our efforts from the Native American children.

Because of the heavy rains this month's siren test was cancelled. Lee and Edith made it back this week from their Dayton (OH) trip. Don't have the details yet, but they appear to have "a van full of goodies". Richard was net-control last night (5-8-95) with Opal's birthday greetings to Mary, KA5WHI, and Joe, N6CL.

Lee talked about repeater maintenance (installation of new components) and the necessity of being comfortable with repeater procedures, and a May 10th celebration dinner for volunteers sponsored by the St. Patrick's Day committee. Jim had a couple of ARRL bulletins.

I telephoned Linda, N1LPN, to encourage her and Hal to submit their May *Collector & Emitter* articles on the downtown explosion to *QST* for publication. Upon submission and acceptance of the article by *QST*, Hal and Linda won the article of the month award.

The May Board meeting had 15 in attendance, including KA5WAV and the Edmond Emergency Services Director, who thanked the club for its readiness following the OKC disaster.

In May, the club had a planning meeting at the EOC, for members interested in being a part of a quick response team. Discussed was CPR training, topography maps, and identification badges. Thirteen club members participated in the meeting. The simplex activity following the meeting nicely demonstrated the utility of direct communication. The May club meeting had 31 members present to partake in KA5WIS's birthday cake. We also recognized three club members who graduated from high school this spring: Steve Guinn, Jason Snyder, and Kyle Granger.

June

This month was intense with a club dinner and Field Day. Our dinner this month was a special Thursday night edition on the 22nd at the Black-Eyed Pea. Wow! What a turn-out. We did have some good groceries, door prizes, and last but not least, a good presentation by N5FM. He spoke on volunteerism, the "KC5" calls, and being in a state-of-readiness. It was nice to have Frank and Alice in attendance. They bring quite a professional-poised flavor to a function.

Our Field Day effort started just hours later at the club station. With the emergency services van serving as a look-out, KA5WI5 set up his solar powered packet station for easy public display. The packet station was sure neat, N5OHL had requested for everyone to try out a different type of communication method during FD '95. The solar-packet operation was quite inviting and, was indeed, taken across the dance floor for a stroll or two. The HF stations upstairs in our club station also wore out a little sawdust on

the dance floor. Sure seems like we had a good turn-out of club members, hams in the area, and members' families. Jim, KC5MJS did a great job with FD publicity. We had radio, TV, newspaper, and space on the Edmond Sun's scrolling message medium in downtown.

Our FD numbers were as follows:

---Field Day Call Sign: N5OHL

---Entry Class: 2A

---Power Source: Generator and Solar

---Total CW Contacts: 364

---Total Phone Contacts: 260

---Bonus Points: -100% Emergency Power

-Media Publicity

-Location in Public Place

-Information Booth

-Message to Section Manager

-WIAW Field Day Message #63

-Natural Power

-Packet Radio

-VHF/UHF

-ARRL members made contacts.

N5OHL put together a super packet of information which documents our FD accomplishments. Very colorful and graphic. His colored maps of our contacts sure made the point that a picture is worth a thousand words! Let's see Jim, could you and Lee show me ARRL bulletin #63 just one more time?

July

On Tuesday, July 4th, the predictable summer heat did not slow EARS effort in helping in a big way with Edmond's parade and fireworks display. This was, as in the past, a large effort from the club to stage, monitor, and pace the parade. Those in charge of the parade and fireworks display freely communicated appreciation to EARS. Our club also helped "preserve and protect" a downtown OKC area for a fireworks display on the same evening as in Edmond. Both site responsibilities started quite early in the AM and did not cease till 10:30 pm or so. Several club members worked part of the day at one site and then moved to the location to lend a hand.

The July Board meeting was held at Crockett's. Dee, how good was the club station air conditioner working that day? Seems like it was not but about 105 degrees that Wednesday afternoon---but it

sure made for an attractive glass of Crockett's iced tea. We discussed the Ham Holiday sign-up sheet, Special Service Club application, and a pictorial designed and developed by KB5RR. It is a yellow map showing the open 2 meter repeaters in OK.

At the July club meeting, the officer nomination process, club tee shirts, and FD 1995 was discussed. N5OHL reviewed the club FD getting excellent publicity, while maintaining a diversity of emission types, bands, and operators. Ham Holiday 1995 was held the last full weekend of July at the OKC fairgrounds. EARS' presence was substantial at HH. As in many years previous, EARS handled on-site registration for the event which was a Friday night and Saturday event only in 1995. Twenty-three EARS folk working in shifts of three or four individuals staffed the registration area, processed the attendee's paperwork, and did a super job as a welcome committee.

August

This month was a popular vacation month for EARS members. The Board meeting scheduled for August 9th did not meet quorum requirements, but did give those in attendance a chance "to sit and visit" and discuss the qualities or lack thereof of the Board members who did not make the meeting.

The August dinner meeting was another Thursday night special which was held on the 17th at the Interurban Restaurant in Edmond. Quite a large room full of the EARS group enjoyed themselves immensely. The dinner meetings, occasionally being on Thursday nights allowed some members to attend our dinner meetings who had not been able to make the Friday night versions. Rick, N5KLM, fits this category. He was in attendance at the August dinner meeting and was a big hit amongst his many EARS friends. KJ5QU's idea for a couple of Thursday night dinner meetings during the year was very positive. It allowed us to patronize desirable restaurants---because they are receptive to group reservations on Thursday night, but not on Friday.

September

On the 10th of this month, approximately 40 students were in attendance for the beginning at St. John's of our licensing classes. What a swell size of class, to begin the process of becoming hams. It kept AA5GI and others moving quickly to do all what is needed to get things underway. Rick, N5KLM, had completed a great publicity effort for our classes. Jim, KC5MJS, also helped with publicity. All this generated a real quality group.

Dee brought the club station to the first day of classes and did a little demo on 40 meters, and was very well received.

The September Board meeting was conducted just before the September business meeting. We welcomed Kevin, N5USQ, as the club's new emergency coordinator. At the September 17th club meeting, we recognized several new club members and enjoyed Lee's demonstration of the repeater's controller. The controller announced at Lee's direction various usage trends to include autopatches. The demo made for a slick way to give a "repeater-report".

On Sunday, September 24th EARS helped with the Crop Walk, a 6.3 mile stroll, which started and stopped in Hafer Park. 12 EARS members helped with this event which is a fundraiser to help solve community hunger.

The Classic Car Show was held on Saturday, September 30th, in downtown Edmond with eleven EARS members either working the very-early shift or the late afternoon shift. EARS helped with traffic control. This event was to help the H.O.P.E. (Help - Our - People in Emergencies) Center of Edmond.

October

On Monday evening, October 2nd, N5OHL, was net-control for our net. Opal presented the only birthday for the week (NILPN). Edith reminded us of the club jackets, and siren test, KJ5QU covered club happenings, and KA5WGV reviewed the 1996 officer nomination committee process.

The October Board meeting was somewhat after 7:00 pm in getting started.

I can't seem to recall the reason. There is a tiny thought somewhere about Dee needing to rewind his Timex or take his naps earlier in the afternoon. Six club members, in addition to the Board attended the meeting. On the 14th the UCO parade was held with EARS a strong facilitator. We had about 15 members who did the typical parade duty. The day started about 8:00 am with our deed done by 11:30 am.

Saturday, the 21st, was a beautiful day for our club picnic at Hafer Park. The chili-stew-pot luck gathering was a festive time, with our club rigs fired up on the HF frequencies. The dessert table was kept warm with the clattering of utensils, bowls, and buckets.

November

This month's Board meeting was punctual and well attended. The club roster shows steady growth and all reports are positive. The call sign will be changing shortly, to reflect the club call, KC5ORP. Dee, WD5FHR, will be the repeater and club station trustee.

Our November club meeting was highlighted by 1996 officer elections, brief discussion of the pending repeater call sign change and a club welcome to the licensing class members. In November, KC5OXM, got his general class license, Onis became KC5RPC, and word got out that KJ5QU achieved worked all states. KC5QQG, Matt, has become quite a contributor to EARS. He was very helpful during the Monday night net on the 20th. He fired up the club station computer and did the net log via computer. Pretty neat stuff! He also is participating in a science fair project at UCO. His topic is Amateur Radio, seems like he won the round and is working his way up in the contest.

During the net we had 30 check-ins and 18 pieces of traffic. Topics presented included the Christmas dinner and the special events station. It was an enjoyable net to do. We, also, got word in November that EARS is a Special Service Club, again. Thanks to all who helped us achieve this recognition.

December

The first day of this month, a Friday, was a beautiful sunshiny start to the final month of 1995. At 0600 hours today, the repeater began self-identifying as KC5ORP. Seems rhythmic on CW and a bit awkward on voice announcement. With time, I am sure the latter will seem more comfortable, as did the i.d. years ago, when the transition was made from KC5GN to KA5WIS.

WD5FHR and K5YKD took full advantage of the weather today and worked on club station antenna. Our heavy winds over the past several weeks had hit our antenna a pretty good lick. I understand they re-guyed, disassembled, and got along real well on installing the isoloop HF antenna. KA5WIS called the monthly siren test and handed out the newly-arrived club jackets. These jackets sure look bright and pretty as a new penny with the large club logo on the back and names/call-signs on the front.

The December 6th Board meeting was well attended with 18 club members present. The year is ending on a very positive note, in relation to club membership numbers, club activity, and club recognition. Those spiffy looking EARS jackets were in abundance and brightened the air at the Board meeting. The home-oven-baked cookies still warm to the touch cookies brought in by N5KMJ were enjoyed by all and very much appreciated! Speaking of warm, it is heart-warming to have new club members (W5TYR) and our licensing students (Judy Johnson) in attendance. The Board voted to buy a run of coax for the club station. Matt (KC5QQG) reported he finished quite high in his Amateur Radio display at the recently held science fair at UCO. Ken (N5DBM) gave a positive update on KB5RR's health skirmish. Clarence recently met up with out-of-state medical providers in an unplanned rendezvous. We were certainly relieved to see Clarence looking so sharp in attire and fit-in-health at the December 16th club dinner. His support and creative designs in the new member booklet, mobile rosters, and membership applications were all very well done.

EARS had two points of publicity in December in the *Edmond Evening Sun*. Our Saturday morning gathering spot, Gambill's Country Kitchen had a feature article with our group mentioned as assembling there frequently. Jim, KC5MJS, composed a nicely written article. He worked in our Christmas Dinner, Special Events Station, and Special Service Club Attainment. On the 16th, we had the Special Events Station at our club station. The club call, KC5ORP, got a good work-out and generated a few pile-ups on 20 meters. The sloper antenna sure seemed to be working efficiently as our 80 contacts will verify. Matt, Richard, Jim, Dee, Ken, A.C., and others seemed to enjoy themselves. Stations from Canada, Delaware, Vermont, Tennessee, California, etc., will shortly be requesting a QSL from the EARS station, KC5ORP.

The dinner meeting had several more in attendance than the number of contacts made at our Special Events Station. It was quite festive as the cool-rainy-foggy air seemed so fitting for a Saturday evening dinner. Several club members worked hard, put in a bundle of hours while favoring us with their food preparation skills. What a spread of holiday groceries! Nicely done! The dessert tables alone were enough for Richard Simmons to shed a tear or two. Many thanks to those who helped set-up the furniture and decorations, which looked splendid. Then an EARS crew took it all down, cleaned up, swept up, polished, and dusted, while making the church facilities ready again.

Kudos to AA5GI, for mentoring our use of St. John the Baptist Catholic Church. Speaking of Frank, he was given the OK Section Award for Amateur Radio Instructor of the Year. The award was given by Joe Lynch, N6CL, Section Manager and is the Bob Moore, KF5DL, Memorial Award.

Joe presented EARS with its Special Service Club certificate. He praised the club for all of its accomplishments. N6CL has recognized EARS several times this year in the section news of QST. The most recent is on page 160 of the January, 1996, QST.

And finally.....73 de John, WB5SYT

Bicycle Mobile in Ireland

by Jim Speck, KK5BX - EI4VNW/M

Last February, my wife Penny and I signed up to take a June tour of Ireland on our tandem bike. Since we thought it would add to the fun to operate two-meter bicycle mobile while riding, and portable at our overnight stops, I decided to apply for an Irish operating permit. A phone call to ARRL brought a packet of information about applying, and included a two-meter repeater map of Ireland. Ireland was listed as a reciprocal licensing country, requiring only a letter with proof of license (copy of FCC certificate), dates of stay, area of operation, bands to be used, etc. In about a month after requesting the permit, the Irish Department of Transport Energy and Communications sent a license with the call sign EI4VNW/M or /P, restricted to 2 meters and maximum of 25 watts, good for three months. (Renewals are permitted with a small fee).

According to the ARRL package, in order to bring up a two-meter repeater you transmit a 1750 Hz. tone burst about half a second in length. After the repeater is up, or if someone else has keyed it, it operates from carrier squelch as any open repeater does in the USA. After a timeout period of disuse, it again requires the wake-up tone. I had read that one could whistle into the mike to operate these repeaters, but I wanted the tone generator built-in, since it would be too late to fix if whistling didn't work. (I never tried to whistle when there, but I didn't hear anyone else whistling either.)

When I called Radio Shack about possibly modifying my HX-202 HT to put out the 1750 Hz tone, they said none of their radios were designed for European operation and they didn't know any way to add the feature. That made a good excuse to buy a new dual-bander, one which could be modified. Oklahoma Comm. Center recommended the Yaesu FT-530 and supplied a tech sheet on the small mod needed to change the squelch test

button into the tone key switch. A careful disassembly of the new radio was done and the solder bridge between two contacts was removed enabling the feature.

The two-meter band in Ireland and Europe is 144.0 to 146.0 MHz. For FM use, all frequencies are channelized. Repeaters are channels R0 to R7, 145.600 to 145.775 MHz on 25 kHz spacing, with minus 600 KHz offset for the input. Simplex are channels S10 to S23 on 145.250 to 145.575 MHz also on 25 kHz spacing. These are the only frequencies needed, and it was easy to load all these prior to the trip into the FT-530 with its 40 two-meter memories.

Repeaters are sparsely scattered over the country, with never more than two in range at any one time from the bicycle. To get the most range from the bicycle mobile rig, I used a 12 volt internal battery pack replacing the standard 7.2 volt pack, giving about 5 watts output. To keep it charged using the Irish 220 AC mains, the 110 volt charger was plugged into a 25 va. 220-110 voltage converter bought from a travel store. This converter did double duty in also powering the electric shaver I carried.

The antenna used on the bike was a 5/8 wavelength whip above a shorted stub matching section, similar in layout to a vertical-J. It is made from a 102" stainless steel bumper mount whip (\$15.00 at Radio Shack) with 9" cut off the big end. It was bent at 22" and 23" from the big end after locally heating the whip with a propane torch. This gave a "J" shape with a 49" radiating section above the 22" one-inch spaced matching section. The whip was vertically mounted on the bike by 5/16" nylon cable clamps to the back of the rear luggage or pannier rack and to a short piece of light aluminum angle bolted to the fender mount on the rear dropout. The antenna was fed by a four-to-one coax balun and RG-58A/U coax at a point adjusted for lowest SWR at 145 Mhz about 11" above the bottom of the antenna matching stub. Penny decided the antenna was the perfect place to display small American and Oklahoma flags.

Everything we had with us had to be carried on the bike during the trip. We had a small back pack, which strapped on the rear rack, and four "panniers" or saddle-bags, two for the front, and two for the back, which carried all our clothes. For the flight to Ireland, the HT, charger, converter and a homebrew portable roll-up vertical-J antenna were in the back-pack as carry-on luggage. The antenna was packed with the bicycle in a cardboard shipping box a Burley "Duet" tandem had come in, given by a friendly bike store. Our tandem, a GT "Quatrefoil" hybrid, was protected by plumbing insulation taped around every exposed tube and stay, with the front wheel removed and the rear wheel in place. The front wheel, seats, handlebars and stems were removed and strapped to the side of the bike with nylon luggage straps, and the whole lot was packed into the bike box with our helmets.

All our clothes and toiletries were packed into the four panniers, each pair strapped together making one luggage item. Because of international treaty, there is no extra charge on international flights, as long as there are only two pieces of luggage per passenger.

We flew into Shannon Airport, in the Southwest of Ireland. After unpacking and assembling our tandem in front of the terminal building, we were dismayed to find the rear wheel was bent and would not rotate, hitting the brake pads hard at one point. The rear wheel may have taken a blow as if the box was dropped on the end. Luckily, by adjusting spoke tensions we were able to get the wheel tracking pretty straight. It was a source of worry for the entire trip, wondering if a spoke would break at some inconvenient or possibly dangerous time. Especially since we had to begin the trip fully loaded.

So, loading the four panniers on the bike, we two set out for Limerick to begin our Irish adventure. Operating mobile was very successful; contacts could be made nearly anytime we could hit a repeater, a range of at least 30 miles. A lot of our route on the West coast of Ireland was outside this coverage, however. While on the Aran Islands, off the west coast of

Ireland, I was told by a Galway ham that when on a coastal island, you're to change the prefix EI to EJ to correctly identify your station, so for a time I signed EJ4VNW/M.

At our stopover points, I tried to get the highest possible room location at each Bed and Breakfast Inn. The roll-up vertical was then deployed as high as possible in the room, and several contacts resulted. Repeaters we used were at Limerick, Cork, and Galway, with a band opening one evening to the east coast repeater at Dundalk, where Belfast stations were heard on the repeater while we were in Knockferry, north of Galway.

On the bike, the HT was carried in a little nylon pouch (the kind which usually carries tire patches, etc.) which I velcro'd to the handlebars. The HT was tied to the bike by looping the carry strap over the bike computer.

No emergency arose nor traffic accident discovered which would have made a good radio story. Just your normal everyday hamming, meeting unseen friends via the airwaves. We covered about 500 miles on the bike in the three weeks we were there, doing from 25 to 60 miles a day, and felt we really saw the country. It was a pleasant experience which the Irish hams had a good part, putting up with an obvious foreign tourist with kindness and grace.

To request info from ARRL for your proposed trip abroad, write ARRL Regulatory Information Branch, Newington CT 06111-1494 and enclose SASE. Mention the country (or countries) on your itinerary to be sure to get the information you need. Be sure to leave as much time as possible, as much as 90 days (per ARRL), for possible administrative delays in the process. Remember, travel is broadening! The subtitle to this article should be "How we ate our way across Ireland."

40m Antenna Experiment

Some time ago I mentioned a switchable 40 meter array I was building into the upper guy wires of my tower. Well, it's now finished and operational. Here's the poop...

I have a 98' Rohn 25 tower. It is guyed, and the guys (all but the top set) are connected directly to the tower and ground guy point...no insulators. The ground guy points are about 75 feet out in all three directions from the base of the tower. It is guyed at 35' (there's a house mount bracket at 10 feet), again at 65', and finally at 95'. The guys at 95 feet are actually broken with insulators and cut as $\frac{1}{2}$ wavelength dipoles on 40 meters. Then, a separate piece of feedline is connected to the center of each dipole via coaxial balun at about 30ish feet out from each of the tower anchor points. The ends of the dipoles are terminated in insulators, and then become the rest of the guy wire...they also serve as functional guy wires (constructed of 3/16" aircraft cable). The feedlines are pulled away from the dipoles at a right angle, and are secured to the tower at the 65' point. At this point I have installed a remote coax switch, thus allowing me to select one of the three dipoles remotely.

The results are astonishing...I never expected it to provide as much directional functionality as it does! After a few days of serious listening, at several times of day and night (to provide signals at several angles of reception), I'm very pleased with my choice. It's the best 40 meter antenna I've ever had.

During the day and early evening, when signals are arriving at a relatively high angle, I see the most directional properties. For example...stateside signals can vary from leg to leg from s6-s7 to s9+20 or more...big difference. The guys on the other end notice the same change on my signal. I've tried it on 2 different rigs to discount s-meter linearity, but got similar results.

In the early afternoon and evening, I can effectively reduce interference from SW broadcast stations by selecting the appropriate antenna.

As nightfall settles in, and propagation gets longer, it's not as effective at detuning broadcast interference...By early in the AM, when ZL's and VK's are rocking and rolling in, I see about 2 s-units difference from antenna to antenna. Not great, but I'm still happy just the same. I was able to use it this morning (about 4:30 am local) to hear a couple of VK's that were non-existent otherwise.

Well, there you have it. No rotators, no vertical arrays...just another use for my top tower guys.

73 de WB4IUY

Fun in the Snow...

The hams from OCAPA that attended this years club Christmas Party received a surprise gift from Old Man Winter. Those that decided to brave the weather, had fun in spite of the snow.

The party was on the 18th of December and it was at a new location, no one knew the time it was to begin and many were not sure what to bring. It was a covered dish affair with the club providing the meat. Tickets were sold to raise funds for the scholarship they award each summer.

Snow began falling as we left the house and we had problems finding the place. We located it by the flag pole. You couldn't see the streets either, everything was blanketed in white. It was a challenge for some to locate the parking lot area.

Inside was warm and food was being set out when we arrived. The tables all had candles and an assortment of bears arranged with Christmas flowers.

Christmas music played softly in the background and as time moved on, more people arrived. The food was good, the candles glowed, a drawing held and everyone had fun. We braved the snow.

N1LPN

Amateur Radio Newsline

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TOR FLOAT HAM STATION

Amateur radio will be part of a Southern California tradition. A live ham radio station will be operated from a float in 1996 Pasadena Tournament of Roses Parade. The Edison Amateur Network has accepted an invitation from the Southern California Edison utility company to install a ham radio transceiver on board the company's float. The station will be operated by Jim Walls, WB6WMW.

This will be one of two special event stations planned by the club to help usher in 1996. The other is an ongoing event from Fiesta Parade Floats in nearby Azusa. That station will be on the air every day that S.C.E. personnel are at work finishing the Company float. That means every Saturday until Christmas and then daily until New Years Eve. Both stations will use the club callsign WB6UCD.

This is only the second time in the history of the Tournament of Roses Parade that a ham radio station has operated from a parade float. Back in the 1980's, Pete Hoover, W6ZH operated a Ten-Tec high frequency transceiver from a float. The first ham to transmit a signal from a float, though not on the ham bands, was Howard Lang, WB6UFM. In 1986, Howard donned a Davey Crockett costume so he could operate a point to point broadcast remote microwave transmitter tied to a television camera for KTTV television. The pictures Howard relayed back for the first time gave viewers at home a float rider's eye view of the parade.

FORM 610-V

A form many amateur radio operators have been anxiously awaiting, Form 610V is now available. 610V is the application for Vanity call signs. In response to requests by radio amateurs, the American Radio Relay League has mailed 9,000 copies of the form. If you requested one from the League and don't receive it by December 16th, call area code (860) 594-0300. There is one big catch to the new form's availability. While you can obtain a copy, you still can't turn it in, that's because the FCC is not yet accepting 610Vs for filing. The Commission is expected to announce opening dates for the first vanity callsign filing gate in early 1996. You can obtain FCC Form 610V, along with FCC vanity callsign information fact sheet PR-9000 number 206V by writing to the ARRL. The League's address is 225 Main Street, Newington, Connecticut 06111. Be sure to include a self addressed stamped envelope. You can also obtain Form 610V from the Internet at <http://www.FCC.gov/forms/form610V>. The Commission's Forms Distribution center will accept orders in about a month, you can call the center at 1 800 418-3676.

SHURE OBIT

The inventor of the modern microphone has died. Sidney N. Shure founded the Shure Radio Company in Chicago back in 1925 as a parts supplier for early radio experimenters. The first microphone produced Shure produced was a twin-button carbon unit in 1932. Five years later, Shure developed the first modern noise canceling microphone followed a year later by the first magnetic based microphone. By 1939, Shure had invented and patented the Unidyne which was the world's first single element directional mike. The company became Shure Brothers Inc. in 1928. When the government needed huge quantities of high reliability shock proof microphones during World War II, it turned to Shure as one of its primary suppliers. Responding to the need, Sidney Shure recruited and trained hundreds of new employees in a

program he called "Microphones are weapons of war." After the conflict ended, the government commended the company and Mr. Shure with three joint Army-Navy awards for excellence in service to the nation.

After the war, Sidney Shure continued building all of the company products to strict military specifications. This includes the microphones used by ham radio operators over the years. Sidney Shure died in Evanston, Illinois October 17th at the age of 93. He's survived by his wife Rose and two children.

RSGB SATELLITE FUNDS

The Radio Society of Great Britain has once again said yes to the Phase 3D ham radio satellite! According to a recent GB2RS bulletin, Society President, Clive Trotman, GW4YKL, has presented a cheque for 25,000 Pounds to Ron Broadbent, G3AAJ, of AMSAT-UK. This, in support of the AMSAT Phase 3D satellite project. In addition, the Society's Council has agreed to make a further contribution of 25,000 Pounds on condition that AMSAT-UK raises a similar amount from other sources.

SECOND NEWSLINE WEB AUDIO SOURCE

A second World Wide Web site now offers an audio version of Newsline. This one has been put on line by Hank Armstrong in Santa Clarita, California using I-WAVE technology from Vocaltec. Hank says the fidelity is excellent. You can find out for yourself by visiting the site at <http://www.smartlink.net/~hca3>. If you missed that rather complex Universal Resource Locator you can send an information request to Hank Armstrong via the internet. His e-mail address is easy to remember. It's simply Hank@Hank.com.

FCC BOOK ON THE INTERNET

The FCC Interference Handbook now is available on the Internet. The 22 page booklet, available from the Compliance and Information Bureau via the FCC World Wide Web home page, includes the same information and illustrations contained in the recently published Interference to Home Electronic Entertainment Equipment Handbook. It includes information about equipment installation, identifying interference sources, curing interference problems, and filters. You'll also find a list of home electronic equipment manufacturers and telephone numbers. Pictures illustrate different TV interference problems, including ham or CB transmitter interference.

EAS DEADLINE EXTENDED

The FCC has extended the deadline for implementation of the new national Emergency Alert System to January of 1997. The original deadline was July 1st 1996, but the Commission gave into broadcast industry pressure and has granted the time extension. In filings before the FCC, broadcasters argued that the July date did not give them adequate time to equip all stations for the switch over. The EAS is the first alerting system crafted to include private communicators in its operations. The Emergency Alert System replaces the old Emergency Broadcast System or EBS which is a hold-over from the cold war days.

HANDI HAM CAMP DATE CHANGE

Newsline correspondent Linda Reader, N7HVF reports a date change for the 1996 Handi Ham California ham radio camp. Linda says the new date is March 3rd through the 10th. This is several weeks later than in past years and breaks a long standing early winter tradition for the camp. If you'd like more information on the camp or the Handi Ham assistance program for the disabled, you can write to the Courage Handi Ham System, at the Courage Center, 3915 Golden Valley Road, Golden Valley, Minnesota 55422.

NORTH TEXAS BALLOON PROJECT QRT?

Has the North Texas high altitude ham radio balloon project come to an end? Doug Howard, KG5OA says via the Internet that it's unclear if or when another amateur radio balloon will be launched by the group. Doug says it appears the interest level has declined to a point where the project may indeed be complete. He notes that there is still a substantial audience around the country for the project, but adds that it takes a large, committed effort from a big group of people to actually make a mission succeed. Maybe we'll launch again, Howard says, maybe not.

MIR QSL NEWS

This quick note. Dave Larsen, N6JLH, is now the new QSL manager for the USA

for all Mir space station QSL cards for the call sign R0MIR and R0MIR/1. All older call signs have to go to Russia.

GET WELL ART

If you have ever used a ham radio repeater, then you owe a debt of gratitude to a California ham named Arthur M. Gentry, W6MEP. Back in the late 1940's Art Gentry began experimenting with advanced receiver designs of that era that led to the development of the first practical ham radio repeater. His system, using the call sign K6MYK, came on the air in the early 1950's from atop Mt. Lee. That's the hill overlooking Los Angeles that is home to the famous Hollywood sign. Every repeater on the air today can literally trace its ancestry back to the early experiments of W6MEP. But time has taken its toll on Art's health. A few years ago, he turned over the day-to-day operation of the system to his longtime friend Bill Arens, N6NMC:

"Art just recently had surgery and since had to go into a rehabilitation facility in order to try and get him to learn how to walk again. He is 89 years old. Let's face it, at that age we don't recover quite as quickly as when we are younger."

As Christmas approaches, it occurs to Bill Arens and to us here at Newsline that it might be a nice gesture for all of those hams who use repeaters for day to day hamming to take a moment to express their gratitude to W6MEP:

"If everybody who uses a repeater today would appreciate the fact that Art was one of the forefathers of ham radio repeaters. One of the first in the world, commercial

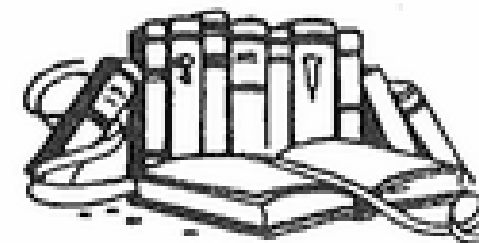
1631 SE 15th

677-9001

Skyline Restaurant

"country cooking"

Bryan, Cindy, Jennifer and Jessica



The Book Rack

1717 S. Air Depot
Midwest City, OK 73110

Comics and Science
Fiction A Specialty

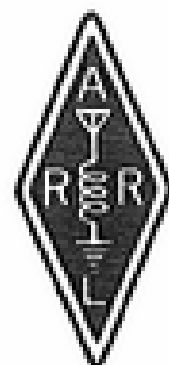
TERRY L. SMITH
Owner
(405) 737-3781

or otherwise, to put a repeater on the air. And all the red tape he had to go through with the FCC. The little beep tone you hear on a repeater, he is the one who invented that. Simple things, everyone out there using a repeater, if you would just send him a QSL card, a Christmas card, anything. He is good in the callbook. I'm sure it would mean a lot to him."

Please take a moment to jot down your wishes to art for his speedy recovery. Send your card to:

Art Gentry, W6MEP
7832 Jellico Avenue
Northridge, California
91325

We at Newline join with Bill Arens, N6NMC and the user base of the W6MEP repeater in wishing our longtime friend Art Gentry a speedy return to good health. We also will add that if Art had not invented the practical ham radio repeater, you probably would not be listening to Newline right now.



A. R. R. L. Bulletins

From ARRL Headquarters
Newington CT

ARRL Bulletin 112
December 19, 1995

Spread spectrum changes
The ARRL has asked the Federal Communications Commission to relax its spread-spectrum regulations to give Amateur Radio more opportunity to contribute to spread-spectrum development. The League's petition for rulemaking, filed in December, seeks relaxed restrictions on spreading sequences and greater flexibility in spreading modulation. The spread-spectrum technique, which distributes information among several synchronized

frequencies within a band at the transmitter and reassembles the information at the receiver, was first approved for Amateur Radio in 1985 for bands above 225 MHz, and there has been some experimental amateur operation since then.

The petition proposes that the FCC permit brief test spread-spectrum transmissions and allow international spread-spectrum communications between amateurs in the US and those in countries that permit hams to use spread-spectrum techniques. The current rules allow only domestic communication. The petition also asks for automatic power-control provisions to insure use of minimum necessary power to conduct spread-spectrum communication and limit the potential for interference to narrowband modes. The petition does not ask for any changes in frequency restrictions on SS emissions, the 100 watt power limit or logging and identification requirements.

In urging the FCC to adopt the changes, the League's petition calls the proposals the minimum necessary changes in order to foster SS experimentation in the Amateur Service.

ARRL Bulletin 111
December 19, 1995

New 2300 MHz uses
An October report by the National Telecommunications and Information Administration (NTIA), entitled Land Mobile Spectrum Planning Options, suggests a new use for the band 2300-2310 MHz, now allocated to the Amateur Service on a secondary basis. The report states that the band has potential for new, non-Federal radio location, fixed and mobile communication technologies. The report also notes that constraints are necessary for the protection of NASA's Deep Space Network and Planetary Radar operations in an adjacent band. A table in the report describes a possible future use of the band as Wide Area Land Mobile.

The 2300-2310 MHz band is expected to be the subject of an FCC allocation proceeding as a follow-on to ET Docket

No. 94-32, which dealt with 2390-2400 and 2402-2417 MHz.

ARRL Bulletin 110
December 8, 1995

Nominations Open
Nominations for the ARRL Instructor of the Year awards are due to ARRL Section Managers by January 31, 1996.

Each year, the ARRL Board of Directors selects recipients for each of four award categories. The ARRL Herb S. Brier Instructor of the Year Award is presented to a nonpaid volunteer instructor. The Herb S. Brier award is co-sponsored by the Lake County, Indiana, Amateur Radio Club. The ARRL Professional Instructor of the Year Award is presented to a paid, professional teacher. The ARRL Professional Educator of the Year Award is presented to a paid, but not certified, instructor. The ARRL Excellence in Recruiting Award is presented to someone who recruits more than teaches.

Section Managers forward nominations to the Educational Activities Department at ARRL, and EAD will send details to nominees about how to compete for the awards. See QST for your Section Manager's name and address.

ARRL Bulletin 109
December 8, 1995

FCC Vanity Call Sign
FCC Vanity Call Sign Application Form 610V is Now Available FCC vanity call sign application Form 610V is now available, but the FCC is not yet accepting completed forms for filing.

In response to requests by radio amateurs, the ARRL has mailed 9000 copies of the form. If you requested one from the ARRL and do not receive it by December 16, call 860-594-0300.

The FCC is expected to announce opening dates for the first vanity call sign filing gate in early 1996. You can obtain FCC Form 610V (along with FCC form 1070V and FCC vanity call sign information fact sheet PR 9000, number 206v) by writing

ARRL, 225 Main Street, Newington, CT 06111. Please include an sase.

Form 610v also is available from the FCC via the internet at <http://www.fcc.gov/Forms/Form610V> or <ftp://ftp.fcc.gov/pub/Forms/Form610V/>, or by fax at 202-418-0177. Ask for Form 006108.

The FCC Forms Distribution Center will accept orders in about one month. Call 800-418-3676.

ARRL Bulletin 107 December 6, 1995

HPM Award nominations

Nominations are now open for the Hiram Percy Maxim Memorial Award. This award goes annually to a radio amateur under age 21 whose amateur radio accomplishments and contributions are exemplary. Section Managers nominate individuals based on, but not limited to, participation or leadership in local or national organizational affairs, technical achievement, operating record, recruitment and training of new amateurs and public relations activities. Nominations should thoroughly document the nominee's Amateur Radio achievements and contributions during the previous calendar year. An award panel reviews the nominations and selects a winner. The winner gets 1000 dollars, an engraved plaque, and a trip to attend an ARRL convention for a formal presentation. The nomination deadline is March 31, 1996. Section Managers may nominate more than one person. For more details, contact Rick Palm, K1CE, Field Services Manager, at ARRL Headquarters.

ARRL Bulletin 106 November 30, 1995

PRB-1 clone in MA

A new law in Massachusetts will put the language of the FCC's federal preemption of state and local laws affecting amateurs (PRB-1) on the books in that state when it takes effect next year.

H-2782, a bill in the Massachusetts legislature, was written by ARRL

Volunteer Counsel Thomas Carrigan, WAINVS, in 1992. The bill was passed by both chambers of the legislature earlier this year, then sent back to the legislature by Governor William Weld, for modification. Both chambers of the legislature then enacted the bill in the last week of this year's legislative session and sent it to the governor, who signed the bill into law on November 21.

The bill becomes law 90 days after signing, and is assigned to Chapter 225 of the Massachusetts General Laws.

Eastern Massachusetts ARRL Section Manager Phil Temples, K9HI, said "Like PRB-1, the new Chapter 225 does not give amateurs a green light to do anything they want to do with their antennas. You are still bound by the zoning laws of your city or town, and you will still have to go through the same process for approval that you have to go through now.

"So what's the difference? Now, when you go to your town hall, you can point to Chapter 225 as requiring that local regulations be reasonable. If you should find it necessary to go to court for satisfaction, you can choose state court or federal court. State court trials would be less expensive, but the precedents set in PRB-1 cases do not transfer to Massachusetts courts," Temples said.

Carrigan has written a primer for Massachusetts hams on what the new law means. It is available on the World Wide Web at <http://www.ultranet.com/~shawn/wainvs.html>

Temples also suggested that Massachusetts amateurs who contacted their representatives and senators in support of H-2782 now send a note thanking them for their support.

ARRL Bulletin 105 November 29, 1995

Award to Wyoming youth

The ARRL Hiram Percy Maxim award has gone to Beth Harris, KJ7FC, a 15-year-old Amateur Extra Class licensee in Cheyenne, Wyoming.

Beth was first licensed as a Novice in 1993 and advanced to Extra Class in little over a year. She is an active operator and a member of the SHY-WY Amateur Radio Club in Cheyenne.

Beth, a sophomore at Cheyenne East High School, is active in several student organizations, including French and Amateur Radio clubs, and has been singing in choirs since she was five.

Beth was nominated for the award by Paul M. Crips, KI7TS, a communication technology instructor at Carey Junior High School in Cheyenne, who said Beth "has a true love of life, learning and exploration. With young operators like Beth, Amateur Radio will always have its rightful place as a national resource."

Beth was honored at a luncheon on November 15, attended by her parents; school officials; ARRL Wyoming Section Manager "Rev" Morton, WS7W; former Wyoming SM Steve Cochrane, WA7H; ARRL Public Information Officer Wilson Sellner, WB7RRZ; and ARRL Rocky Mountain Division Director Marshall Quiat, AG0X.

The Hiram Percy Maxim Memorial Award recognizes outstanding under-21 licensed amateurs and includes a 1000 dollar cash award. Nominations are made through ARRL section managers with a deadline of March 31 each year.



Happy New Year 1996!!!

A LOOK INTO OUR PAST : May 1978

Spring will soon be here bringing the storm season with it. The following article is the first of many that we hope will help you in the coming months during storm watching season. Jack Bickham, KU5B, novel TWISTER should not be confused with the soon to be released movie by the same name. Jack is very active writing novels. When he is not busy, he does attend the morning coffee group. NILPN

Tornado Behavior

A few fellow amateurs who have read my novel TWISTER have been kind enough to suggest that a few observations from my research on the subject of tornadoes might be interesting to readers involved in storm-watching nets. I'm not sure how much help these gleanings may be, but here it goes.

The uninitiated sometimes gripe about all the severe weather watches issued during the spring, but the fact is that the issuance of such watches is one of the few things about tornadoes that can be done with any real degree of accuracy. The elements which produce severe thunderstorm potential are fairly well understood, and include such items as stratifications of temperature and humidity in the lower atmosphere, low pressure centers, availability of cool-dry and warm- moist air masses, jetstream behavior, and so on. When a watch suggests that something may happen, it is based on solid evidence.

This does not, of course, mean that severe weather will always develop. Nor does the absence of a watch mean there is no chance of trouble. Not many years ago, a tornado struck one Oklahoma community when no watch or warning was in effect. And many of us have been out on spotter assignments for storms that fizzled.

Still, the accuracy of predicting some likelihood of severe weather is very high. On April 1, 1974, Al Pearson, director of the National Severe Storms Forecast Center in Kansas City, sent a unique message to National Weather Service offices in the eastern half of the country. He told offices to pull maintenance on radar units immediately, if needed, and to have everything back on line by the night of April 2. He suggested that regular days off be canceled on the third, as the potential for severe weather would be high.

Unfortunately for many, Pearson's message was not one of those April Fool things made famous by Mike Salem. On April 3, 1974, the eastern half of the United States was hit by more than 150 tornadoes, the worse outbreak in the history of this or any nation.

Everything else about tornadoes, however, is freaky.

Radar? Sometimes it sees 'em, sometimes it doesn't. Sometimes it sees a hook echo when there is no tornado. Many experts admit privately that the value of radar is vastly over-rated by the general public, but if it makes people feel better, well...

The wall cloud? It's often a good indicator. But the spotter who watches only the southeast quadrant of a cloud, seeking a wall cloud, may get a nasty surprise. Tornadoes have hit before the rain, during the rain, and after the rain. They have developed in various quadrants of clouds. They have struck communities from every compass point, and some have been tracked through enormous U turns, coming right back where they started. Some research tends to indicate that a tornado sometimes turns to a more northerly course, from its usual southwest-northeast path, in its dying stages; many did that in April 1974. But you can't count on that either.

Spot 'em by the lightning at night? Or see if channel 2 on the TV acts funny? Great. But only 20 percent of tornadoes are electrified. Although some of the storms that hit Ohio and Kentucky in 1974 produced incredible electrical displays, some twisters had no lightning at all associated with them.

Watch toward the southwest? Usually. But the tornado that clobbered Worcester, Mass. , on June 9, 1953, came from the northwest; it was the worst ever in New England. And possibly the people in Worcester console themselves with the statistic that says a tornado will likely hit a given spot only once every two hundred years or so. Don't tell them about Oklahoma City, hit 28 times since 1892, or Huntsville, Ala. , hit twice in the same day a few years back.

Clearly, spotters will have no easy time of it. Out there in their cars, they'll also face some more personal decisions if and when they spot a twister. There's just no question but that they could be in danger if they decide wrong.

January 1 to February 3, 1996 Schedule of Events:

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
31	1 Happy New Year 1996	2	3	4 7:00p.m. Aeronautical Center 7:30 p.m. CARA	5	6 Ada ARC 10:00 a. m.
7	8	9	10	11	12	13 9:30 a.m. SCARS 10:00 a.m. SCARS VE Exams
14 2:30 p.m. Wheatstraw	15 6:00 p.m. CORA VE Exams	16 7:30 p.m. OCAPA	17	18	19	20 9:00 a.m. VE Exams (RSC) 11:00 a.m. VHF Club
21 2:00 p.m. EARS	22	23 7:00 p.m. Shawnee VE Exams 7:30 p. m. CORA	24	25	26 C&E Deadline 	27
28	29	30	31	1	2	3

Moving away from the path of a tornado is fine if you can clearly tell the direction of movement, can outrun a storm that may be moving 50-60 mph, and are lucky enough that the tornado doesn't change its mind about where it wants to head next. But what if you're in the car and it begins to look like the thing may run over you?

At this point, as the man said, things can get puckery. The car is not a good place to be; it may be picked up and hurled through the air, or tumbled end-over-end; projectiles – from hail to power poles – may turn all that is glass into killing fragments. An underpass may be good. I think I would abandon the car and hit the ditch if I could find one. And if I were a regular spotter I would have some kind of hard hat in the car to help protect the noggin from flying junk in such emergencies. Don't worry about the rig, man or anything else except your life. Take cover!

Finally, I think all spotters ought to ponder something I had a character in TWISTER say early on. He was a weatherman, and he said he liked to ask people in conversation whether tornadoes scared them.

If the person said he wasn't scared at all, my character knew not to talk with him any more because he was obviously a danged fool.

I didn't have to make up that line. It was given to me in real life by a meteorologist who has devoted most of life to studying – and chasing – tornadoes. His point was one we all need to remember; don't get bored or hang up on your macho images; be vigilant, and don't take too much for granted. Because if you start thinking you know all about tornadoes, and aren't the least bit scared anymore, one of the damn things may just cream you.

Jack, WB5TZZ (now KU5B)