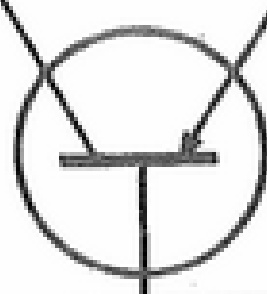


CENTRAL OKLAHOMA RADIO AMATEURS COLLECTOR AND EMITTER



50¢

VOLUME 11 MARCH 1985 NUMBER 122

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TENTH ANNIVERSARY OF COLLECTOR AND EMITTER

THE DECEMBER, 1984 ISSUE MARKED TEN YEARS

OF ACCOMPLISHMENTS BY C & E AS A PUBLICATION OF
CENTRAL OKLAHOMA RADIO AMATEURS, INC.

We all LOOK FORWARD to receiving this UNIFYING and INFORMATIVE magazine for many MORE YEARS.

A few facts and figures are given inside that highlight the first ten years of C & E.

A few random C & E articles over the past ten years - - - - -

How to Assemble Your Station	Severe Weather Net Report	Tuit That is Round
	Rejuvenating Ni-Cad Batteries	
CORA Prospects & Benefits	CORA Amended Constitution	Meissner
Taking Equipment into Foreign Countries	Making Phase Lock Loops Work	Long
Two Meter Operation in San Antonio, Tx.	Motorcycle Mobile in New England	Wire
Local Amateur Aviation Hero Ham	Doorbell Transformer Noise	Antennas
Way Down Yonder in New Orleans	Holiday Reports	Systematic Approach to Troubleshooting
Time Domain Reflectometer	Emergency Communications	Using a Counter to Adjust Tuned Circuits
Metro Repeater Guide	CW and Redundancy	Thanks for Helping Our Community
Satellites for Collecting Data and for Communication	Monitoring SSB Transmissions	Solar Activity
Q.R. Zedd's	Troubleshooting crystal Oscillators	Snow & Meteor Trails
DX	Plain Language Rules	Puzzle Corner
Rules	Antenna Pruning	Videodiscs - Infinite Storage
It's Tornado Time Again	Great Plains Weather Alerts	Improved Mike for IC-2A
	Some OSCAR Experiments	In China, Getting Around
Ring a Ding Ringer	The Prodigal Computer Programmer	Can Be Tough
Emphasis on Deemphasis	FCC Releases Details on Logging	Radar Jammers
Communications Forecast	How to Run a Club Meeting	Shawnee Wind Damage & Fire
Transient Protector	Dallas Hamcom Report	Azden
The Big KAHUNA	Gaithersburg Hamfest	Memory Batteries
History of the Computer	Hurricane Alicia	Tales
Digital Capacity Meter	Packet Radio - What is That Stuff?	Pay TV
Write For C & E	Halloween Puzzle	Oshkosh - A Flying Story
Charge BP 3 While You Talk	Edmond ARC Chili Cookoff	Ten Minute Timer
Talking With Fingers*RC-850's	Scheduler Working	Computer Program Recording
Better Repeater Operation	Campus Corner Street Festival	Jarvis Island DXpedition
Dayton Hamvention Fever	Canton Island DXpedition and Peter and Paul Rocks	Shunt-Fed Tower Book
Rescue - Car in Ditch	House Bill 1501 Update	Trochodyte?
Vox in a Box	Wiretapping	Volunteer Examinations
Net Operation	Fixin Yer Rig	The Smart Soldering Iron
Good Ole Daze	W5LFL Thru The Shuttle Window	RF Tuning Aid
	Fuses	Bugs
	Prevent TVI	

WA5RAQ



FROM THE SECTION MANAGER

Metamorphosis, according to Webster, means a change in physical form, structure, or substance. Certainly a big word, but I think highly appropriate to describe what is happening in the Amateur Radio Service today. Virtually every aspect of our service is undergoing change. The FCC has turned over exams to us, as you well know. But how many of you knew that they were turning over many of their monitoring and interference programs to us as well? The FCC seems to be effecting our service almost daily. Changes in frequency allocations, band plans, allowable modes and power levels are just a few areas which have undergone change in the last few weeks. They are presently considering additional frequency reallocations, rule changes regarding repeaters, exams and much more. We're even on the verge of gaining some frequencies (24 Mhz should be available by early summer).

Change is also the key word at ARRL headquarters. Recent articles in QST and the ARRL Letter adequately cover their reorganization into five new and distinct departments: publications, membership communications services, volunteer resources, development, and administration. The new structure will better facilitate the operation of the field organization, enhance the ability of the League to serve the members, and will address their ambitious goals for increases in the number of licensed amateurs and League members.

And we're not immune to change at the Section level either. The Affiliated Club Coordinator, Dan Prater, KSCAY, will be stepping down after two fine years. Bill Foster, NJ5Y, of Lawton, will be assuming that position. The Public Information Officer slot, which will be vacated by Bill, will be filled by Don Chambers, WDSIFB, from Enid. Section Leaders are actively involved in investigation of statewide linking, ARRL relocation feasibility, repeater coordination, regional monitoring programs, RFI programs, and much much more.

So how does one keep up with all the change? Its impossible, but there are avenues to follow to get a good handle on what's happening in ham radio. Traditional means such as magazines and newsletters are fairly good sources. They can be supplemented by WIAW bulletins, club meetings, hamfests, and daily traffic nets. Many of the Section leaders meet daily on the Sooner Traffic Net at 5:30 (local) on 3850 kHz, or the Oklahoma Traffic and Weather Net at 5:45 (local) on 3900 kHz. Current issues are often discussed in those forums. An excellent source for Division level issues is the Director's Net sponsored by Ray Wangler, W5EDZ, every Sunday evening at 7:00 (local) on 3873 kHz.

So you see now why I used the word metamorphosis earlier. Yes it is a big word, but things are changing. It is more important now than ever before that each of us keeps up on what's happening. Competition for our frequencies is on the increase. In order to preserve our frequencies and ultimately our entire service we must become informed, and become involved. It is our responsibility to make sure that the general public understands that Amateur Radio is a valuable PUBLIC SERVICE, not a mere hobby. I challenge each of you to get more involved. There is a place for you in the ARRL Field Organization.

73, Dave, NBSN



COUNTY ARC

Congratulations goes to WNSLUI this month for upgrading to EXTRA and I'd like to mention that Kay County also has a member of the Radio Club of America, that's W5ZNM, C.L. Hallmark, he's a life member and also a life member of the ARRL.

The Tulsa Repeater Organization has offered to come to Ponca City and give a Volunteer Exam sometime this year if we can get enough people interested. If you are interested in upgrading, please let KD5FX, Dave Land (762-8616), know.

Nelson Ehrlich of NASA presented our Program again this month, and it was outstanding. The public was not invited this time, so we had him all to ourselves to ask questions and view the video disks that he brought along. If you didn't make it, then you not only missed all that, but the chance to look at and hold some moon rocks in your hand. If some of the other club members from around the state are reading this, then Nelson is highly recommended as a speaker for your club meetings, and he's free! He is also a ham, and gave us some insights on the next ham mission that will go up on the space shuttle.

I would like to remind all our members that your 85 dues are due and if you don't pay by the end of March you WILL be removed from the roster. That is a club rule that has not been too well enforced in the past, but it WILL be this year. I will notify those who are about to be dropped and give them a chance to pay up. Also, while I'm talking about money, I would like to remind you all of the extra Phone Patch fee that is being collected this year, it is four dollars and it helps pay Ma Bell's higher bill.

We welcome back KD0RA, Rick Long, from his long stay up in cold country. Just a few miles down the road from the COORS brewery. Is that why his cheeks are so rosy? or is it that new bride of his????? Speaking of cold country, W0SEAA was seen at the last meeting, I hope he defrosts by the next meeting so we can hear him on the radio. I heard something about it being 60 below up there on the North Slope of Alaska, and they had to bring a heater along with them just to defrost the 2 meter sigs so they could propagate. Don't worry Tony, just think how nice those 110 degree August days will feel this summer!

VHF EQUIPMENT FOR SALE

Icom 2AT, with speaker mike, drop in charger, BP3 and BP4 battery packs, DC-1 12volt adapter, cigaret adapter, wall charger and more. \$250 or best offer. 405-762-8616 after 5pm.
Hy-Gain 6 meter beam, 6 element, 15 dB gain. Shipping Paid. \$60 (same phone as above)

THESE CORA MEMBER CLUBS PROMOTE AMATEUR RADIO

1 AERONAUTICAL CENTER ARC
MEETS: 7:30pm First Thursday Flight Standards Bldg., FAA, S. MacArthur
PR WB5SVN Jack Iman 677-8537
VP K5LDI Tom Mangham 677-5291
Sec WD5JPW Gloria Seignious 722-1740
Tr WA5CJG Bob Pace 376-3569
EDITOR: Gloria Seignious, WD5JPW 722-1740

2 OKLAHOMA CENTRAL VHF CLUB
MEETS: 10:00am Third Saturday. Red Cross. 10th & Hudson (Back door) Okla City.
PR KD5IS Jerry Wetmore 524-5080
VP N5PS Pat Sherrill 943-3219
SE K5JB Joe Buswell 732-0676
TR W5KE Ellard Foster 789-6702
EDITOR: Joe Buswell, K5JB 732-0676

3 MID-OKLAHOMA REPEATER, Inc.
MEETS: 8:00pm First Tuesday. Okla City EOC. 4600 N Eastern
PR N5EPV Bob Allen Unlisted
VP N5GRA Bob Gambel 672-9294
SE N5HII Elise Northern 376-4287
TR W5KOZ Sid Gerber 737-1050
EDITOR: Elise Northern, N5HII 376-4287

4 OKLAHOMA CITY AUTOPATCH ASSOCIATION
MEETS: 7:30pm Third Tuesday. Okla City Fire Training Center. 800 N Portland
PR WB5NDO Kathy Whited 799-1457
VP N5GWZ Bob Northern 376-4287
SE N5DLN Vicki Adkins 722-6195
TR KE5M Ron Recer 341-7030
EDITOR: Bob Northern, N5GWZ 376-4287

5 OKLAHOMA UNIVERSITY AMATEUR RADIO CLUB
MEETS: 7:30pm Second Tuesday (Sep-May) 119 Wilson Center. 1334 S Jenkins
PR KA5BAY Luke Noah 325-1775
VP KE5N John Wustenberg 325-2382
SE KA5COI Peter Richeson 329-3217
TR KA5LZN Greg Smith 366-1641
EDITOR: Greg Smith, KA5LZN 366-1641

6 ALTUS AREA AMATEUR RADIO ASSOCIATION
MEETS: 7:30pm Second Thursday North Main Fire Station (CD) Altus
PR WB5KRH Dwight Dennis 482-2498

S/T W5VXU Mike Schenk 482-1797
EDITOR: Mike Schenk, W5VXU 482-1797

7 BICENTENNIAL (76ers) ARC
MEETS: 7:00pm Second Tuesday. OG&E Bldg. SE 3rd & E. K. Gaylord Blvd.
PR AE5N Donald Duck 691-4199
VP WD5JNT Ted Vanlaningham 262-1675
SE N5AUH Jerry Sproul 354-2061
TR WA9AFM Tom Webb 737-6716
EDITOR: Jim Seals, KB5XN 381-2005

9 WHEATSTRAW AMATEUR RADIO CLUB
MEETS: 2:30pm Second Sunday. Location varies. See club section.
PR WA5JHB Marvin Stokes 893-2221
VP N5END Virginia Beneda 825-3302
S/T K5GGL George Maschino 263-7614
EDITOR: Richard Ruhle, WD5GLD 375-4843

12 QUARTER CENTURY WIRELESS ASSOCIATION
MEETS: Quarterly at various places.
NET: 3855 kHz Sunday at 8:00 am.
CHM W5NL Fred Boardman 427-2505
VCH W5TY Ray Long 942-4314
S/T W5AS Howard Baker 721-5453
EDITOR: Robert Runyon, AA6O 373-1818

13 KAY COUNTY AMATEUR RADIO CLUB
MEETS: 7:00pm Third Thursday Ponca City EOC
PR N5HIC Paul Davis 765-2227
VP WA5UBO Marsh Pronneke 363-2526

S/T KD5FX Dave Land 762-8616
EDITOR: Dave Land, KD5FX 762-8616

14 CIMMARON AMATEUR RADIO ASSOCIATION
MEETS: 7:00pm Second and Fourth Mondays. Place varies. See club section.
PR NN5Z Jack Day 227-3462
VP KA5DUO Leo Peil 886-2996
ST KA5SLY Reeta Martin 227-3013
TR N5FUN Dede Bailey
EDITOR: Ruth Simpson, N5FUR 227-2791

15 SOUTH CANADIAN AMATEUR RADIO SOCIETY
MEETS: 9:30am Second Saturday. Red Cross Bldg., North OU Campus. Norman
PR KD5IT Dave Egle 321-7570
VP N5BEW Ken Esadooah 329-4667
SE KA5AXQ Joe Green 364-4301
TR WB5RXZ Monte Bateman 329-7485
EDITOR: Sam Barrett, WA5RPP 321-2601

16 EDMOND AMATEUR RADIO CLUB
MEETS: 7:00pm Second Monday. See club section for location and type.
PR WD5DYI Mark Northcutt 755-4672
VP WA5FAI Ron Cron 681-0896
S/T WD5DYJ Kay Northcutt 755-4672
EDITOR: Mark Northcutt, WD5DYI 755-4672

18 GREAT PLAINS AMATEUR RADIO CLUB
MEETS: 7:30pm First Tuesday Civil Defense room, Woodward courthouse.
PR NC5C Gerry Ford 256-5342
VP W5KFK Lewis Patterson 256-2111
SE KA5PYA Lois Ford 923-7683
TR N5EOX Freida Patterson 256-2111
EDITOR: Lois Ford, KA5PYA 923-7683

19 EDMOND AMATEUR RADIO SOCIETY
MEETS: Varies. See club section

PR N5DBM Ken Stepp 341-4874
VP K5SKA Bill DeMand 751-5137
S/T KC5GN Bill Wright 341-6076
EDITOR: Bill DeMand, K5SKA 751-5137

20 ARDMORE AMATEUR RADIO CLUB
MEETS: 7:45am Saturday. Corral Restaurant
INFORMAL: Every Wednesday. 221 9th NW
PR WD5FZD John W. Merlyn 223-9543
VP WA5IJA Gene South 223-8252
SEC W5JCX Jim Chilcoat 226-6816
TR W5BLW Charles Dibrell 226-0589
EDITOR: Glenn Hamilton, KE5ES 226-4379

CENTRAL OKLAHOMA RADIO AMATEURS, Inc.
MEETS: 7:30pm Fourth Tuesday. Red Cross Bldg 10th & Hudson Okla City
PR WN5NWX Reggy Whited 799-1457
VP WD5ISS Don Saunders 751-0404
SE N5BEQ Jim Buswell 236-0368
TR WDOFTM Linda Callison 751-3620

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 Joe Harding, WA5ZNF, 737-1044

CIRCULATION MANAGER:
 Bob Graham, WB5NSV, 677-8685

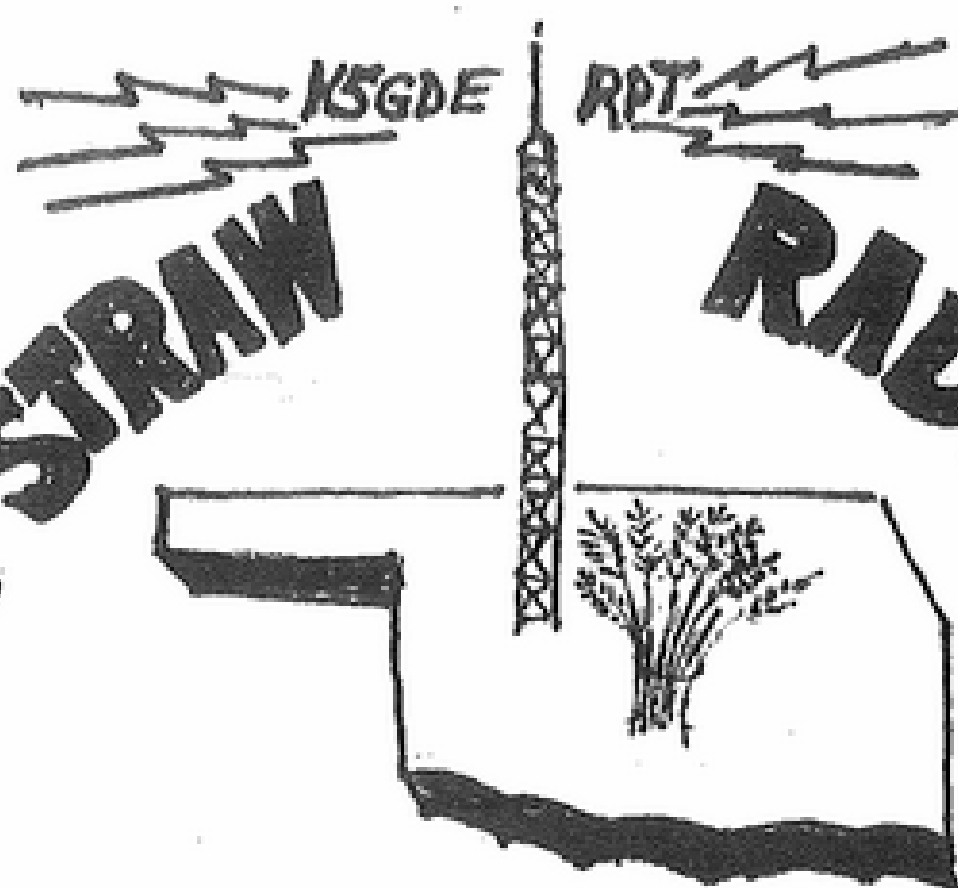
FEB 1960

MOORELAND
LONGDALE
CANTON
WATONGA
GEARY
WEATHERFORD
MT. VIEW
CALUMET
OAKWOOD

WHEAT STRAW

25TH

ANNIVERSARY



RADIO CLUB

FEB 1985

DOVER
KINGFISHER
OKARCHIE
EL-RENO
YUKON
OKIA CITY
BETHANY
MINCO
HITCHCOCK

YOU ARE CORDIALLY INVITED TO CELEBRATE
THE 25TH. ANNIVERSARY OF THE WHEAT
STRAW RADIO CLUB TO BE HELD AT THE
END OF MAIN RESTAURANT WATONGA, OKIA.
SUNDAY MARCH 10, 1985 AT 1:30 P.M.

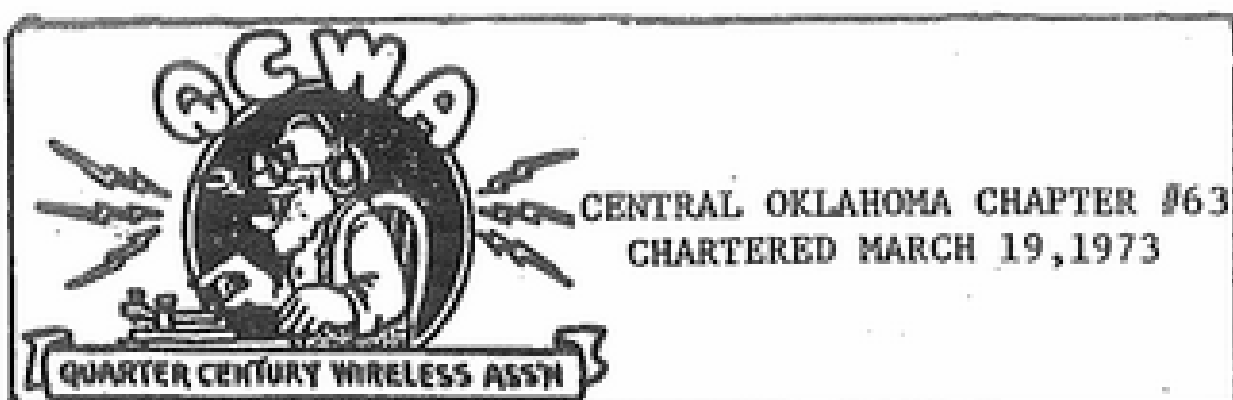
"DINNER \$10.00 PER PERSON"

PLEASE SEND RESERVATIONS AND CHECKS PAYABLE
TO WHEATSTRAW RADIO CLUB TO MARGARET L.
FISH BOX 176 CALUMET, OKIA. 73014 NO LATER
THAN FEB, 25, 1985. TICKETS TO BE GIVEN AT
THE DOOR FOR PRIZE TO BE GIVEN.

NAME _____

NO. @ 10.00 each -----

R.S.V.P.



ACTIVITY REPORT

QCWA Chapter 63 "On The Air Operation" for January, 1985 as follows:

Sessions	4
Check-ins	155
Traffic	13

QCWA Birthdays for March, 1985.

DATE	NAME	CALL SIGN
2	Colleen Gibson	XYL-W5JQA
9	Abe Crook	W7LLP
9	Ruby McCawley	XYL-W5CFG
12	Mel Bolger	W5AXM
16	Tommy Banks	W5HJ
19	Joseph Kelly	W5LPK
20	Calvin Ladd	W5FX
23	Bob Ashby	W5HXL
23	Denise Bowers	XYL-KX5W
23	Wm. E. Peterson	W5OY
24	Edith Jessup	XYL-W5BIO
24	Robert Lyon	K5AYL
25	Lolita Malone	XYL-W5HIM
25	Mary Jo Rauscher	XYL-K5CXP
30	Wilma Edmonds	XYL-W5GOO

Following is copy of a letter we received from Howard, W5AS, that we thought would be of interest to all:

Dear Mel:

I spent the last week of January in the hospital. Seems as that my heart failure, diabetes, and migraine headache all hit at the same time. A ruff time. Main thing the doc did was to put me on a 1000 calorie -- I call it my 1 KW chow. How am I feeling - darned hungry!

During the trip, KD5IS sent over his 2 meter walkie-talkie and ND5S sent a special little vertical, magnetic-based ant. It worked beautifully to meet my net. Had lots of fun having all those cute nurses meet the Nite Owl Net. I don't think they will increase the VEC operation tho!

Had two nice things from the IARU people. First was via ham message that I won the Oklahoma Section of the IARU Radiosport Contest they hold every July. Second was a beautiful certificate while was in sick bay. It seems I did QSO 4ULITU in Geneva during the big "World Communication Year." Although it is actually only a QSL card, it is a big 8 x 10 thing in several colors, etc. and sure looks good on the wall.

Howard - W5AS

Chapter 63 welcomes the following three new members to our rolls:

Travis L. Harris - K5DZV
3840 N. W. 31st
Oklahoma City, Ok. 73112

Clifford C. Collier - W5LJI
1414 E. Northcrest Dr.
Ada, Ok. 74820

John C. McGinty - K5HMI
Box 32180
Oklahoma City, Ok. 73132

Howard, W5AS

!!NEXT MEETING!!

Our Spring Quarterly Meeting is scheduled for Sunday, April 14, at the Anna Maude Cafeteria, Penn Square shopping center-please mark your calendar!! Plenty of time for visiting before program to commence at 1:00 PM. As usual, try

to come early to avoid the chow line rush. Program will be announced in April issue. Hopefully spring will have sprung with good traveling weather for all. This date picked to avoid possible conflicts-such as Dayton HAMVENTION, April 26, 27, 28 (Ref. Mike Salem's, N5MS, fb coverage, page 29, Feb. C&E). Sorry that the Lawton Hamfest will not be held this year-but hopefully, it will blossom anew in 1986.

73 Ray, W5TY

The following article-"The Right Stuff"-from The Oklahoma Observer is most timely to introduce Travis Harris, W5DZV as a new QCWA, Inc. & Chapter 63 member. A very sincere welcome, Travis & speaking for the entire membership a long & fruitful association. Perhaps we can entice you to be our feature speaker at a future dinner meeting.

Ray, W5TY

The Right Stuff

If you didn't know him, Travis Harris would be one of those people you love to hate - a bureaucrat in the state welfare agency.

For 47 years Travis Harris worked in Oklahoma's blind and visually impaired programs - for the last 10 years as head of visual services for the Department of Human Services.

You could say he's dedicated - first as a student, helping blind students, later as a teacher of the blind and then as a program administrator.

His work didn't go without notice. Not only is he a nationally recognized leader but he has won dozens of awards, from a citation from President Nixon to the Ambassador Award - highest honor blind people can bestow on those who contribute to the well being of blind Americans.

He turned his hobby into a significant program - he's a ham radio operator who organized the Eyebank Network in 1962. First recipient was a two-year-old Stillwater girl who fell on a sharp object and punctured her eye. Harris put out a call on the network and by nightfall a cornea had been located. The next day successful surgery was performed. Since then, thousands of transplants have been made possible due to the network started by Harris.

Harris retired the other day, but not without a reception in the Capitol Blue Room and an outpouring of thanks from across the nation. He is one of those unsung heroes in government who do some of America's most valuable work - not necessarily for much money or much acclaim but because that's what they want to do with their lives.

Travis Harris is special for another reason. He, too, is blind and has been since an accident at age 10. He didn't let his so-called handicap slow him down. He could have set in a corner and whined but he had the right stuff. He spent his life helping blind people realize their potential - which is enormous.

How do you say thanks to such a man? You don't. You just thank the Lord he came our way.

THE OKLAHOMA OBSERVER, JANUARY 10, 1985

SOCIETY OF WIRELESS PIONEERS, INC.

We also received a note from George, W5DKC, stating that he recently joined the Society of Wireless Pioneers. He says he was introduced to this organization by Nick, W5UD, of El Reno.

It is my understanding that a few of our QCWA friends are already members of this Society, so thought it might be well to pass this info along to our group because it may be that others may be eligible and might wish to join.

In short, the purpose of the Society is that of collecting, researching and recording the history of communications - particularly that which relates to Hertzian waves and the wireless or radio telegraph mode of the art.

The Society has many active chapters in the U.S. and holds regular meetings and reunions. It also has nearly 20 CW and SSB nets (some international) which can be enjoyed. The Society also has established an impressive loan library for the benefit of its members.

To qualify for membership, the applicant must have earned his or her livelihood as a professional radio-telegrapher in a bona fide position at a station or on a circuit using other than landline or cable telegraph codes. Applicants must also have held a government license above that of amateur unless in government or military service where license was not required or in the days antecedent to license requirements - circa 1911.

If any of you are interested and would like more

info regarding the Society of Wireless Pioneers, Inc., please contact George Bunce, W5DKC, or Nick, W5UD, in El Reno. George has a couple of applications with a lot more information.

Melvin, W5AXM (Ed.)

!!APOLOGY!!

Last month Myself & Murphy omitted five (5) paragraphs from W5JJ's "The Radio Amateur Talks"-sorry Carl. Please insert after 3rd from last paragraph; read (of course) and proceed to Carl's offering for this month "Post-War Amateur Radio". Carl, we hope this will not be the last of a very interesting historical treatise-----.

73 Fred, W5NL

POST-WAR AMATEUR RADIO

Last month we reviewed the development of Amateur Radio radiotelephony up to the start of the Hitler War. A few points were overlooked, though. One had to do with call signs. The pattern of call signs had been set by the Radio Act of 1912, using a prefix of W, followed by a numeral from 1 through 9, and then a two-letter (or, later, 3-letter) serially-assigned combination starting with AA and ending with, at first, WW and later with WWW. But, what about X calls? Y calls? Z calls? They were reserved for special issuance. X calls were issued to Experimental stations only. Y calls were reserved for institutions of learning. Z calls, which authorized additional power and additional frequencies, were truly Amateur assignments but were given only to those who could demonstrate exceptional technical ability. So, you see, "Incentive Licensing" got its start with the very beginnings of formally-approved Amateur Radio! Now, let's take a look at some departures from that call-issuance format that appeared in the '30s. One was the "All-District Portable" call, which began with two Zs after the numeral. As more were issued, you ran across four-letter calls, like W9ZZAJ! Then, too, there were a few W-ten calls, like W10AA. These were Aircraft Mobile All District calls. None of these seem to have survived the War.

There were a few K calls in the 30s, but these were issued only to special stations, mostly stations operated by the military or at exhibitions.

Now, let's get back to that "Hog Heaven" that opened to Radio Amateurs after the bands were again made available.

And it was pure Hog Heaven! Tubes that you never dreamed of being able to afford before the War could be had for pennies! Power transformers that would have cost a fortune could now be bought by the pound! Surplus military receivers could be picked up reasonably; these gave frequency stability unheard of in pre-War days! And those surplus military transmitters! Most were unsuited to Amateur use, but any Amateur worth his salt could modify them into superb rigs! There, seemingly, was no limit to either variety or availability. Can it be wondered that Radio Amateurs went hog wild?

Those who got into the game after single-sideband suppressed-carrier radiotelephony became the standard for Radio Amateur voice communication can have no idea of the interference on fone subbands in the days when

carrier-plus-two-sidebands was the "standard." You could tune across a fone subband at night and never hear a signal that wasn't fighting a losing battle with nearby carriers! The most selective rcvr you could afford became a crying necessity. So the old regenerative set faded into the background and superhets became the standard. Now, one could build a superhet, but building one as good as the National or the Hammarlund or even the Hallicrafters was a formidable undertaking. Few attempted it. You saved your nickles and dimes until you could buy one! And if you've set an 80s rcvr alongside a 30s rcvr, you've seen just how much rcvrs have been improved over the years.

You may noticed the omission of mention of Frequency Modulation. It never was widely used, although some of the modulated oscillators probably had as much Frequency Modulation as Amplitude Modulation.

Why did AM become so widely used? Simply because it is the only form of modulation that doesn't demand that the rcvr be matched to the xmtr! You could listen to AM fone on any rcvr ranging from one with crystal detector to one with a tube used either with or without regeneration to a complex multi-tube superhet. About the only type ruled out was the coherer! (I'm unsure of the Marconi Magnetic Detector.)

Oh, there were FM xmtrs. You could (and did) receive them just by tuning a bit off-frequency (slope detection). But they never had the sock of an AM xmtr.


One means of Frequency Modulating a CW xmtr was to take a single Baldwin headphone and solder an extension to the arm that actuated the mica diagram. This extension had a plate soldered to it, thereby forming one half of a capacitor. A fixed plate formed the other half. This capacitor was attached across a portion of one's plate (or grid) tank coil. True FM resulted. (This example is taken from an article appearing in "Wireless Age" in about 1923.)

With all those lovely parts available, Amateurs experimented with many applications. Those who got stuck with 400-Hz power transformers found that by hooking three of them in series, you could run them on 60-Hz. The art of modifying military xmtrs for optimum Amateur application presented endless challenges.....and endless answers. Everyone developed his pet modifications.

A large number of xmtr modifications dealt with modulation methods. Here imagination ran wild! The sharpest challenges appeared in two categories; How to get a radiotelegraph xmtr on radiotelephony with the least number of parts and how to exceed 100% modulation on positive peaks without exceeding 100% on the negative ones. The first was tackled by various forms of screen-grid modulation; the second by many schemes of kicking in an extra tube on positive peaks. Some of these circuits worked moderately-well. Later, there appeared the problem of getting rid of TVI. To many, this was a hopeless task, accomplished only by purchasing a manufactured Amateur-band xmtr.

Receivers posed another set of problems. The surplus rcvrs were superbly stable and quite sensitive, too, but their bandspread was totally unsuited for Amateur use. Correcting that deficiency was not just a simple job of modification. Very few were converted. But unconverted, they were just the answer to the new Amateur's prayers! For a very few dollars he could buy a receiver better than even a wealthy pre-War Amateur could hope to own. Add an easily-built power supply, and he was ready to receive any signal on the band. Note that singular; these rcvrs were almost all one-band jobs. That problem could be solved by a cheap and easily-built converter.

What spoilt this Hog Heaven? Well, Amateurs never are satisfied with status quo. As post-War rcvrs showed up on the advertisement pages of QST at not too outrageous prices, they began to yearn for a rcvr with better bandspread...even if it cost a bit of stability.....and one heck of a lot more dollars!



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 • FULL LAB AND X-RAY SERVICES
 • PHYSIOTHERAPY • PHIOLOGY
 • FULL SPINE ADJUSTING • GENERAL FAMILY PRACTICE

DR. DON BOWERS, M.P.H. D.C.

942-7738

4180 NW 23RD

MORE Q C W A

Then there appeared advs for xmtrs, multi-band jobs, with plate power modulation, all self-contained. Mouths started watering and piggy-banks got raided! Soon there were newly-marketed rcvrs and xmtrs in the shacks of every Radio Amateur who could afford them. But not quite every one; there still were a few die-hards who built their own xmtrs and even a few, a very few, who built their own rcvrs.

In the 50s, the introduction of J3E (the modern symbol for single-sideband suppressed-carrier) xmtrs into common use brought to light the sad fact that even a new manufactured rcvr lacked sufficient stability (not to mention a product detector!) to enable satisfactory reception of such signals.

This touched off savage (but largely verbal) warfare on radiotelephony bands! It was a rerun of the fight between Spark radiotelegraphy and Continuous Wave radiotelegraphy that raged during the 20s! But, just like the earlier conflict, the newly-introduced mode won out.

The high-universal acceptance of J3E for MF and HF radiotelephony was the death knell that laid to rest the once-universal practice of a Radio Amateur constructing his own transmitting and receiving equipment. The requirements for frequency stability were too difficult to meet; the complexity of circuits discouraged all but the bravest. Now just about every Radio Amateur operates a "store bought" rig. I bow my head in shame.....I, too, am an "appliance operator"!

W5JJ

Dateline-Forest Park, Ok., February 17, 1985:

Please consider the following comments apropos even tho a month late. Thanks Chuck, K5NK for what I consider a super, front page, editorial "APATHY" (C&E, Jan. '85). Its total effect may be difficult to evaluate, but as a starter something generated a most noteworthy February issue (Well-Stapled); timely and well written info.!!Something for everyone. We await the Feb. 26 CORA meeting for a further progress report-particularly "Attendance & Participation". I plan to be there!! A plaudit for February's coverage of the OKC area (VE) program and first time examinations February 25th. The instructions & back-up information excellent. Tnx Doc, KX5W for your important contribution to the program. If you are not already aware Calvin Ladd, W5FX was recently certificated via the W5YI (VEC) program and there may be other QCWA-ers certified. Also recommend a re-read of Mike Salem's (N5MS) coverage and his urgings on Senate Resolution No. 36 (Feb. C&E, pages 28,29). It is still not too late to write your senator-so have been advised.

The following is a suggestion for which feedback is appropriate. Many, perhaps most who contribute, seldom receive written feedback as either praise or opposing views. Submittals take time & cause frequent head scratching-just as I am now doing. Suggest a page (near front or back) entitled READERS FORUM, READERS FEEDBACK, READERS SAY or other. Preferably shorties-----for example:

"READERS SAY"

"Back Into Amateur Radio" (Jan. '85, Pg. 2). To Bill, WA5RAQ: Tnx for some nostalgia which revived some memories of my own-particularly Five (5) meter stuff. Excellent story-we await your next serving-----etc.

73 Fred, W5NL

BITS 'N BYTES: When I used this By-Line last month, could or did not foresee a St. Valentine offering from XYL of a Commodore, C-64 Computer and 1541 Disk Drive. Looking forward to Word Processing & other uses. Unofficially take on a fun thing this month as your Inquiring Reporter.

(1) Melvin, as interim "News Editor"-AAQO, Robby still out of pocket-has agreed to continue with April C&E. Please send your items to

Melvin Bolger, W5AXM, 2817 Lakeside Drive, Oklahoma City, Ok., 73120-to arrive NLT 18 March for editing & typing. Tnx. Melvin--

(2) George, W5DKC surprised us by calling the Feb. 1st session from Ode Cook's, W5JFT QTH, Broken Bow, Ok. Tnx. Ode and a super signal (TS 930/SB200). Your Stn. Digital Clock a conversation piece (Info.-Potatoe powered by Zinc & Copper electrodes-Tater life about three months)according to DKC's description.

(3) By telecon: Jerry Broudy, W5MCJ, home from Hospital following vehicle accident (Jerry tail ended). Reports he is better, but must continue as "Out Patient". Jerry, we will keep in touch.

(4) By telecon: Talked with Paul Kovar, W5CDG. Many remember you, Paul as a super piano artist, during early meetings when Chapt 63 was getting organized (1972, I think). Paul informed me he is very Navy MARS active (state Supply Officer) & does not frequent the HF bands so often of late. More next month-----

73 Fred, W5NL

GREAT PLAINS AMATEUR RADIO CLUB 4TH ANNUAL

EYEBALL QSO & SWAPMEET

Sunday April 14 1985 Mooreland OK
9 am \$2.00 Admission VE Test at 9:30 am
Local Airport Campsites Available
Covered Dish Dinner at 1 pm
Swap table - No Charge
Talk in on 147.72.12 and 146.52

For other information contact:

Gordan Richmond, NR5L, Rt 1 Box12,
Mooreland OK 73853 Phone (405) 994-5394
Gerald Bowman N5CCV, Box 356 Mooreland OK
73852. Phone (405) 994-5453

NOTICE TO EDITORS: My modem is working again and I believe that I can get copy over the phone again. In fact it appears that the "best" way to handle is to use COCONET (405) 376-1494. I will screen it each day to see if I have something - BUT - don't wait until the day we go to press to send it. If you use COCONET, if possible use TELEWRITER 64, build an ASCII file and send it. Use file JOE(1).HAR so I will recognize your submission. Any other information will have to be obtained by calling me at (405) 737-1044.

Joe Harding, WA5ZNF

FOR SALE OF TRADE: Separately or Package- Fobot Model 400, updated for color and 3 color TV set. Call Sam Stephens, W5HZD, El Reno, Ok. Tel. 262-4872

64K Upgrades

Peripherals

R&G Electronic Specialties

3317 S.E. 24th
Del City, Oklahoma, 73115

405-677-8685

TRS-80 Color Computer--Service & Repair
TRS-80 is a trademark of Tandy-Radio Shack



COCO Officers

Chairman - Bob Pace 376-3569
Vice Chairman - Bob Helms 733-3429
Secy/Treas - Kaye Derryberry 681-0461

Meeting held at Red Cross Building
NW 10th & Hudson
Second Sat. of the month: 9:00 A.M.
Club Dues: \$5.00 per year

Meeting called to order by Bob Pace at 9:30 A.M. 92 members/guests attended the meeting on February 9, 1985.

An announcement was made by Bob Pace that the format for the meetings was changing. The time from 9:00 to 9:30 is now set aside for socializing, refreshments and disk exchange. The business portion of the meeting will now begin at 9:30 A.M.

Old Business:

1. Reminder-we need articles for the C&E. You may send them on COCONET under the name C&E.TXT or give them to Holly or Bob Helms. Be sure to use 46 characters on Telewriter.
2. Darwin Smith is interested in writing educational software. He would also like to set up a BBS for kids which would use educational software. Parents would select a password and hours would be limited. See Darwin if you would like more information.
3. The first meeting for COCO users of OS-9 was scheduled for Saturday, February 16 at 9 A.M. in the home of Dr. Petty.
4. Bob Pace reported on the status of the MC-10 software contest. There were 4 entries and the prizes will be awarded in March as the programs are still being judged.
5. \$\$\$ for COCONET
We still need about \$350 for COCONET. If you contribute \$10.00 and need a copy of MABEL, SAM MURR will be happy to help you out.
6. Product Review - Hollis Holcomb
Holly reported on the RFI eliminator kit which was advertised in The Rainbow magazine. Look for Holly's review in the C&E!!

New Business:

1. DUES
Dues were accepted from 6 NEW members and 11 present members renewed their membership. Total income for dues in February: \$85.00.
2. COCONET -
 - a. Holly is working on a method of using COCONET with a cassette-based system.
 - b. The FLEX files on drive 0 will only remain on the COCONET for a short time.
 - c. Four people each gave \$10. to the fund in February and \$11. was given anonymously.
 Total income for COCONET in February \$51.00.
January bill for COCONET: \$16.38 (includes service and electricity)
3. Publications that may be of interest to COCO users include COCO AS out of Houston and the Computer Street Journal. If you did not get to sign up to receive these publications you may want to see Bob Pace for more information.
4. Bob is also working on a signal change to use TV channel 11 to help eliminate RFI. He still needs to develop a power supply.
5. Bill Warren would like tips for Sands of Egypt and is interested in buying Dungeons of Daggorth.
6. If you need a serial/parallel interface they are available through Computer Connections (formerly Computer Solutions), on SE 29 across from Tinker.
7. Bob Pace has a graphics program, Circuit

Draw, for the Gemini 10x printer.

8. Four door prizes were awarded at the February meeting. The lucky winners were:
Dan Kestler - Trimprint Camera
Bob Lutz - Acoustical Modem (donated by Joe Harding)
Charles Atkins - MOV surge suppressor
Bob Nance - Phone modular block

Two informative programs were presented. Bob Helms discussed BASIC and using String functions while Bill Holland continued the series of Assembly Language programs and discussed the addressing mode of the 6809.

To close - thanks to all of you who saved the Proctor & Gamble UPC symbols for our school. We really appreciate YOU!! Webster did not get enough symbols for the free computer but we are sharing the UPC symbols we collected with Lafayette elementary school to enable them to receive the free computer. Again - thank you all.. Kaye

See you all Saturday, March 9th. Bring a friend!

Secretary/Treasurer
Kaye Derryberry

VIDEO CLEAR INTERFERENCE REJECTION CABLE

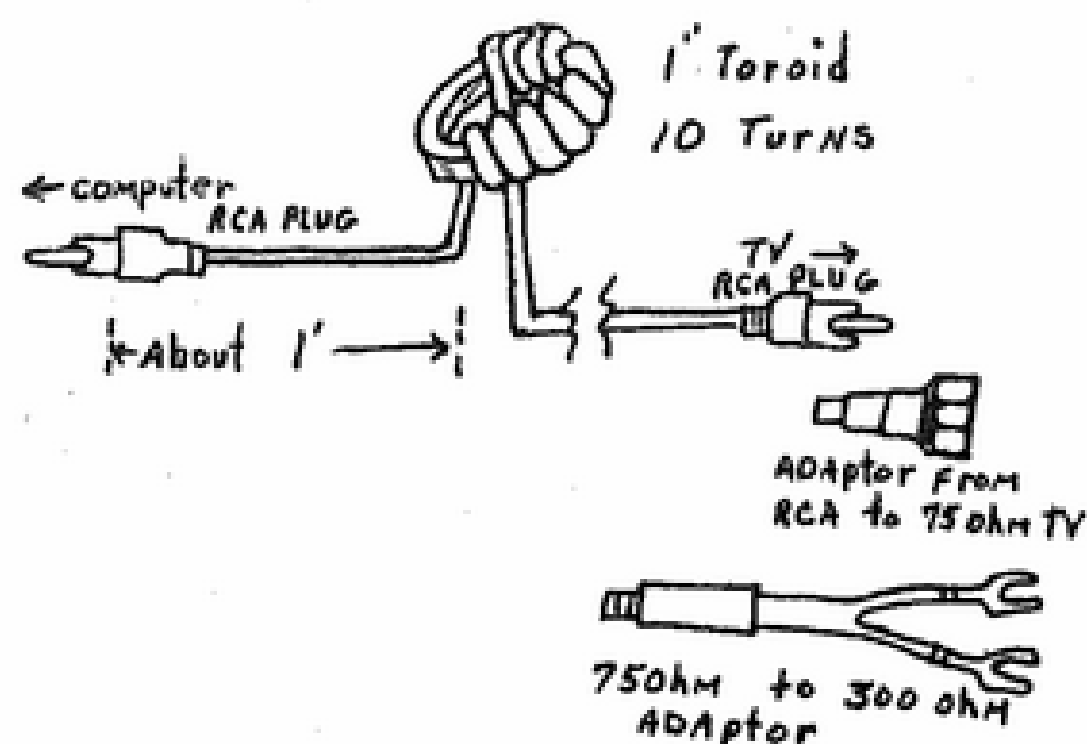
The video clear kit came about three weeks after I put my check in the mail, not the best of delivery times. It had with it, an instruction sheet and a new order form. The order form is there in case you like the kit and want to buy something else ---- you won't need it.

The kit is nothing more than the TV cable coiled up around a toroid coil. Most everyone, myself included, has coiled the TV cable up and put tinfoil around. In my case the tinfoil works better. So, \$19.95 is a little much to pay for what everyone has already done.

To be fair, the coil did look professional inside it's little plastic container. If it's worth \$20 to you to get rid of that ugly coil you now have, do it to it.

Below is a drawing of what the video clear kit readily was.

Kit from: COMPUTER ASSOCIATES, INC.
PO BOX 683
WEST FARGO, ND 58078



1 (405) 376-3569
BOB WASCJG

PACETRONICS RESEARCH CO.
COMPUTER SALES AND SERVICE
#TRS-80 COLOR COMPUTERS

#TRS-80 IS A TRADE MARK OF TANDY CORP. 1726 W. ROSEGAK DR. MUSTANG, OK 73064

The South Canadian Amateur Radio Society

FEBRUARY MEETING.....

The regular monthly meeting of SCARS was held on February 9 at the RED CROSS building in Norman. The items discussed at the meeting were:

---Members---

Thirty-nine radio amateurs had paid dues in January. Several of the members were new joining SCARS for the first time in 1985.

---List of Radio Amateurs---

A list of about 100 radio amateurs in the Norman area has been compiled and is being constantly updated. If you did not receive an announcement of the January meeting and live in or close to Norman, send your name, call, address, and phone number to Dave, KDSIT, 2735 Poplar Lane, Norman to get on the list. SCARS members will get a copy of the list sorted by last name and by call in a mailing during March.

---Repeater Enhancement---

NSBEW, chair of the repeater enhancement committee, reported that the search for a new controller/autopatch had been narrowed to two units: the Maggiore Electronic Labs unit and the Advanced Computer Controls RC-85 unit. The committee is seeking info on either of these two controllers. If you have any info to contribute, call Ken, NSBEW, at 329-4667.

---Amateur Exams---

SCARS is planning to conduct a VE exam in Norman. The date is not firm but will probably be between April 9 and April 25. Watch C & E or listen to the Nite-Owl net for an announcement.

---Novice Class---

SCARS will be offering a six week class for instruction leading to a Novice license. The first class will be on Monday, March 4, 1985 at the RED CROSS building, 1205 Halley Drive, on the OU North campus in Norman. The time of the first meeting is 7:30 pm. For more info on this class, call Monte, the class coordinator, at 329-7485. A study group to help persons in the Novice class to pass element 3 (and hence earn a Technician license) is also being planned.

---ATV in Norman---

Fact: KASEFJ, Ken, has just completed his ATV station (except for a couple(?) of assembly problems). He will be on the air any day now.
Rumor: KDSIT, NSBEW, and KDSWA are close to having ATV rigs. If you have an ATV capability, watch for these 'hams' on the air.

---We Thank you, Sam---

Sam Barrett, WASRPP, has written this column almost entirely on his own for several years. On behalf of SCARS, I want to express our thanks for an outstanding job. I hope we can continue to have his help for many more years.

KDSIT

The club has decided to start a Novice class beginning on Monday, March 4th. It was also decided to have FCC exams for Technician thru Extra Class in mid-April.

Research for obtaining the new controller for the repeater is coming right along. Ken, NSBEW, has collected quite a bit of information, and he and Monte WB5RZX are sorting through all of the data in order to make a recommendation to the club.

SCARS TO OFFER CLASS.....

As noted above, SCARS will sponsor a Novice License class beginning on March 4th at 7:30pm at the Red Cross Building in Norman. The class will meet once a week for approximately six weeks. Anyone who is interested should call Monte at 329-7485 for further information.

PERSONAL OPINION.....

First of all, I would like to say that the opinions that are about to be expressed here are my own and do not necessarily reflect the feelings of the other members of the club.

As anyone who has read this column over the past few months knows, I have been pressing for a Volunteer Examiner Team in Norman. Norman constitutes a large area, and it is to our advantage to be able to administer exams to interested and qualified persons of our area. I have, to that end, encouraged all interested persons to contact the ARRL in order to be certified.

I am a Life Member of ARRL and have always supported the League because I feel that the Amateur community can have the greatest impact toward furthering our goals when we present a united front. Until recently, I have also felt that the ARRL was the logical group to sponsor nationwide exams because they are, in my estimation, the most prominent national organization. I have now, however, changed my mind.

We have been trying for several months to obtain certification for enough individuals so that a team could be formed. In one case that I know of, the amateur sent the initial form to the ARRL in October. He was notified that his form had been received and that as soon as the manual was available, he would receive the materials necessary to complete application as a VE. It is now February, and he has yet to receive the rest of his material. In desperation and with the help of K5NK, we were able to contact the W5YI VEC and obtain certification for three examiners within ten days.

What is wrong with ARRL? With months to prepare and an organization the size of the League, why can't they get their act together? I called the ARRL office on Feb. 11th, the day I received my VE certification from W5YI, and asked to speak to Kurt Holsapple, the person in charge of the VE program. I was told by the receptionist that they were all out to lunch. WHAT'S NEW????? Anyone who has been trying to become a VE in the last few months knows that the League has been out to lunch for a long time.

I understand that they are having problems getting their manual printed, however one person with a mimeograph machine in their basement could have run off about a zillion copies in the four months that the League has been fooling around. The Amateur population would never grow if it were left up to the ARRL to be the licensing body. If I sound angry, it is because I AM angry. Delays of this nature are unforgivable in something as important as amateur licensing exams.

-wa5rpp-

TEN YEARS OF CORA C&E

What subjects are being published in C&E? What are we interested in? How has C&E changed since its publication by CORA began ten years ago? How have the amateurs in this area been doing with their major projects? We can answer these questions to some extent by simply counting the articles in the C&E INDEXES.

Such an evaluation has already been made for the first five years and was given in the March, 1980 issue on pages 41 and 42. A count of the articles for the second five years has been made using approximately the same headings as for the first period. Both periods are given below:

SUBJECTS	1st	2nd
AMATEURS AND AMATEUR RADIO	35	34
BIOGRAPHY AND HISTORY	44	46
CONGRATULATIONS, AWARDS & THANKS	13	14
CORA, C&E, AND HAM HOLIDAY	23	44
LITERATURE REVIEW	32	18
MISCELLANEOUS	22	31
OPERATING, CONTESTS & DX	96	74
ORGANIZATIONS	19	31
PUBLIC RELATIONS AND SERVICE	31	192
PUZZLES, JOKES, STORIES, ETC.	-	113
RULES	21	66
TECHNICAL (all)	240	322
TRIPS, HAMFESTS AND CONVENTIONS	35	50
WEATHER	26	56
TOTALS	637	1091

HIGHLIGHTS

Those interested in public service will be happy to see the significant increase in the count from the first to the second five year period.

Joe Harding, WA5ZNF, the Managing Editor for almost the entire ten year span, requested more humor. There was none listed in the first five year summary. There was some in MISCELLANEOUS. As you can see, Joe's request brought an excellent response.

RULES showed more than triple increase in the second period. I don't think this means we are more unruly. Quite the contrary. I think this reflects the fact that the FCC is doing more toward rule by amateurs. Also, the Amateur Radio community is working on its legal problems. Mike Salem, N5MS, has been doing a lot of research and legal article writing, just one of his many subjects in C&E.

Joe Buswell, K5JB, has been writing lots of technical articles lately, as he has been doing since the beginning of CORA C&E (even before this). I don't believe he has missed a single issue in ten years. Many of his fellow technical writers have been very busy also. The count for these articles are the largest in the fourteen classifications and growing.

C&E is advancing into the latest high-tech subjects as the following chart shows. All the listed subjects have been combined for the count given for each year:

HI-TECH SUBJECTS. Logic, Computers, Micro-processors, Control, ASCII, Specialized Communications, Satellites, Packet.

YEAR	COUNT	YEAR	COUNT
1977	7	1982	14
1978	7	1983	51
1980	7	1984	19
1981	6		

According to the totals for WEATHER given earlier, we have doubled our weather watching and preparation for severe storms.

EVALUATION BASIS. The indexes looked like a quick and easy way to get an overall picture. I think it has been a good ten years for the CORA Collector and Emitter.

Bill Rogers, WA5RAQ

EDMOND AMATEUR RADIO SOCIETY 147.795, 147.135

Our last meeting was Friday February 15, 1985 and we all met at the E.O.C. in Edmond and we were all very please with the covered dish dinner. K5SKA pulled the N5OBM of the month when he discovered that his plastic fork had one tine missing after swallowing a piece of cake. As far as I can tell at this time it is passing through without complications. Burp! I think?

We were surprised later when the Civil Defense Director arrived and we found that we had spotted a tornado over Quail Springs Mall and David had the sirenes in Edmond sounded and as it turned out Mr. Van Nostrand was absolutley correct in doing so. He also annouced that we would conduct a simulated emergency test designed by K2JDV John who is a retired military man. It will be held March 2, 1985. This is on the Saturday that we normally test sirenes so be alert that day.

Our next meeting is a business meeting that will be held at the Edmond E. O. C. at 2:00 P.M. on Sunday March 17, 1985. Our President Ken Stepp will discuss the ordinance involving towers antennas etc. in Edmond and will have looked into the facts prior to the meeting. He will also have other information of interest to all at the same time so what ever you do be sure to be there and be a part of the growth we are experiencing.

Burp,

Burp, til next time

Bill Burp K5SKA

THE PAPER OF THE MONTH

(Editor's note: At a suggestion from one of our most active members a new column will be run each month in the Bulletin titled "NEWSLETTER OF THE MONTH." In no way is this a Contest. The purpose is to describe certain publications that are outstanding because they are unique or are outstanding in some way.)

THE CORA COLLECTOR and EMITTER Central Oklahoma Radio Anateurs

The Collector and Emitter is a publication supported by 18 clubs in the Oklahoma City area (although some are located at some distance.) The editor is Joe Harding, WA5ZNF from Midwest City OK. The publication is printed on newsprint paper approximately 7.5 by 11 inches and has from 24 to 32 pages. The bulk of the paper consists of reports from clubs belonging to CORA, but each issue contains two very interesting articles. Michael Salem, N5MS, always has a column of extreme interest, the current issue reporting on a new system of navigation. A most interesting article each month is on the experiences of Q. R. Zedd, the greatest DXer of them all, who has unbelievable experiences. You will simply have to read about Tondelyano, the mobile, blonde, 20-year-old, QSL Secretary and c o n s t a n t companion. Joe Buswell, N5JB, has contributed an article in every issue (120 now). The type is of standard newsprint except for some articles from clubs that is printed as received, some on a dot-matrix printer. A club calendar is always found on the last page. A small bit of advertising is included. Altogether it is an excellent publication and many articles would have been reprinted in the ARNS Bulletin except for their length.

-ARNS-

(The above was copied from the Amateur Radio News Service Bulletin. I want to thank Andy, KONL for the kind words. I forgot to send copies of the C&E for the contest last year, I'll try to do better this year. Joe, WA5ZNF)



Paul Thompson N5PT
Okla. County EC, ARES

Amateur Radio Emergency Service POLICIES AND PROCEDURES FOR THE AMATEUR RADIO STATION AT N.W.S.

1. Upon entering the station, you must check in with the lead forecaster and get acquainted with him and get an update on the latest information and what is going on. There will be NO SMOKING in the radar room at any time, and no more than two (2) Amateurs in the radar room during "SEVERE WEATHER".
2. When using the station at the N.W.S., use your own callsign, then identify your station as being at the N.W.S.
3. All weather bulletins will be read from the official NOAA form, and not read off the AFOS screen, because there is too much chance of an error. (The goal is 100% accuracy)
4. WARNINGS and / or Watches for the outlying areas of the OKC Metro area, will be broadcast first on the "SEVERE WEATHER FREQUENCY", and on the repeater closest to the area covered by the WARNING, then on as many other frequencies as needed.
5. N.W.S. will issue WX bulletins on 146.82MHz only for the area 50 mile radius of N.W.S. These bulletins will be "WARNINGS" only. NO watch bulletins. (as requested by OCAPA)
6. All outlying Nets are urged to assign a "NET LAISON" to check in with the N.W.S. on the "SEVERE WEATHER FREQUENCY", to coordinate WX conditions.
7. When outlying Nets are in session, and a "NET LAISON" has not been assigned, check-in and identify as N.W.S. station in OKC and pass traffic as needed, through "NET CONTROL".
8. For the present, A primary frequency of 146.78MHz, and back-up 146.94MHz, will be assigned as the "SEVERE WEATHER FREQUENCY", to be used to broadcast WX bulletins, and pass WX related traffic.
NOTE: This frequency should be restricted to "NET LAISONS" and WX Stations, during "SEVERE WEATHER" conditions.
9. The Lead Forecaster is particularly interested in the following Spotter information, to verify and / or qualify the "WARNINGS":
 - a. Hail "dime" size or larger (diameter)
 - b. Damaging winds (50 mph or greater)
 - c. Flooding
 - d. Tornadoes
 - e. Funnel clouds associated with a wall cloud
 - f. Rotating wall clouds
10. All WX related information, within reason, received or passed, to / from the N.W.S. station, must be logged ACCURATELY!!!!!! Use the "SEVERE WEATHER ACTION LOG" form, and fill out completely.
"TIME" is the time the event occurred.
"WHO/WHOM" is the person or agency reporting the event.
"WHAT" is what event took place.
"WHERE" is the exact location the event took place.
"FREQ" is the frequency on which the information was Rec. or Trans.
11. There will be a monitor, directly off the RADAP II system, with county map backgrounds, at our disposal, for relaying VIP levels and updated information that pinpoints the leading

edge of cells.

* CAUTION * Do NOT attempt to second guess or anticipate warnings.

12. When securing the N.W.S. station:
 - a. Sign all log sheets with date and time. (local)
 - b. Notify all Net Laisons & WX stations you are securing the N.W.S. station.
 - c. Give a brief weather summary to all stations before signing.
 - d. Make a copy of the completed Log Sheet(s), and give it to the Lead Forecaster.

ARES - Stormy Times Ahead

Regardless of what my senses tell me, it really isn't spring. As I write this month's column the trees in the yard are beginning to bud out, birds and squirrels are on the back lawn foraging for food, the sun is in the process of drying the earth after recent heavy rains ... Yes, rain. We couldn't do without it. Sometimes, however, with the rain comes some pretty interesting side-phenomenon. Those of us who have lived in this sun belt state for more than a year are beginning to cast semi-anxious glances at the sky as word of approaching "rainy" (read T-storm) weather is forecasted on the tube. Some begin to monitor the .22/.82 repeater in anticipation of a possible weather net being called. No, spring doesn't officially begin for another month, but the recent rain and some pretty heavy activity already this year has certainly gotten us started thinking about spring storm season (not to mention fertilizing, watering, mowing, weeding, planting, etc.) The first tornado of the tender new year touched down somewhere near Atoka, causing extensive property damage as it skipped across the county. Another tornado near Frederick, downed power lines, and heavy flooding across the state are further evidences that our stormy spring has already begun.

"What, me worry??" was the motto of Alfred E. Neumann, the National Lampoon figure featured on most every cover. And we really took his motto to heart in those good ole college days (look at some of our grades to prove it!) While we certainly shouldn't be spending our waking hours worrying about when and where the next big weather (or other) emergency/event is coming from, we also can't afford not to spend a little time in preparation for the upcoming season. A little common sense in getting our stations and ourselves readied can go a long ways should our resources be called upon. Here is a list I use, perhaps you have some other important items on your list:

- 1) ARES Identification Card (RACES ID card)
- 2) FCC Amateur Radio Operator License (Current?)
- 3) Station Equipment in good working order?
 - a. Rig - spare rig
 - b. Microphone / Key
 - c. Headphones
 - d. Power supply / extra batteries for portable rig
 - e. Antennas / Mag mount antenna for any vehicle
 - f. Spare fuses for all equipment
 - g. Coax jumpers, patch cords for all equipment in good shape
 - h. SWR meter
 - i. Extra coax, extra all-band dipole or vertical
- 4) Other equipment
 - a. Pen/pencil/eraser
 - b. Clipboard
 - c. Message forms
 - d. Log book
 - e. Note paper
 - f. Weather net map and condition codes
 - g. Maps of city, county, state
 - h. For mobile operation:

CONTINUED NEXT PAGE

The December meeting of the Altus Area A.R. Association was cancelled because of inclement weather. Two brave souls did show up- Dwight Dennis, WB5KRH, and Sherwood Harris, WA5TXG.

Club elections were postponed until the January meeting (1-10-85 - 2nd. Thursday of the month at 1930 hrs in the basement of the North Main Fire Station). Officers to be elected for 1985 are President and Secretary-Treasurer.

Welcome to Matt Bassett, old WB5UBA and now N5HCI. Matt has moved back to Altus from Elk City.

Loren, WA5CBF, now should be more 'radio-active' since his ADZEN PCS-2000 has been repaired. You don't get out too far with shorted diodes and a broken microphone cable.

Janice, WB5WMN, is back in the swing of Holiday Cheer after suffering a bout with the flu. She had to spend one day out of school.

Deanna and Paul, WB5UMH and WD5BBO, are preparing for Christmas. I bet Deanna has some nice tasting goodies to eat. What say, Dwight and Dennis!

Mike, W5VXU, has a new project with teaching a pack of Boy Scouts the morse code for their badges. I understand the Vernon, Texas A.R.C. is involved in this same type of project.

The Southwest Oklahoma Repeater Association is currently in it's annual membership drive. Let's all go and support our fine repeater system for southwest Oklahoma and northwestern Texas. Contact Loren, WA5CBF or Dwight, WB5KRH. Remember Weather Watch season is just around the corner and we DO want the equipment is in "tip-top" shape.

For those interested, postage goes up to twenty-two cents for 1st. class mail on February 17th. '85.

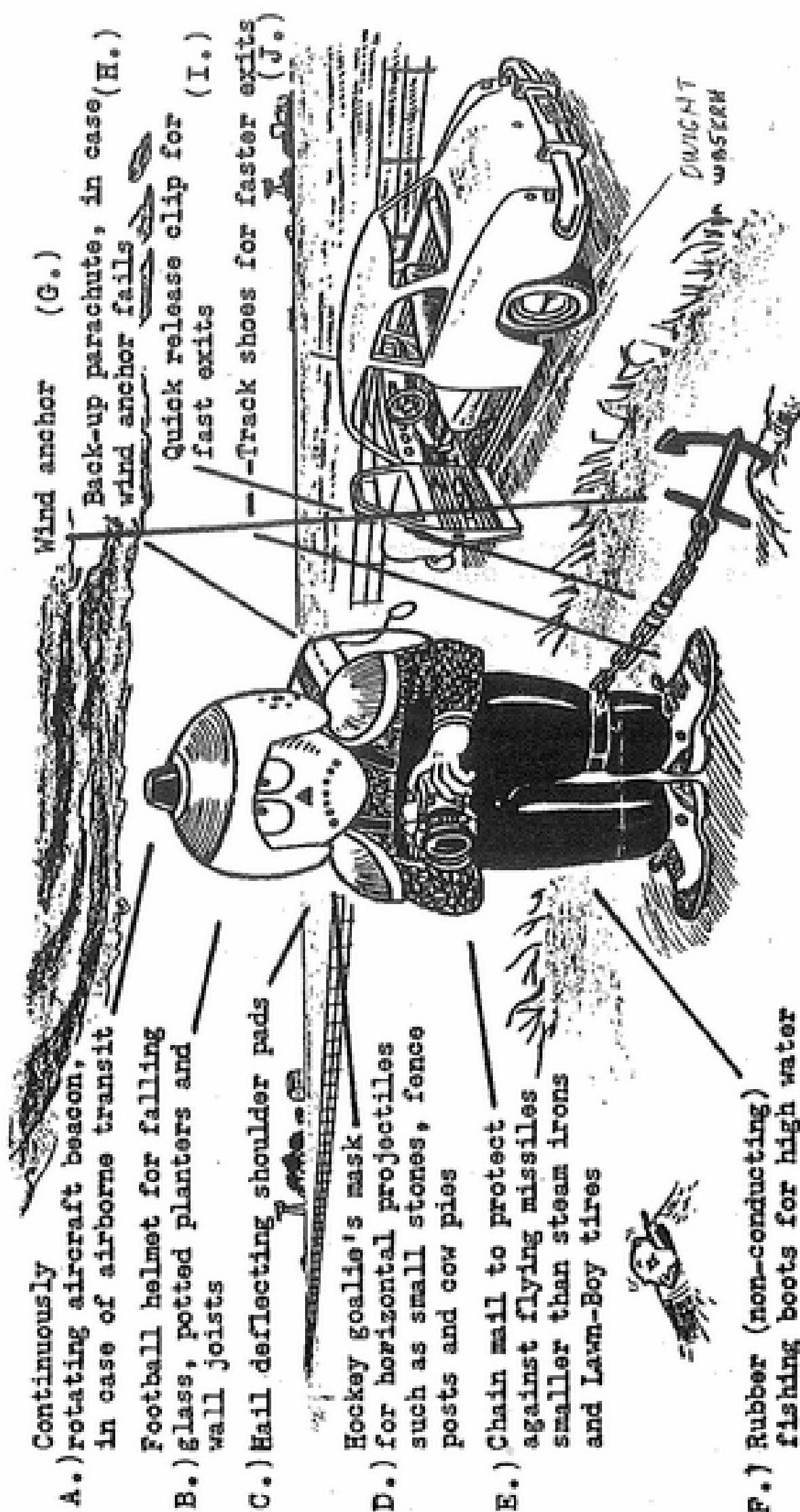
Delayne, NE5A, has been playing around again-well with his Commodore 64 that is! He is currently working on a technical accident investigation report program for his line of business. Careful there, you speeders.

Dwight, WB5KRH, has been busily preparing for the Weather Watch season. He has been working on walkie-talkies and mobiles.

CU there 1-10-85.

73's
Loren, WA5CBF

THE WELL EQUIPPED STORM CHASER



EDITORS NOTE: The December report was mailed by Loren in December, in plenty of time. It was received FEBRUARY 20. There must be some glitch between Altus and Del City. Sorry about that. Joe, WA5ZNF.

CONTINUATION OF THE ARES DATA

charging system checks out,
mobile logbook,
all the above available
plus flashlight

- i. Toolbox in order, soldering iron,
solder, electrical
tape, spare coax connectors,
pliers, VOM, etc.

Well, this list doesn't cover things you might take with you if you were called into duty to staff another station (command post or operator relief) but it does try to cover your personal station.

Frank, N5FM is looking for a few good operators to help build the ARES organization in several areas. First of all, at present there is no ARES Emergency Coordinator in Cleveland county since Jess, AF5X left for Utah. We have spoken to several amateurs in the Norman area who indicated that they would like to help locate someone but weren't willing themselves to volunteer. Perhaps one of the clubs in the area has someone that has been active in emergency operation, operating equipment, organizing people, etc. who might be willing to take on the task with the support of their club and others in the amateur community. If you have someone in mind who can help, or you yourself would like this opportunity to build and maintain a strong ARES group, let that person know and let Frank know. He would app-

reciate hearing from you.

Another area where we seem to lack good amateur participation is the area of far North-east Oklahoma County (possibly SE Lincoln County) around Luther, Arcadia, Wellston? We just don't have anyone up there to help in spotting for weather or to be Johnny-on-the-Spot if something does happen in that area. Are we just ignorant? Let us know!

The Oklahoma County ARES Net got off to a good start on February 14th on 146.34/94 with ten check-ins and several more calling in afterwards who hadn't been able to check in. The following week we had six check in on the 28.7 MHz net with two more after the net had closed down. I wish to thank everyone who participated in these first nets for their help and ask your continued support especially in getting other area amateurs interested by talking up what we plan on doing here in Oklahoma County and environs. For those who may not yet have the information on the net times/frequencies:

1st/3rd Thursdays - 146.34/.94
2nd/4th Thursdays - 28.7 / 28.110 Novice
check in frequency

The net will meet at 0200Z or 8:00 PM local time for 30 to 45 minutes. 5th Thursdays there will be no net.
Paul Thompson, N5PT

13

WAVELENGTH	TRANSMATCH	MICROPHONE	IONOSPHERE
AMPLIFIER	WATTMETER	INSULATOR	REFLECTED
LONGWIRE	VEEBEAM	ROTATOR	COAXIAL
DIPOLE	FILTER	GUYWIRES	BAZOOKA
KEYER	BEAM	QUAD	YAGI

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* N O P R D E O A D P Q T E T E A L M K G *
*
* E O L O E O N E A F G U Y W I R E S T M *
*
* I E S T W B A Q N P Q U A D S A E O L I *
*
* O R I A W E Y P F R R W E A A I N O U C *
*
* N F W T T A T U A Y A E P T A A N I T R *
*
* O W G O E F A F Y V A Y F P A G O F A O *
*
* S A Z R M A E B E E V G A L W L A R I P *
*
* P T A M I E I L M G G E I I E Y M S P H *
*
* H T I T P O E A O N P O R E I C Z V L O *
*
* E M D B T N A I C B A E E L B B T L I N *
*
* R E R E G R T R A N S M A T C H R E T E *
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* E T O T N O T M B A Z O O K A I E K D M *
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* I E H W E T E R O G K E E I F F Y I I I *
*
* C R A T M A E B D E Y F E A I V E A F O *
*
* N Y A B R L W C A E G A P N L A K Y A A *
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* I A N L L U Q I G A Y M S E T T L T R C *
*
* W V N G A S Q C O A X I A L E T A I Y Z *
*
* G R L A A N P N D I P O L E R O F T A W *
*
* E S E A Y I A I B Z A M P L I F I E R A *
*
* B Z Q K S T R A R L O T F R C G R V G L *
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K2GKK/5

A	BARNES WALTER	9909 HARDOR DR	OKLA CITY OK 73132	721-3322
A	BOYD JERRY	4004 FAIRVIEW	DEL CITY OK 73115	677-7251
A	BREMER VERN	RT 1 BOX 191	FAIRVIEW OK 73737	-
A	BROWN HAROLD	519 W. FORD	SHAWNEE OK 74801	275-3399
A	BUNTOENS CHARLES	1956 HEDGES RD	ARDMORE OK 73401	226-1955
A	DNS *	1533 S.E. 66	OKLA CITY OK 73149	670-9600
A	EISENHOWER DON	408 N 7TH	FAIRVIEW OK 73737	227-2731
A	FCC *	9330 LBJ FREEWAY	DALLAS TX 75243	-
A	GAUNCE CHARLES	1706 B W. ROBINSON	NORMAN OK 73069	360-3077
A	HAGGLUND H.E.	1619 HANTHORN	NORMAN OK 73069	364-3877
A	HOLT EUNICE	4420 NM 19	OKLA CITY OK 73107	942-3450
A	HUGHART DR. MARSHALL	CLINIC 15700 VICKER	HOUSTON TX 77032	-
A	IMLAY GEN COUNCIL CHRIS	1302 18TH ST	WASHINGTON DC 20036	-
A	JOHNSON THAD	1208 NM 42	OKLA CITY OK 73118	525-6125
A	JOHNSTON E.R.	RT 2 BOX 83	MOORELAND OK 73852	-
A	LABOR RELATIONS BR.	FAAPO BOX 25082	OKLA CITY OK 73125	-
A	LIBRARY FAA AERO	CENTERPO BOX 25082	OKLA CITY OK 73125	-
A	MCCALLAND DEMEY	1008 IDYLWILD DR	MIDWEST CITY OK 73110	737-6084
A	MEREDITH MARK	2113 BLUE CREEK PKWY	NORMAN OK 73071	321-0924
A	MULLICAN MARTIN	1313 N.W. 6TH PL.	MOORE OK 73160	793-9832
A	OMEN FRANK	RT 2-9221 NE 122	JONES OK 73049	-
A	RAINES SALLY	RT 1 BOX 108	WAYNE OK 73095	527-3845
A	STINE LUCILLE	1612 FRONTIER	STILLWATER OK 74074	372-2380
A	STINE MARK	1612 FRONTIER	STILLWATER OK 74074	372-2380
COCO	ALEXANDER SCOTT	3407 VINE	CHICKASHA OK 73018	224-8741
COCO	ANDERSON BILL	BOX 39	CARNEGIE OK 73015	654-2315
COCO	ATKINS CHARLES	3105 MCHILLAN	BETHANY OK 73008	495-2437
COCO	BAKER PAUL	6232 OLDE WARWICK	OKLA CITY OK 73132	722-4825
COCO	BAKULA GEORGE	2810 S.W. 59 4152	OKLA CITY OK 73119	-
COCO	BARTO JACK	9201 LANSBROOK	OKLA CITY OK 73132	721-8559
COCO	BARTON DENNY	1619 E. LONGVIEW LN	MUSTANG OK 73064	745-4164
COCO	BELTRAM E.F.	RT 2 BOX 82	EDMOND OK 73034	341-8731
COCO	BILLINGS SAM	RT 1 BOX 58F	CALUMET OK 73014	884-2330
COCO	BOETTNER LARRY	3600 S. HARVEY	OKLA CITY OK 73109	636-4294
COCO	BONEAU DAVID	617 N MARKWELL	OKLA CITY OK 73127	495-3251
COCO	BRAY JAMES	19047 RANCHWOOD DR	HARRAH OK 73045	-
COCO	BROTHERS JERRY	8230 HOLLYLEAF DR	SPRING TX 77379	-
COCO	BROWN LEROY	2641 SW 96	OKLA CITY OK 73159	691-5048
COCO	BROWN ORLANDO	124 CYPRESS	YUKON OK 73099	354-6438
COCO	BROWNING ROBERT	1618 CARLISLE CT	OKLA CITY OK 73120	842-0586
COCO	BROZEK RICHARD	11709 PRICE DR	OKLA CITY OK 73170	691-1204
COCO	BRYAN MARK	9317 BROUGHTON CT.	OKLA CITY OK 73132	721-4145
COCO	BURKLEO DAVID	1433 N BRADLEY	OKLA CITY OK 73127	495-0052
COCO	CARTER RAY	5017 NW 62 TERR.	OKLA CITY OK 73122	721-7420
COCO	CHAPPELL JEFF	2408 JENSON AVE	EL RENO OK 73036	262-3319
COCO	CHASSE ROBERT	2547 MEADOW COURT	WEST PALM BEACH FL 33406	-
COCO	COBURN DAVID	1511 N. MIDWEST BLVD	MIDWEST CITY OK 73110	736-6471
COCO	CONWAY MIKE	733 W SHEPHERD	MUSTANG OK 73064	376-3939
COCO	CRAMER PETER	716 BRIARCREST	MIDWEST CITY OK 73110	737-0059
COCO	CRUSSEN JACK	217 CHEROKEE DR.	YUKON OK 73099	354-4079
COCO	CUNDEIFF ERNEST	3821 S. DREXEL	OKLA CITY OK 73119	685-0684
COCO	DAVIS JEFF	1112 ELMHURST	MOORE OK 73160	-
COCO	DELAHAY MIKE	10244 PAISLEY RD	YUKON OK 73099	324-0740
COCO	DERRYBERRY KAY	2516 SW 83	OKLA CITY OK 73159	681-0461
COCO	DERRYBERRY RON	2516 SW 83	OKLA CITY OK 73159	681-0461
COCO	DOLING FRANCIS	2605 N.W. 49	OKLA CITY OK 73112	946-3093
COCO	EADS E.W.	330 W. CEDAR	MUSTANG OK 73064	376-9924
COCO	EDWARDS JAMES	2317 SW 92	OKLA CITY OK 73159	691-4240
COCO	FERNAND GALIANA	4234 WILLOWISP DR.	NORMAN OK 73069	329-4733
COCO	FINLEY ROBERT	11708 PRICE DR	MOORE OK 73170	691-5800
COCO	FLOWERS FRED	3017 N.W. 35	OKLA CITY OK 73112	946-0980
COCO	FOSS JOHNNY	505 NE 20	MOORE OK 73160	-
COCO	FOX HOMER	RT 1 BOX 130	CHELSEA OK 74016	342-1625
COCO	FREEMAN JAMES	2121 SW 85	OKLA CITY OK 73159	685-2210
COCO	GILKES FRANK	1512 S.W. 71	OKLA CITY OK 73159	681-5846
COCO	GODDARD DAN	BOX 246	GERONIMO OK 73543	-
COCO	GOODRIGHT GERALD	RT 1 BOX 414A	NEWCASTLE OK 73065	387-5249
COCO	GUY TERRY	1012 RICHMOND	YUKON OK 73099	354-6551
COCO	HAFTMAN MIKE	2116 QUEENSBURY RD	MOORE OK 73160	793-9381
COCO	HAMMOND STEVEN	624 NW 28TH	OKLA CITY OK 73103	943-5683
COCO	HANLEY J.	3409 SOUTH 101	OMAHA NE 68124	-
COCO	HILBUN R.L.	8109 WILLOW CREEK	OKLA CITY OK 73132	722-4176
COCO	HOGARD TIM	1625 MEADOWBROOK	PONCA CITY OK 74601	762-3905
COCO	HOLDEN JAMES	3316 OAKBROOK DR	DEL CITY OK 73115	677-0045
COCO	HOLLAND BILL	RT 5 BOX 384J	OKLA CITY OK 73169	745-3392
COCO	HOLLEY CARDIS	1741 E RIDGEVIEW	TERMOUSTANG OK 73064	745-3596
COCO	INGLE ALFRED	11201 TRACY CIR	NORMAN OK 73071	321-5556
COCO	IRION MICHAEL	2408 S. EVANS	EL RENO OK 73036	262-0774
COCO	JAHET DANIEL	2828 SW 86	OKLA CITY OK 73159	681-5794
COCO	JETTON BOB	5003 NW 20	OKLA CITY OK 73127	942-0809
COCO	JOHNSON BOB	RT 3 BOX 70C	BLANCHARD OK 73010	222-0867
COCO	JONES DONNIE	2342 SW 29	OKLA CITY OK 73119	634-1124
COCO	KENNEDY JR WILLIAM	7616 CLAYTON DR	OKLA CITY OK 73132	721-9330
COCO	KESLER DAN	1616 SW 34	OKLA CITY OK 73119	632-3825
COCO	KOLAKOWSKI DAN	3804 NW 70	OKLA CITY OK 73116	843-5832
COCO	LACOSTE JIM	2136 NW 25	OKLA CITY OK 73107	524-2702
COCO	LADINJA TOM	808 S CHUCKWAGON DR	MUSTANG OK 73064	376-1366
COCO	LANGMACHER ROBERT	RT 1 BOX 158	MUNDO OK 73059	352-4035
COCO	LANGMACHER RON	RT 2 BOX 20	CARNEGIE OK 73015	654-1015
COCO	LATHAM DAVID	4936 N.W. 26	OKLA CITY OK 73127	-
COCO	LAWSON JOHN	7894 N.W. 40	BETHANY OK 73008	787-5360

COCO	LOE LARRY	716SC HOLDEN DR.	TINKER AFB OK 73145	732-6903
COCO	LUTZ LOREN	RT 5 BOX 557	OKLA CITY OK 73169	745-3322
COCO	MACARTHUR DAVID	3317 SE 57	OKLA CITY OK 73135	672-6210
COCO	MADDOX RICHARD	4120 SE 14	DEL CITY OK 73115	672-8162
COCO	MADERUS ROSS	FT RENO PARK LOT 144EL	RENO OK 73036	-
COCO	MCCUBBIN JR. RONALD	3416 BAIRD DR.	EDMOND OK 73034	341-0591
COCO	MCFALL TERRY	933 NW 6	MOORE OK 73160	794-3531
COCO	MEADOR GENE	8501 S BROOKLINE AVE	OKLA CITY OK 73159	-
COCO	MEADOWS KARY	2054 CANADIAN	MUSTANG OK 73064	745-2400
COCO	MILHOLLON SHERMAN	8700 BOB WHITE RD	YUKON OK 73099	354-6333
COCO	MILLER JIM	3413 MEADOWBROOK DR.	MIDWEST CITY OK 73110	733-8677
COCO	MORGAN DEMEY	1420 SW 52	OKLA CITY OK 73119	681-8473
COCO	MORK HENRIK	4752 SE 43	DEL CITY OK 73115	670-4234
COCO	MURR SAM	517 CONESTOGA DR.	YUKON OK 73099	324-6443
COCO	NICHOLSON LARRY	4101 NW EXPRESSWAY	OKLA CITY OK 73116	848-8089
COCO	OBORSKY ROBERT	7014 NW 59	BETHANY OK 73008	721-0445
COCO	PAPE PAUL	1610 OXFORD WAY	OKLA CITY OK 73120	848-1674
COCO	PERRIN LESTER	10028 MAHLER PL	OKLA CITY OK 73120	751-4172
COCO	PETTY DR. JAMES	1016 NW 41	OKLA CITY OK 73118	528-7687
COCO	PIERCE RAYMOND	11900 SE 44	OKLA CITY OK 73150	733-0951
COCO	POOL BILL	1206 LYNNWOOD	LINDSAY OK 73052	756-2817
COCO	PRIVETT BOBBY	805 KOUBA DR	YUKON OK 73099	354-5612
COCO	RAIBOURN DEE	2323 VILLAGE DR	LAUNTON OK 73501	357-1007
COCO	REED HERBERT	8800 ROLLING GREEN	OKLA CITY OK 73132	722-4315
COCO	REEDER DEVIN	4136 NW 59TH	OKLA CITY OK 73112	943-4244
COCO	RICE PHIL	RT 3 BOX 61T	YUKON OK 73099	324-0744
COCO	RIDNER LLOYD	7001 NW 21	BETHANY OK 73008	789-2361
COCO	RITZ DICK	4204 SHANNON WAY	EDMOND OK 73034	348-1743
COCO	RITZ NANCY	4204 SHANNON WAY	EDMOND OK 73034	348-1743
COCO	ROBERTS DOROTHY	2400 S MACARTHUR	OKLA CITY OK 73128	681-5220
COCO	ROBERTS LOYAL	617 N FIRST	FAIRVIEW OK 73737	227-4647
COCO	ROGERS RAYLON	RT 3 BOX 89	WELLSTON OK 74881	258-0717
COCO	SAMPLE LEWIS	7604 EMBASSY TERR.	OKLA CITY OK 73169	745-2872
COCO	SAVAGE JIM	605 LOLA	LINDSAY OK 73052	756-4264
COCO	SCHIEL MARTIN	5313 SPITZ DR	OKLA CITY OK 73135	670-6891
COCO	SCHNITT W.T.	1820 N ANN ARBOR	OKLA CITY OK 73127	943-5758
COCO	SCOTT VIRGINIA	1611 BARNICK	NORMAN OK 73069	321-7469
COCO	SEEGER FRED	RT 1 BOX 596-F	COVINGTON LA 70433	-
COCO	SEVERSON MOH	2301 CELINA	MIDWEST CITY OK 73110	737-6340
COCO	SHOUNAKER W.A.	RR 4 BOX 285J70	BLANCHARD OK 73010	392-5585
COCO	SIEMER DORDON	2077 TIMBER WOLF	TRAEDMOND OK 73034	348-2184
COCO	SIEMER MICHAEL	2077 TIMBER WOLF	TRAEDMOND OK 73034	348-2184
COCO	SIMS TERESA	5001 SE 34	MOORE OK 73165	794-1033
COCO	SMITH DARWIN	716 SHALLEY DR	NORMAN OK 73071	321-8315
COCO	SPARKS JAMES	RT 3 BOX 133	BLANCHARD OK 73010	344-6354
COCO	SPENCER HARLEY	2425 SW 95	OKLA CITY OK 73159	691-2704
COCO	STALLBAUMER TEDDY	2803 DESTRAE DR	CHICKASHA OK 73018	224-6250
COCO	STEVENSON NORMAN	1136 SE 18	OKLA CITY OK 73129	677-5238
COCO	STONE JOHNNY	2660 SW 43	OKLA CITY OK 73119	681-2141
COCO	STOTT THOMAS	11812 O'CASEY	YUKON OK 73099	324-5086
COCO	STOUT TERRY	3632 ROLLING LN CR.	MIDWEST CITY OK 73110	737-4355
COCO	STOVER JIM	4516 S.E. 35	DEL CITY OK 73115	672-0394
COCO	STRIEGEL ROBERT	716 SW 11	MOORE OK 73160	793-1352
COCO	SWINDELL JAMES	RT 1 BOX 393P	LUTHER OK 73054	-
COCO	SWINDELL ROBERT	RT 1 BOX 77	NEWCASTLE IN 47362	-
COCO	THELIN TED	9720 NW 3 PL.	MIDWEST CITY OK 73130	737-0486
COCO	THOMPSON ROBERT	2833 SW 76	OKLA CITY OK 73159	681-0875
COCO	WALKER JEROME	1109 S PATTERSON	MOORE OK 73160	-
COCO	WANDLER TONY	8734 SILVER CREEK	DRSPENCER OK 73034	771-5795
COCO	WARD ARLANDO	753 W MAIN ST	MOORE OK 73160	794-8351
COCO	WARE WORN	5412 DARLA DR	OKLA CITY OK 73135	670-2376
COCO	WARREN LARRY	4405 BISON RD	SHAWNEE OK 74801	275-0119
COCO	WASHINGTON ARCHIE	11005 N VILLA	OKLA CITY OK 73120	751-4162
COCO	WEST CHUCK	BOX 161	YUKON OK 73099	373-3039
COCO	WHITTINGTON JIM	8508 S KENTUCKY	OKLA CITY OK 73159	681-3878
COCO	WILLIAMS BUTCH	532 S.E. 66	OKLA CITY OK 73149	632-7509
COCO	WILLIAMS ROBERT	RT 14 BOX 426	MOORE OK 73165	799-5000
COCO	WILSON LEON	616 W HILL	OKLA CITY OK 73118	525-9544
COCO	WOODSON PAUL	10300 CASA LINDA	OKLA CITY OK 73139	691-5988
COCO	WOOLF JAMES	1208 CAROL LANE	OKLA CITY OK 73127	495-3621
COCO	WUELZER KEN	10321 KOCH DR	OKLA CITY OK 73130	-
MOA	BENNETT JAMES	10417 LEICESTER	YUKON OK 73099	324-0749
MSAA	REA RALPH	2213 SW 69	OKLA CITY OK 73159	685-0898
KASAAE	THOMAS JAMES	RR 1 BOX 22	ROSTON OK 73855	533-4296
NSABE	WHITNEY ORVILLE	3720 NW 60	OKLA CITY OK 73112	946-4263
NSABF	LOVE JERALD	4517 SE 27	DEL CITY OK 73115	677-1078
NSABK	KYKER JR HENRY	909 CAMPBELL	ARDMORE OK 73401	223-3585
NSABL	HOLCOMB HOLLIS	RT 5 BOX 25	BLANCHARD OK 73010	387-9267
NSABH	GORDON HERSHEL	5100 SE 58 PL.	OKLA CITY OK 73135	677-3912
NSABT	WARD GORDON	BOX 493	CACHE OK 73527	-
KBSAC	DAWSON RAY	7308 LANCET LANE	OKLA CITY OK 73120	843-1767
MSAON	BIGELOW DEEDS	BOX 2930	EDMOND OK 73083	341-0556
MSAOD	TIDWELL WILBERT	913 RANCHOAK DR	YUKON OK 73099	354-3320
MSAEF	HARRIS EUGENE	4301 NW 15	OKLA CITY OK 73107	946-7023
MSAFH	WEBB THOMAS	3021 BIO OAK DR	MIDWEST CITY OK 73110	-
KASAFH	JANDA BOB	1909 EDGEWOOD	EDMOND OK 73034	341-2046
MSAGC	PASS WADY	RR 1 BOX 254	CATOOSA OK 74015	266-1782
KBSAH	DAILEY DAVE	1105 NE 22 ST	MOORE OK 73160	794-6470
KSAHU	LUTZ ROBERT	4000 W LIBERTY	OKLA CITY OK 73107	942-3077
MSAIP	BRATTON BOB	2003 HONEYSUCKLE #6	HANGUN OK 73554	782-3073
KSAJW	HOLDING MAURICE	2736 SW 53	OKLA CITY OK 73119	685-3803
NSAKL	DEMERCSON FREDDIE	801 MUSGRAVE BLVD	OKLA CITY OK 73114	478-0566
NSAKH	HODGES SONNY	BOX 67	FORGAN OK 73938	487-3421

NSALG	FIELDS ROBERT	215 PINE TREE LN	NORMAN OK 73069	329-7391	NSDBH	STAPP KEN	1109 APOLLO CIR	EDMOND OK 73034	341-4874
NSAMV	WADDELL DEAN	316 W MAIN	NORMAN OK 73069	-	NSDBR	MACKELVIE BILL	5908 N STERLING DR	OKLA CITY OK 73122	721-5705
NSANV	TREIBER VERN	95 ELMWOOD	PONCA CITY OK 74601	767-1571	KASDCG	LOCKE C.E.	309 NW 85	OKLA CITY OK 73114	842-0814
NSARV	ALLEN JUNE	7309 S DOUGLAS AVE	OKLA CITY OK 73137	632-1708	NSDOB	CRENS MIKE	5709 NW 115	OKLA CITY OK 73132	722-2638
NSAS	BAKER HOWARD	5928 N REDMOND	OKLA CITY OK 73122	721-5453	NSDEC	STEPHENSON SR H.A.	BOX 27	LONE OAK TX 75453	447-2724
NSASK	CHRISTIAN LARRY	100 N.E. 11TH	MOORE OK 73160	793-8021	NSDEM	MOORE RON	2225 RED ELM DR	EDMOND OK 73034	478-0049
NSATC	GARTSHAW HARRY	9921 SUNSET BLVD	BEVERLY HILLS CA 90210	-	NSDFK	ROMINE LARRY	3913 SE 25	DEL CITY OK 73115	677-0002
NSATO	MILLIS RAYMOND	401 N MAIN ST.	GRANITE OK 73547	539-2184	NSDFT	CRAMFORD DICK	4103 SE 14	DEL CITY OK 73115	677-0170
NSAUN	SPROUL JERRY	128 RANCHWOOD	YUKON OK 73099	354-2061	KASDGY	BENSON HUGH	4428 NW 45	OKLA CITY OK 73112	946-0033
NSAVK	NELSON JOHN	2001 TEXAS ST	NORMAN OK 73071	321-8566	NSDJO	LESLEY CARL	18280 N.E. 10TH	HARRAH OK 73045	454-3194
NSAVO	SPARKS JERRY	BOX 846	NICOMA PARK OK 73066	769-9545	NSDKC	BUNCE GEORGE	RT 1 BOX 85	EDMOND OK 73034	341-6419
KSAH	BOUCHER AL	BOX 203 HOXBAR RT.	ARDMORE OK 73401	223-4921	NSDKD	PEDERSEN JOHN	3317 MEADOWBROOK	MIDWEST CITY OK 73110	737-1082
KOSAN	WILLIAMS KARL	840 N.E. 27	OKLA CITY OK 73105	424-3760	NSDKZ	WOODMORTH CHARLEY	131 LAKESIDE DR	ALTUS OK 73521	482-4298
KSAWD	JONES BILL	5021 BUDDY LN.	OKLA CITY OK 73119	-	KDSOL	STEWART HOLLY	BOX 30316	MIDWEST CITY OK 73140	737-3700
NSAME	GREGG EARL	1732 NW 35	OKLA CITY OK 73118	525-2870	KSDLE	NAILON GENE	RT 5 BOX 135	GUTHRIE OK 73044	341-8289
NSANI	LOVE LESTA	4517 SE 27	DEL CITY OK 73115	677-1078	NSDLN	ADKINS VICKI	8517 NW 92	OKLA CITY OK 73132	722-6195
NSAXH	BOLGER MELVIN	2817 LAKESIDE DR	OKLA CITY OK 73120	755-0654	KASDIX	TALTON MAJOR B.	1705 OAKLAWN	OKLA CITY OK 73121	-
KASAXH	GREEN JOE	915 THISTLEWOOD	NORMAN OK 73069	364-4301	WDOOZ	DICKENSON ANGEL	12610 E MAPLE BOX	ZSCOLDMATER KS 67029	582-2885
NSAYL	LYON ROBERT	4409 WOFFORD RD	DEL CITY OK 73115	677-7200	NSDPR	BEATTIE HARRY	304 E DETROIT	PONCA CITY OK 74601	765-3862
NSAYL	OLDFIELD ED	2221 NW 26	OKLA CITY OK 73107	528-1708	NSDS	EDLUND ROBERT	RT 2 BOX 208	CRESENT OK 73028	969-3651
NSATP	PHILLIPS LEON	RT 2 BOX 270	MCCLLOUD OK 74851	-	NSDSH	HARRISON ROD	8809 N MACARTHUR	TEROKLA CITY OK 73132	722-0911
KUSB	BICKHAM JACK	BOX 164	NORMAN OK 73070	329-1311	NSDTL	GODDARD KEN	3809 N GERALDINE	APTOKLA CITY OK 73112	942-4337
NCAB	QUITTER WALT	367 BUCKINGHAM DR	STEPHENS CITY VA 22655	-	NSDTH	GREEN NORMAN	1930 WINDSOR DR	DUNCAN OK 73533	252-4519
KASBY	NOAH LUKE	1125 BRANDYWINE LN	NORMAN OK 73071	364-6606	NSDUC	MARKS LARRY	2008 MILLCREEK RD	EDMOND OK 73034	348-7000
NSBBV	GILMER RALPH	BOX 357	HANGUM OK 73554	782-2617	KASDUD	PEIL LEO	BOX 544	CANTON OK 73724	886-2998
NSBCG	LESTER MARY	3001 QUAIL CREEK RD	OKLA CITY OK 73120	751-1903	NSDWH	BRANDT LINDA	132 WESTCHESTER AVE	NORMAN OK 73069	321-5081
NSBDM	MARCH RAY A.	12100 S.W. 89	MUSTANG OK 73064	376-3165	NSDWT	PERRY JACK	3108 NW GRAND BLVD	OKLA CITY OK 73116	842-5606
NSBEL	CLEMELL CLEMOM	PO BOX 99	WATONGA OK 73772	623-5559	WODXA	TEACHMAN DOUGLAS	RR 4 BOX 697	BLANCHARD OK 73010	392-5458
NSBO	BUSHNELL JIM	1304 W PARK PL	OKLA CITY OK 73106	-	NSDYI	NORTHCUTT MARK	1509 BARCLAY RD	OKLA CITY OK 73120	755-4672
NSBEN	ESADOORAH KEN	PO BOX 613	NORMAN OK 73070	329-4667	NSDZO	HOGARD LEO	1625 MEADOWBROOK	PONCA CITY OK 74601	762-3905
NSBEZ	AKIN DEAN	44 MOJAVE DR	SHAWNEE OK 74801	275-5908	KSDZV	HARRIS TRAVIS	3840 NW 31ST	OKLA CITY OK 73112	942-3797
NSBFF	WEIRICK ROD	2836 SW 87	OKLA CITY OK 73159	-	NSDZH	MOORE MIKE	10524 NW 15 PL	YUKON OK 73099	354-9563
NSBIS	NOAH LUTHER	6947 E. 6	TULSA OK 74112	838-7188	KFSE	CASSADY TOM	1421 CRESTON WAY	EDMOND OK 73034	340-0799
KSBJJ	ENG CLARENCE	7900 NW 14	OKLA CITY OK 73127	787-0060	NSDZA	CONGRAM TONY	902 N 8	BLACKWELL OK 74631	363-2217
KASBJS	MACDONALD JUDY	5120 SE 49	OKLA CITY OK 73135	672-4947	NSDZI	AHERN CAROLYN	1815 LAKEHURST DR	NORMAN OK 73071	364-0129
WDSBKJ	JOHNSON BILL	4205 NW 33	OKLA CITY OK 73112	946-7753	WASEAI	CRON RON	2428 SW 46	OKLA CITY OK 73119	681-0896
WSELN	DIBRELL CHARLES	221 9TH N.W.	ARDMORE OK 73401	226-0589	KCESEB	PEARSON ROBERT	BOX 764	HARRAH OK 73045	390-3123
H7BMD	OLIVER BERNH	BOX 416	GOLD BEACH OR 97444	-	KESEB	WYKE JEFFERY	1709 IOMA	NORMAN OK 73069	329-6762
WASBNZ	MADOLE SR R.L.	RT 3 BOX 2365	CLAREMORE OK 74017	-	WSECEJ	KENDRICK KEN	BOX 20567	OKLA CITY OK 73156	751-4917
WASBOX	SHAH ROBERT	908 ELMWOOD DR.	EDMOND OK 73034	341-4763	WSECH	PAINTON DENNIS	CHESTER STAR RT BOX	FAIRVIEW OK 73737	764-3599
K7BSY	MOORE H.J.	RR 1	WILLOW OK 73673	683-4230	WSEDD	FELTENBERGER OREN	2420 RICHMOND RD	WOODWARD OK 73801	256-7674
WASBTD	HARDIN LARRY	5708 NW 86	OKLA CITY OK 73132	721-5598	WSEDZ	WANDLER R.B.	642 BERYL DR	SAN ANTONIO TX 78213	733-9632
WBSBT	PETERS RAY	15088 N OAK DR.	CHOCTAW OK 73020	390-9513	NSEEB	DORON DR. CAROL	RT 3 BOX 402	TUTTLE OK 73089	381-2274
NSBTU	WILSON ROBIN	RT 7 BOX 81	DENTON TX 76205	-	WDOED	JEDLIKA PHIL	8368 24TH AVE S.W.	NORMAN OK 73069	360-7973
NSBUN	WATKINS JAY	2537 SW 35	OKLA CITY OK 73119	685-7832	WSEEZ	ROGERS ROBERT	RT 2 BOX 366	TUTTLE OK 73089	392-5562
NSBUJ	MCCOY BOB	421 HOLLY HILL RD	EDMOND OK 73034	348-2032	KASEFJ	NEPTUNE KEN	2614 S BERRY	NORMAN OK 73069	321-7789
WASBUP	CARTER CHARLES	603 B ST. S.E.	ARDMORE OK 73401	226-2590	NSEFW	CHANCELLOR ALONZO	10105 N.E. 5	MOORE OK 73160	794-4991
WSONVB	PHILLIPS CLARENCE	419 MOUNTS ST	DENTON TX 76201	-	WSEGB	ENGBRECHT EDGAR	RR 4 BOX 134	OKARCHIE OK 73762	263-4411
NSBN	WORTHAM BURT	1512 VULCAN CIR	EDMOND OK 73034	341-7054	WSEGT	MAUPIN DOUG	618 - 9TH	WOODWARD OK 73801	256-5642
NSBNH	LEE GEORGE	2410 NW 34	OKLA CITY OK 73112	946-2754	KASEHR	HATHCOCK RON	704 CHERRY VALE	EDMOND OK 73034	348-4048
WDSBXI	FRIEDHOFF SAM	BOX 10	KAN OK 74641	-	WSEHR	JESSUP BILL	11824 AZALEA CT	PIEDMONT OK 73078	373-2408
WDSBXH	JOHNSTON C. GORDON	7213 CROWN POINT	ROCKLA CITY OK 73132	787-9070	WSEHR	JESSUP N.P.	11824 AZALEA CT	PIEDMONT OK 73078	373-2408
WBSBZD	LANKFORD CRAIG	4201 N GEORGIA	OKLA CITY OK 73118	521-9795	NSEIH	GALBRAITH MARK	509 E. NORTHROP	MIDWEST CITY OK 73110	-
KJSC	CLARK ALMANDA	5825 NW 47	OKLA CITY OK 73122	-	NSEIH	GALBRAITH MARK	BOX 45651	TINKER AFB OK 73145	677-4945
NCSC	FORD GERRY	402 - 15TH	WOODWARD OK 73801	256-5342	WSEIO	JESSUP KEN	BOX 12140	FT. WORTH TX 76116	-
KSCAT	DEHMALT PAUL	3144 LONGRIDGE	DEL CITY OK 73115	677-1092	WSEIP	BEVILL J.C.	2724 SHIRLEY LN	OKLA CITY OK 73116	842-3897
KSCBA	GEORGE PRESTON	1812 S. RANKIN	EDMOND OK. 73034	341-0751	WSEIU	WATSON LARRY	8309 NW 36 TERR	BETHANY OK 73008	789-2032
WASCBF	SIMMS LOREN	209 MOCKINGBIRD DR	ALTUS OK 73521	477-0921	WSEJ	HEITHECKER L.F.	1409 COOPER DR	IRVING TX 75061	251-1418
KASCOF	WEISS ED	BOX 532	MOUNTAIN VIEW OK 73062	347-2355	KBSEK	ANDERSON WADE	205 BELLATRE DR	MOORE OK 73160	794-5144
NSCCV	BOMMAN GERALD	PO BOX 356	MOORELAND OK 73852	994-5600	KSEXC	ROPER BILL	906 VILLA DR	WATONGA OK 73772	623-5934
WSCCV	MCDONALD JOE	425 W MONROE	HANGUM OK 73554	782-3454	NSEKZ	RIDDLES RUTH	2647 NW 55 PL	OKLA CITY OK 73112	842-0092
NSCCW	BROWNLEE CURTIS	3033 ROLLINGSTONE	ROCKLA CITY OK 73120	751-2458	KSELL	ADLER MERWIN	812 BELLE AIRE AVE	EDMOND OK 73034	341-5605
WSCCX	HAYNOR WILLIAM	2717 N.W. 110	OKLA CITY OK 73120	755-1122	WSELO	SHEPHERD TOM	RT 5 BOX 156-A	GUTHRIE OK 73044	348-0447
WSCDO	KOVAR PAUL	11780 E ROBIN DR	MIDWEST CITY OK 73130	769-2828	KDSEM	FARRELL A.E.	4324 SE 16	DEL CITY OK 73115	677-6587
WSCDO	PAYNE SR JACK	BOX 60205	OKLA CITY OK 73146	528-3560	WSEMB	WHITEN JOHN	3704 SOUTHWIND CT.	OKLA CITY OK 73179	745-4751
WASCDZ	STEPHENS DON	1635 FRANKLIN DR	NORMAN OK 73069	321-0806	NSEMD	BENEDA VIRGINIA	RT 1 BOX 69	HITCHCOCK OK 73744	825-3302
WSCCHG	CURTIS DOYLE	525 SW 102	OKLA CITY OK 73139	691-4210	WSENP	CARTER JOSEPH	7021 NW 48	BETHANY OK 73008	789-5512
WSCCIG	REAL RONALD	BOX 216	WELLSTON OK 74881	356-2393	NSENO	MCDONN DON	305 W PRATT DR	MIDWEST CITY OK 73110	732-6749
NSCIJ	YOHE FRANK	16109 W 136TH TERR	OLATHE KS 66062	-	KDSEO	TOLMAN BILL	1028 SW 67 PL	OKLA CITY OK 73139	634-0413
NSCIL	WILSON C.C.	4116 NW 30	OKLA CITY OK 73112	946-4032	NSEO	STRECKER OTTO	214 N 11	TOKAWA OK 74653	628-2839
KOCIO	ELLIS LARRY	RR 1	COLDWATER KS 67029	582-2889	NSEOX	PATTERSON FREIDA	2624 HANKS TRAIL	WOODWARD OK 73801	256-7645
NSCJA	CROCKER JIM	424 SUNRISE	NORMAN OK 73071	329-0830	NSEOZ	SAPPINGTON STEVEN	BOX 336	HANGUM OK 73554	782-3655
NSCJA	CROCKER JIM	424 SUNRISE	NORMAN OK 73069	321-0830	KDSEP	WOOD WALTER	1416 N. PENN	OKLA CITY OK 73107	528-2705
WASCOJ	PACE ROBERT L.	1726 W ROSE OAK DR.	MUSTANG OK 73064	376-3569	NSEPJ	LADD JOAN	RT 1 BOX 142	VICI OK 73859	995-4737
NSCLH	GRIGGS WILLIAM	504 E ST. LOUIS	METUNKA OK 74883	452-3408	NSEPV	ALLEN ROBERT	7309 S DOUGLAS AVE	OKLA CITY OK 73139	632-1708
WASCHJ	MURPHY WILLIAM	3499 SE 44TH #281	DEL CITY OK 73115	670-5022	WASEDA	MCLAUGHLIN JOHN	1305 N. ANITA	OKLA CITY OK 73127	495-2728
WSCDE	DALBY JOHN	2021 NW 47	OKLA CITY OK 73118	843-1948	WSERY	WATSON ALLEN	316 E HURD ST	EDMOND OK 73034	341-4209
KASCOI	RICHESON PETER	1339 HOMELAND	NORMAN OK 73069	329-3217	KASERZ	BOLAND CONNIE	3008 RANKIN TERR	EDMOND OK 73034	348-0123
WSCPA	WARD CLYDE	BOX 207	WASHINGTON OK 73093	527-6180	KESES	HAMILTON GLENN	415 R ST. S.W.	ARDMORE OK 73401	226-4379
WSCSM	PATTERSON DENNIS	8300 NW 19	OKLA CITY OK 73127	495-0769	KASESA	BOLAND JR BILL	3008 RANKIN TERR	EDMOND OK 73034	348-0123
KSCUJ	LEWIS DON	828 KELLI DR	WATONGA OK 73772	623-4551	WSEST	SCHOOLING FOREST	616 S.W. 51	OKLA CITY OK 73109	634-2961
WBSCTS	HUTCHERSON STEVE	BOX 20829	OKLA CITY OK 73156	755-8699	KASETA	MOORE BOB	1100 S MORGAN	MOORE OK 73160	799-1765
KDCUJ	VEATCH LARRY	505 N IRVING	PONCA CITY OK 74601	762-3678	WSETB	NORTHCUTT WINSTON	BOX 38	CEMENT OK 73017	489-3661
KACVJ	THOMASON RON	14209 MT. VERNON PL	EDMOND OK 73034	478-4615	KASETO	ALBRIGHT HARVEY	8500 NE 28	SPENCER OK 73084	427-3087
KACVYK	THOMASON ROBERT	14209 MT. VERNON PL.	EDMOND OK 73034	478-4615	NSETU	CLARK AARON	5825 NW 47	OKLA CITY OK 73122	-
WBSOMB	DILLARD LARRY	308 WOODHOLLOW TRAIL	EDMOND OK 73034	348-2634	WSETV	MCCORMICK GARY	5012 NW 25	OKLA CITY OK 73127	946-2898
WASCTB	MORGAN CHARLIE	9608 LYRIC LN	MIDWEST CITY OK 73130	-	KASEUB	BRADBURY ROBERT	8212 NW 92	OKLA CITY OK 73132	722-6880
KSCIE	COCHRAN KENNETH	407 WAYNE	NEW IBERIA LA 70560	-	WSEUH	BROWN JOE	1524 N. SARA RD	MUSTANG OK 73064	376-4253
KSCIP	RAUSCHER ALBERT	3308 PLEASANT DR	MIDWEST CITY OK 73110	732-6357	KSEUT	PARSONS NATHAN	1101 N NORMAN	MOORE OK 73160	794-6135
WASCIN	GOODHEAD ROBERT	2821 NW 57	OKLA CITY OK 73112	-	NSEVA	WATSON DANNY	410 E. JONES	HOLLIS OK 73550	688-2523
WASCIN	GOODHEAD ROBERT	11017 ST CHARLES	OKLA CITY OK 73132	-	NSEVX	RITTER ANTOINE	RT 1 BOX 236	MUSTANG OK 73064	376-3035
KKOD	DORON DR. STUART	RT 3 BOX 402	TUTTLE OK 73089	381-2274	WSEWC	KELLEY LOUIS	5013 NW 19 TERR	OKLA CITY OK 73127	942-0935
KASDAU	KIDD JENNA	10824 GREYSTONE	OKLA CITY OK 73120	751-5094	NSENE	MACARTHUR ALLAN	BOX 1231	NOBLE OK 73068	872-8578
NSDBG	GROTHE LARRY	7800 NW 26	BETHANY OK 73008	789-7298					

WSEYD NORTH CHARLES	118 H OSAGE	PONCA CITY OK 74601	765-8136	WSEGR BERRY AL	RT 5 BOX 45-A	CHICKASHA OK 73019	222-1106
WSEYZ SCHULTZ LEROY	5216 SE 53	OKLA CITY OK 73135	677-2216	WSEGR HERNANDEZ ART	925 CLEAR CREEK	YUKON OK 73099	354-9724
WSEYF MAHLER VICTOR	5307 WILLOWCLIFF RD	OKLA CITY OK 73122	789-6268	WSEGS COCKERMAN JOHN	9104 ANGELA DR	HIGHEST CITY OK 73130	737-1489
WSEFAJ ROBINSON HOWARD	110 FREEMAN ST N.E.	ARDMORE OK 73401	223-5726	WSEGSZ STEVEN J.D.	4208 N.W. 15	OKLA CITY OK 73107	942-8668
WSEFAM LINDLE WILLIAM	3105 NW 39 TERR	OKLA CITY OK 73112	943-2792	WSEGT JOHNSTON GENE K.	1632 VINE ST	NORMAN OK 73069	321-6759
WSEFBC SULLIVAN JIM	1 BIRNMAN CIRCLE	SHAWNEE OK 74801	273-3843	WSEGT MUSSEY DENNIS	319 NW 26	OKLA CITY OK 73103	524-4760
WSEFDW CONKLIN STEVEN	1906 N. ROCKWELL	BETHANY OK 73008	495-9879	WSEGP TAYLOR FRED	3300 S HIGHLAND PK	OKLA CITY OK 73129	677-3910
WSEFED ATKINSON SUSIE	3113 WILSHIRE TERR	OKLA CITY OK 73116	842-8014	WSEGU DALRYMPLE DALE	1406 E PARK	ENID OK 73701	233-6953
WSEFEI VINSON MARTIN	517 NW 137TH	EDMOND OK 73034	755-4378	WSEGU SUTTON BILL	BOX 384	ELDERADO OK 73537	633-2762
WSEFEN RICHMOND LANCE	BOX 123	MOORELAND OK 73852	994-2190	WSEGV BEAVERS CLARENCE	4629 SE 50	OKLA CITY OK 73135	677-6831
WSEFEX MADDOX EARNEST	3112 N. MCILLAN	BETHANY OK 73008	789-6511	WSEGV TAYLOR RICK	3036 SE 21	DEL CITY OK 73115	677-5436
WSEFEX SMITH WAYNE	1312 SW 81	OKLA CITY OK 73159	685-7450	WSEGV PHELPS HEREDITH	RT 5 BOX 65	GUTHRIE OK 73044	282-4644
WSEFFE VAN WICKLEN FRED	607 E OKLAHOMA	WEATHERFORD OK 73096	772-3527	WSEGV SARTORIUS KEVIN	7261 SKYLARK LN	OKLA CITY OK 73132	728-0058
WSEFFG YORK CHARLES	3700 NW 64	OKLA CITY OK 73116	842-3918	WSEGV ALLEN GERALD	7508 CECILIA PL.	OKLA CITY OK 73132	721-1957
WSEFL LAYE CHARLIE	RT 1 BOX 245X	LUTHER OK 73054	-	WSEGW NORTHERN BOB	751 W JUNIPER DR.	MUSTANG OK 73064	376-4287
WSEFO IRONS MIKE	428 N.W. 22	OKLA CITY OK 73103	-	WSEGX HOTEL BILL	9009 NW 10 LOT 256	OKLA CITY OK 73127	787-7154
WSEFHR NIZE DEE	622 SW 7	EDMOND OK 73034	341-6163	WSEGSY MANN GEORGE	804 GREENWOOD DR	HIGHEST CITY OK 73110	737-3757
WSEFI CRONENMETI W.T.	2566 CYPRESS	NORMAN OK 73069	329-0095	WSESH SCHALLENBERG VAN	4013 NW 61	OKLA CITY OK 73112	942-4394
WSEFIH MCLEHANY HOWARD	701 S JENKINS	NORMAN OK 73069	321-2109	WSESH SPEER BONNIE	1400 MELROSE	NORMAN OK 73069	321-7302
WSEFIJ LEACH C.N.	912 KENTILWORTH	OKLA CITY OK 73114	848-0789	WSEHCO SCHLOMER HANS	A-8962	GROEBN, AG 463 AUSTRIA	99799
WSEFIJ PHILLIPS MARY	RT 2 BOX 270	MCCLLOUD OK 74851	-	WSEHI DASSETT MATT	919 N HOWE	ALTUS OK 73521	482-2327
WSEFIS BIGLER JOHN	3200 N GLENHAVEN DR	HIGHEST CITY OK 73110	732-6260	WSEHO WOODS MAURICE	6420 HILLCREST	OKLA CITY OK 73116	842-1436
WSEFKF CASTLEBERRY REUBEN	993 NICHOLS AVE	LITTLETON CO 80122	-	WSEHM STEINBERGER CALVIN	BOX 445	FAIRFAX OK 74637	642-3647
WSEFL DELTORTO JIM	239 COOLIDGE	PONCA CITY OK 74601	762-1221	WSEHP HILAVIC JACK	6608 EDENBOROUGH	OKLA CITY OK 73132	722-2665
WSEFO WILSON NORMAN	601 E ARBOR DR	HIGHEST CITY OK 73110	737-0258	WSEHN WRIGHT FRED	8822 SE 25TH	HIGHEST CITY OK 73110	737-8784
WSEFLT GARLAND JOE	BOX 204	CALUMET OK 73014	893-2660	WSEHU MILLER IVAN	4513 NW 31	OKLA CITY OK 73122	942-4160
WSEFM MCCOLLON FRANK	2421 NW 118	OKLA CITY OK 73120	751-3577	WSEHV ROGERS LEE	BOX 348	BUFFALO OK 73834	735-2400
WSEFMH PAINTON MADINE	CHESTER STAR RT BOX	FAIRVIEW OK 73737	764-3599	WSEHB BASS HAROLD	1604 DOVER	PONCA CITY OK 74601	762-8594
WSEFMH GUYER EDITH	628 N DALLAS	MOORE OK 73160	794-7398	WSEHD MCINTOSH KENT	RFD	SHATTUCK OK 73858	938-5165
WSEFO SCOTT LYNN	BOX 705	KINGFISHER OK 73750	375-5981	WSEHI BONMAN MICHAEL	RT 1 BOX 54	VICI OK 73859	995-3175
WSEFS STEVENS JOHN	BOX 119	NORMAN OK 73070	-	WSEHIH CONSTOCK JOHN	BOX 802	STILLWATER OK 74076	372-1901
WSEFMU HOFFERBER CHARLES	8003 NW 32	BETHANY OK 73008	-	WSEHIH MALONE BILL	BOX 456	FLETCHER OK 73541	-
WSEFMX WOODY T VAN	2517 NW 62 APT 40	OKLA CITY OK 73112	842-1663	WSEHIP WOLFENBARGER PHIL	2605 N. TERRY AVE	BETHANY OK 73008	789-0681
WSEFNO HOLLAR DAVID	710 S 10	KINGFISHER OK 73750	375-4411	WSEHIR WARD LEE	2605 N. TERRY	BETHANY OK 73008	789-0681
WSEFOC HOLLAR SUSAN	710 S 10	KINGFISHER OK 73750	375-4411	WSEHIR WOLFENBARGER LANORA	2605 N. TERRY AVE	BETHANY OK 73008	789-0681
WSEFO VANDILDER GENE	5516 HUDDLESTON DR	OKLA CITY OK 73135	672-4091	WSEHIZ HENDERSON BELINDA	2332 NW 112 TERR	OKLA CITY OK 73120	755-0362
WSEFOR MAAS HERB	314 W JEFFERSON	MANGUM OK 73554	782-5359	WSEHIZ WOOD VERA	1812 N BILLEN	OKLA CITY OK 73107	525-5859
WSEFRS FARRAR KIMBERLY	BOX 57	DOVER OK 73734	828-4214	WSEHJ BANKS TOM	2722 TOPLEY AVE	LAS CRUCES N.H. 88005	-
WSEFTH CALLISON LINDA	405 NW 121	OKLA CITY OK 73114	751-3620	WSEHJA BOWMAN MARK	RT 1 BOX 54	VICI OK 73859	995-3175
WSEFUN BAILEY DELORES	BOX 325	FAIRVIEW OK 73737	227-2061	WSEHKB EUBANKS PAT	RT 1 BOX 41	RINDLING OK 73456	662-2687
WSEFUD SIMPSON FRED	827 S 13	FAIRVIEW OK 73737	227-2791	WSEHL FORREST LEE	6208 SE 8	HIGHEST CITY OK 73110	737-2316
WSEFUP SCHONAKER STEVE	BOX 487	CANTON OK 73724	886-3274	WSEHM CHRISTIAN JOE	339 WOODCREST DR	NORMAN OK 73071	360-2128
WSEFUR SIMPSON RUTH	827 S 13	FAIRVIEW OK 73737	227-2791	WSEHNI MCINTY FATHER JOHN	BOX 32180	OKLA CITY OK 73123	721-1078
WSEFUJ JOHNSON TOM	1702 FEDDERSON DR	EL RENO OK 73036	262-5631	WSEHNT SHAFFER EARL	709 N.W. 89	OKLA CITY OK 73114	848-2185
WSEFVI RAMON GLENN	1133 WOODS	NORMAN OK 73069	364-2897	WSEHPU GREENSHIELDS JAMES	319 WOODCREST DR	NORMAN OK 73071	321-9981
WSEFW HAWKINS DICK	1408 BELL AVE	LAWTON OK 73501	-	WSEHQA MAUPIN CHARLES	2124 SW 68	OKLA CITY OK 73159	685-6768
WSEFWD NOLAND BILL	412 S 10TH	YUKON OK 73099	354-5018	WSEHQB WHITE HARVIN	2108 S POST RD	HIGHEST CITY OK 73130	732-8133
WSEFWE FANT DAVE	708 PEREGRINE DR	NORMAN OK 73069	360-5652	WSEHRA LUSK MYRON	1716 - 7TH	WOODWARD OK 73801	256-3632
WSEFX LAND DAVID	2512 BONNIE	PONCA CITY OK 74601	762-8616	WSEHRC NELSON CLYDE	1104 SW 65	OKLA CITY OK 73139	634-6879
WSEFX LADD CALVIN	109 E MYRTLE DR	HIGHEST CITY OK 73110	732-2473	WSEHRH FEDDERSEN JOHN	11013 NW 114TH	YUKON OK 73099	373-1537
WSEFID FAGAN JOHN	2329 BLUE CREEK	NORMAN OK 73071	364-1982	WSEHRW LOFSTROM OSCAR	5109 NW 19 TERR	OKLA CITY OK 73127	947-3685
WSEFID MERLYN JOHN	517 13TH AVE N.W.	ARDMORE OK 73401	223-9543	WSEHST BRAGG RON	11104 NW 115	YUKON OK 73099	373-2824
WSEFJK STEWART JACK	1020 SW 26	OKLA CITY OK 73109	634-7583	WSEHT MOORE BILL	2037 NW 44	OKLA CITY OK 73118	842-4037
WSEG MYRTICK BILL	1120 N TEXAS	ADA OK 74820	332-4708	WSEHTL ASPLIN PAUL	6902 NW 57	BETHANY OK 73008	787-4286
WSEG WISE LOUIS	1912 MUSTANG RD N.E.	PIEDMONT OK 73078	373-3748	WSEHMC TRICK FRANKLIN	2801 ELMHURST	OKLA CITY OK 73120	848-0313
WSEGAJ JOHNSON CARL	6405 N. COLLEGE	OKLA CITY OK 73132	721-5913	WSEHVK TURLEY DON	921 O ST. S.W.	ARDMORE OK 73401	223-0100
WSEGAN TUTOR RON	RT 14 BOX 73	MOORE OK 73165	794-8254	WSEHW FAUSS EDWARD	BOX 206	EUFALA OK 74432	-
WSEGAU STOKES JACK	6215 S.E. 89	OKLA CITY OK 73135	733-3741	WSEHXL ASHBY ROBERT	2837 NW 19	OKLA. CITY OK 73107	942-5375
WSEGBF PLUNK HAROLD	2801 CAMELOT DR	OKLA CITY OK 73120	751-5768	WSEHXR HUBBARD BILL	3300 NE 36	OKLA CITY OK 73121	427-2537
WSEGBN FISH JOHN	BOX 176	CALUMET OK 73014	893-2227	WSEHXR HUBBARD W.E.	1111 N. LEE	OKLA CITY OK 73103	236-3917
WSEGCH BALL MICHAEL	1848 SUNRISE DR	MOORE OK 73160	794-5286	WSEHZ STEPHENS SAM	BOX 550	EL RENO OK 73036	262-4872
WSEGCC STAUDT OSCAR	1414 OAK ST	GUTHRIE OK 73044	282-6508	WSEHIO WORTHAN JOHN	10300 KENDAL AVE	YUKON OK 73099	324-6097
WSEGDE TECH FRED	ROUTE 1	CALUMET OK 73014	893-2527	WSEHIS YOHE KAY	16109 W 136TH TERR	OLATHE KS 66062	-
WSEGDK DEATHERAGE RICHARD	6405 BERNADINE LN	OKLA CITY OK 73159	685-3039	WSEHJ HARGROVE LOYD	6112 SE 10	HIGHEST CITY OK 73110	732-3841
WSEGDL HAZELWOOD CHESTER	RT 4 BOX 608	OKLA CITY OK 73121	427-1439	WSEHBI MC KISSACK H.R.	4334 NW 53	OKLA CITY OK 73112	947-6351
WSEGEZ STRATTON GUY	6404 STERLING DR N	OKLA CITY OK 73132	721-3521	WSEHIDE SCHONHALS HARRY	BOX 435	BETHANY OK 73008	789-6433
WSEGFG HASTENA GEORGE	804 COGSWELL CIR	EDMOND OK 73034	341-5273	WSEHIEK BRUNER DON	6604 NW 30 TERR	BETHANY OK 73008	789-1910
WSEGGL MASCHINO GEORGE	RT 2 BOX 24	OKARCHE OK 73762	263-7614	WSEHIFR IVERS JOHN	1517 RAMADA DR	HOUSTON TX 77062	-
WSEGGT WHITNIRE FREDRICK	5605 N.W. 59	OKLA CITY OK 73122	722-0123	WSEHIGB TUCKER RONALD	4100 NW 59	OKLA CITY OK 73112	948-8559
WSEGHK HYATT JOE	914 S MAIN	KINGFISHER OK 73750	375-3783	WSEHIGC HINKS RODNEY	1505 S.E. 12	MOORE OK 73160	794-5313
WSEGHL HOLZMAN HARRY	23 S.E. 39	OKLA CITY OK 73129	634-9889	WSEHIDH DUNN BOB	7729 NW 26	BETHANY OK 73008	789-3866
WSEGI NEWBERRY KEN	2824 SW 55	OKLA CITY OK 73119	682-6750	WSEHII ISRAEL HENRY	10301 BASSWOOD CANYON	OKLA CITY OK 73132	722-3848
WSEGIH BOOTON LUTHER	529 SW 62 TERR	OKLA CITY OK 73139	-	WSEIJA SOUTH GENE	3 TOWN & COUNTRY CR	ARDMORE OK 73401	223-8252
WSEGK MACDONALD D.C.	5120 SE 49	OKLA CITY OK 73135	672-4947	WSEILH VAN BUREN RON	115 WESTBURY	PONCA CITY OK 74601	762-2310
WSEGL LIEBMAN GUY	3128 LAKEVIEW MANOR	BETHANY OK 73008	787-9547	WSEIMF LISMAN STAN	1213 MARY LEE LANE	EDMOND OK. 73034	341-8166
WSEGLC MOORE EDD	BOX 1235	PURCELL OK. 73080	527-3714	WSEIMK HARRIS HAYDON	3129 ETON AVE	OKLA CITY OK 73122	942-1455
WSEGLD IRWIN JERRY	12640 PEPPER TREE	OKLA CITY OK 73142	722-6016	WSEIOP RAJALA DARRELL	13909 JEFFERY DR	EDMOND OK 73034	-
WSEGLD RULH RICHARD	RR 2 BOX 71	KINGFISHER OK 73750	375-4843	WSEIPN STARK BOB	RT 8 BOX 6	PONCA CITY OK 74601	-
WSEGLF HARRIS JOHN	1900 SMOKEY HOLLOW	REDMOND OK 73034	348-3148	WSEIQ BRYAN RAY	BOX 249	KINGSTON OK 73439	564-2177
WSEIGH ELIAS RAFAEL	5217 NW 115	OKLA CITY OK 73132	728-1414	WSEIGH BLAKLEY C.B.	RT 1 BOX 109	BYARS OK 74831	783-4217
WSEIGM GANT JACK	521 MONROE ST N.W.	ARDMORE OK 73401	223-2619	WSEIOR LOESCHMAN A.J.	2422 HILLTOP	VERNON TX 76384	553-4250
WSEIGNE COLLIER GEORGE	1024 UNIVERSITY	DURANT OK 74701	924-7625	WSEIS ZACHRY H.B.	3505 ROLLING LANE	HIGHEST CITY OK 73110	732-7255
WSEIGN WRIGHT JR. WILLIAM	2105 RAMBLING ROAD	EDMOND OK 73034	341-6076	WSEIS MATHORE JERRY	813 NW 21	OKLA CITY OK 73106	524-5080
WSEIGN KNAPPLE G.K.	308 W JARMAN	HIGHEST CITY OK 73110	737-2962	WSEISN ORCUTT DENNIS	3201 S RANKIN	EDMOND OK 73034	340-0034
WSEIGH LANGHAM PERRY	2246 N.E. 14	OKLA CITY OK 73117	427-1307	WSEISO COCHRAN WENDELL	4308 NW 26TH	OKLA CITY OK 73107	943-4308
WSEIGH LANGHAM PERRY	BOX 269	OKLA CITY OK 73101	427-1307	WSEISS SAUNDERS DONALD	3008 CENTER ST	OKLA CITY OK 73120	751-0404
WSEIGOI BOORD AL	316 REYNOLDS RD	EDMOND OK 73034	341-6698	WSEIST SINGLETON CHARLES	2309 TROSPER PL	DEL CITY OK 73115	677-2197
WSEIGON SELTER GLENN	4620 NW 59	OKLA CITY OK 73122	721-3503	WSEIT LEMAND NARC	7300 NW 19	BETHANY OK 73008	787-6126
WSEIGO EDMONDS LESLIE	RT 2 BOX 49V	DENISON TX 75020	465-8083	WSEIT EGLE DAVIS	2735 POPLAR LN	NORMAN OK 73069	321-7570
WSEIGR ARNOTE ED	-	ISABELLA OK 73747	227-2731	WSEIMZ SHEARER LYNN	10508 GREYSTONE AVE	OKLA CITY OK 73120	751-4500
WSEIGP BROPHY GERALD	4013 VICKIE DR	DEL CITY OK 73115	672-9185	WSEJ PHILLIPS FRANK	3902 DENVER AVE	LAWTON OK 73505	248-6748
WSEIGV HOLDER DAVID	901 NW 45	OKLA CITY OK 73118	524-4711	WSEJ COLEMAN HUGH	1701 S AIR DEPOT	HIGHEST CITY OK 73110	737-3317
WSEIGRA GAMBLE BOB	5421 HUDDLESTON DR	OKLA CITY OK 73135	672-9294	WSEJ GIBSON DAVID	413 QUAIL RIDGE RD	NORMAN OK 73069	329-0863

NISJ	YOUNG FRANK	BOX 176	OKLA CITY OK 73101	239-2040	WELTJ	JONES BILL	12629 TEAKWOOD	EDMOND OK 73034	771-3198
UDS.JAY	MORRISON FRANKLIN	1201 NW 107	OKLA CITY OK 73114	751-7739	WASLTJ	STULTS LEONA	BOX 59	CALUMET OK 73014	893-2561
KSJB	BUSMELL JOE	3312 IDYLWILD	HIDEST CITY OK 73110	732-0676	WASLTJ	TECH VIRGINIA	ROUTE 1	CALUMET OK 73014	893-2527
KSJB	HESS LEROY	3212 NW 66	OKLA CITY OK 73116	843-1339	WOLTL	ZONNEFELD MIKE	3128 DENTWOOD	DEL CITY OK 73115	677-7247
MBSJBK	SHIDELL GARY	328 E. MOHR LN.	MUSTANG OK 73064	376-2832	WASLTH	MAULDIN TIM	3033 SW 60	OKLA CITY OK 73159	-
WSJCB	BLACK ELMO	413 NE 38 TERRACE	OKLA. CITY OK 73105	528-6467	WASLUI	WHITE DAVID	928 RIVIERA	PONCA CITY OK 74601	765-5707
WSJCB	BLACK ELMO	1200 OAKSPRINGS LN	EDMOND OK 73034	341-5126	KASLHY	GUYER HAROLD	628 N DALLAS	MOORE OK 73160	794-7398
KASJCX	MOONEY JOHN	113 S ENGLISH	MOORE OK 73160	794-8519	KASLZN	SMITH GREGORY	8282 E 33RD PL	TULSA OK 74145	627-2260
WSJCX	CHILCOAT JIM	3137 CARDINAL DR	ARDMORE OK 73401	226-6816	KESH	RECER RON	2408 W BIG CEDAR	AVEEDMOND OK 73034	341-7030
KESJF	LANSFORD RICHARD	10917 N 173 E.	OMASSO OK 74055	-	NOSH	ROOKER DONALD	7014 NW 61	BETHANY OK 73008	721-2119
KASJFT	KETCHERSID MICHAEL	3724 N BRYAN	BETHANY OK 73008	521-9129	NTSH	MOORE ROBERT	6901 N. BARR	OKLA CITY OK 73132	721-6142
WSJFT	COOK ODE	508 W CHOCTAW	BROKEN BOW OK 74728	-	WNSCJ	BROUDY JEROME	1920 WESTBROOKE TERR	NORMAN OK 73069	329-0262
KESJG	HOLLEY WAKEFIELD	2524 NW 34	OKLA CITY OK 73112	943-5600	WNSCH	BLACK LELAND	726 WOODS	NORMAN OK 73069	329-3222
WSJGC	BUCHANAN JAMES	3114 WHEELER AVE	BETHANY OK 73008	495-2777	KASNDI	KAISER DAVL	7504 NW 27	BETHANY OK 73008	495-3690
KASJGF	SANDERS BILL	302 EASTWOOD CR	ARDMORE OK 73401	223-1791	WASHON	THOMAS JIM	# 3 CITY VIEW	PONCA CITY OK 74604	765-7768
WASJGU	GREENE CHARLES	3028 NW 33	OKLA CITY OK 73112	943-5631	WAZNGC	GUY CHARLES	BOX 1042	BETHANY OK 73008	721-2725
WASJHB	STOKES MARVIN	RT 2 BOX 6	CALUMET OK 73014	893-2221	WMSGP	STROUHAL DICK	3308 RIDGEMOOD DR	HIDEST CITY OK 73110	732-6029
KCSJJ	HALL PHIL	RT 2 BOX 1441	HARRAH OK 73045	454-2065	WMSGZ	JONES PERRY	711 N 5TH ST	WEATHERFORD OK 73096	772-6063
WSJJ	DRUMHELLER CARL	5924 NW 58TH	OKLA CITY OK 73122	789-3788	WBSHIF	HARTER DAVE	1628 W MAIN	OKLA CITY OK 73106	751-4450
KSJJC	DUNNHOOD AUSTIN	516 S CEDAR	SHATTUCK OK 73858	938-2685	WBSHIF	HARTER DAVID	1628 W MAIN ST	OKLA CITY OK 73108	-
KB.K	KULCSAR JULIUS	5883 JAYCOX RD	NORTH RIDGEVILLE OH 44039	-	KASHIZ	RABIN ROBERT	904 W COMANCHE	NORMAN OK 73069	360-6996
KDSJK	KEUN LARRY	7700 NW 27	BETHANY OK 73008	789-6097	WBSMJS	SMITH CHARLES	313 MERCURY	ALTUS OK 73521	477-1098
WSJOK	CLARK GEORGE	2633 NW 26	OKLA CITY OK 73107	942-2859	KASNJT	SMITH MIKE	1724 MONROE AVE	PIEDMONT OK 73078	373-1120
KASJKR	ARNOLD LARRY	4107 N SHADYBROOK	DANIDEST CITY OK 73110	732-2830	WBSMLX	COCHRAN GLEN	BOX 75247	OKLA CITY OK 73147	942-7148
KSJL	LIEBHMAN J.G.	2224 MORGAN RD	PIEDMONT OK 73078	373-3758	WMLZ	MEYERS R.E.	717 ANDERSON WAY	SAN GABRIEL CA 91776	-
KASJLA	ENGBRECHT BETTY	RR 4 BOX 134	OKARCHIE OK 73762	263-4411	WMSWG	NEWCOMB TED	11216 N BRAUER	OKLA CITY OK 73114	751-2801
WSJME	ARD R.E.	203 E DOUGLAS DR	HIDEST CITY OK 73110	732-2498	WMPA	FLETCHER JAMES	RT 1 BOX 319	NEWCASTLE OK 73065	387-4356
WMSJNT	VAN LANINGHAM TED	2454 TOWNSEND DR	EL RENO OK 73036	262-1675	KASMPI	WEISS PRESTON	BOX 532	MOUNTAIN VIEW OK 73062	347-2355
WMSJOE	WOODS WILLIAM	300 W MAIN	NORMAN OK 73069	329-7465	KASMPJ	WEISS JUDY	BOX 532	MOUNTAIN VIEW OK 73062	347-2355
WDSJPH	SEIGNIOUS GLORIA	12708 GAELIC GLEN	OKLA CITY OK 73142	722-1740	WBSHRE	STINER TRUMAN	RT 1 BOX 129	BLACKMELL OK 74631	363-3309
WSJOA	GIBSON D.C.	216 BURK WAY	OKLA CITY OK 73115	677-4243	WMSRG	ROSE DANIEL	4015 ANCHOR DR	OKLA CITY OK 73107	946-9307
KSJOH	KENNEDY STEWARD C.	1109 S 15 ST	CHICKASHA OK. 73018	224-4362	NMSH	SALEN MICHAEL	1324 LINCOLN	NORMAN OK 73069	366-1234
WSJRF	HAYTON JR THOMAS	RT 1 BOX 145	OKLA CITY OK 73111	478-2577	KESMT	HARRINER JOHN	BOX 917	HOLDENVILLE OK 74848	379-3149
WJTG	RIDGWAY VIRGIL	6449 N PENIEL	OKLA CITY OK 73132	721-8411	KESMU	BILLS J.B.	BOX 655	HOLDENVILLE OK 74848	379-3992
WASJUB	MONEELY T.J.	5805 NW 31	OKLA CITY OK 73122	946-4524	KASNUG	REUSCHER TIM	BOX 94512	OKLA CITY OK 73143	848-9910
KASJAJ	BRODY MARTIN	RT 1 BOX 509	STROUD OK 74079	528-3170	KASNAL	CARRELL LOYD	316 MOISELLE DR	HIDEST CITY OK 73110	732-6449
KSJVD	WILLIAMS WILLIAM	3652 SUNVALLEY DR	HIDEST CITY OK 73110	737-4343	KSMUT	CATLIN W.B.	BOX 412	BUFFALO OK 73834	735-2060
WASJXX	RYAN ROGER	BOX 458	NORMAN OK 73070	364-6848	KAMVM	MORRIS GLENN	BOX 2156	CANYON COUNTRY CA 91351	-
WSJYT	HUMPHREYS BILL	921 NW 87	OKLA CITY OK 73114	842-0622	KAIMH	KIRBY NATHAN	2435 W PLACITA CARLOTUS	SCON AZ 85745	-
KDSJZ	BRYANT PAUL	820 S.E. 10	MOORE OK 73160	793-9496	KASMDH	HOLLAND WILLIAM	BOX 243	SPENCER OK 73084	235-2757
WSJZO	SEALS JR FRED	1005 WALNUT RD	NORMAN OK 73069	321-1522	KASNXT	KIRKPATRICK HILLS	1232 SW 31	OKLA CITY OK 73109	-
WBSKAK	BROWN DOUG	5813 NW 31	OKLA CITY OK 73122	947-2836	KCSNY	BECKLOFF KENNETH	RT 1 BOX 90A	OAKWOOD OK 73658	891-3499
WBSKBI	CROSBY WILLIAM	2736 S.W. 45	OKLA CITY OK 73119	682-3045	KASHVY	SARTORIUS CHRIS	7261 SKYLARK LN	OKLA CITY OK 73132	728-0058
WBSKCD	PARKS LEON	RT 1 BOX 36	REYDON OK 73660	-	WBSMZZ	DUNNHOOD ROSS	516 S CEDAR	SHATTUCK OK 73858	938-2685
KSKCJ	MARTIN FRANK	800 ASA LEE	ALTUS OK 73521	482-1439	AESH	DUCK DONALD	2508 S.W. 101	OKLA CITY OK 73120	691-4199
WBSKDC	FREELAND ROYDEN	2920 MORGAN RD N.E.	PIEDMONT OK 73078	373-2660	KESN	MUSTENBERG JOHN	BOX 157	WANNETTE OK 74878	383-2232
KSKDR	OLIVER BILL	414 WESTCHESTER CIR	NORMAN OK 73069	329-6333	NBSN	COX DAVE	1812 S UMBRELLA CT	BROKEN ARROW OK 74012	-
WSKE	FOSTER ELLARD	5905 NW 42	OKLA CITY OK 73122	789-6702	KASHAV	MOORE LINDA	1100 S. MORGAN	MOORE OK 73160	799-1765
WBSKFT	STORM CLARA	6718 NW 30 TERR	BETHANY OK 73008	495-6228	WNSBH	IRWIN HERMAN	4345 SE 12	DEL CITY OK 73115	677-1309
WASKOV	PECK ED	2616 CLERMONT PL	OKLA CITY OK 73116	842-6863	WNSC	SEARS H.A.	BOX 38245	HOUSTON TX 77088	-
WSKHJ	KARHU EDWIN	2725 NW 65	OKLA CITY OK 73116	842-5807	KASKCD	MONNET JULIEN	1606 ELMHURST	OKLA CITY OK 73120	-
WSKIO	LYON LEN	3580 KINGS WAY	SACRAMENTO CA 95821	-	WBSKDO	WHITED KATHY	1700 S.E. 8	MOORE OK 73160	799-1457
WSKL	SMITH LELAND	RFD 3 BOX 115	JASPER ARK 72641	-	KASKED	PRICE LOUIS	2605 SW 54 PL.	OKLA CITY OK 73119	682-2000
WKSOL	GERBER SID	829 EAST BOUSE	HIDEST CITY OK 73110	737-1050	KASHJW	HARGROVE ROBERT	241 E. KERR	HIDEST CITY OK 73110	732-5227
WBSKPM	WHITMAN PHIL	1436 CONCORD LN	ALTUS OK 73521	482-3781	KSNK	WILHITE CHUCK	7144 COMANCHE AVE	OKLA CITY OK 73132	721-4926
WBSKRH	DENNIS DWIGHT	1701 OXFORD DR	ALTUS OK 73521	482-2498	WSNL	BOARDMAN FRED	2900 BIRD DR	OKLA CITY OK 73121	427-2505
KBSKT	BAUGH DAVID	3913 N SHANNON AVE	BETHANY OK 73008	787-4183	KASNNT	SARTORIUS TIM	7261 SKYLARK LN	OKLA CITY OK 73132	728-0058
KASKTD	BUNN JOE	409 NE 60	OKLA CITY OK 73105	848-8031	WSONF	WESENICK WILEHELM	3204 NW 16	OKLA CITY OK 73107	942-3101
KDSKU	THRELFALL AL	8316 NW 117	OKLA CITY OK 73132	721-5037	WBSNOT	BURNHAM PAT	RR 3 OSAGE OAKS #63	PONCA CITY OK 74601	765-7229
WOKUJ	HERRON CLARENCE	3417A BELT AVE	ST LOUIS MO 63120	-	KASHRY	SPENCE MYRA	9 EASY STREET	EDMOND OK 73034	348-2981
KDSKV	VOTAH BOB	BOX 21	BETHANY OK 73008	495-0030	WBSNSV	GRAHAM ROBERT	3317 SE 24	DEL CITY OK 73115	677-8485
KASKVU	RATILAFF DENNIS	513 HORIZON DR	ALTUS OK 73521	-	WASHSH	FREEMAN RANDY	3400 VEHICE BLVD	OKLA CITY OK 73112	947-6591
WSKWK	KING CHARLES	6009 NW 56	OKLA CITY OK 73122	789-4836	KESNT	STAFFORD BRUCE	7113 NW 16	BETHANY OK 73008	789-2650
KASKWM	MORRIS MERSHELL	1109 MCNAMEE	NORMAN OK 73069	329-0366	WSONTL	LAGALY GEORGE	7920 NW 18	OKLA CITY OK 73127	789-4073
KSKZV	GARDNER TOM	RT 5 BOX 155	GUTHRIE OK 73044	-	KASNUP	KRAMER KLAUS	2212 S.W. 29	OKLA CITY OK 73119	631-7223
NFSL	MCCORD PAUL	1316 MALLARD DR	DEL CITY OK 73115	677-6987	WSONUT	WOOD GILLA	RT 1 BOX 152	SHAWNEE OK 74801	273-1394
NBSL	RICHMOND GORDON	RT 1 BOX 12	MOORELAND OK 73852	994-5394	KBSNV	DANNING DAVID	2437 SANDRA DR	HIDEST CITY OK 73110	736-6377
KASLBF	CAMPBELL WAYNE	7237 SEMINOLE TERR	OKLA CITY OK 73132	721-4294	WNSMXX	WHITED REGGY	1700 SE 8	MOORE OK 73160	799-1457
KASLBN	MERRILL KYLE	204 RANDOLPH	CLINTON OK 73601	323-6629	KDSNX	TINGLER JAY	4203 BLAINE RD	SHAWNEE OK 74801	273-3033
KESLD	KIDD EDWARD	10824 GREYSTONE	OKLA CITY OK 73120	751-5094	WBSNYX	GRIFFIN LARRY	306 E KEY BLVD	HIDEST CITY OK 73110	733-8110
KSLDE	CHAPMAN FRED	1202 WESTLAWN	NORMAN OK 73069	364-5595	WNSZS	HAZELWOOD LARRY	BOX 54437	OKLA CITY OK 73154	848-6400
KSLDI	HANHAM TOM	3913 S MABLE	OKLA CITY OK 73129	677-5291	AAOO	RUNYON ROBERT	6013 TIPI RD RFD 2	YUKON OK 73099	373-1818
KSLDL	FRANKLIN GLEN	512 S MACOMB	EL RENO OK 73036	262-3573	KASOBK	O'BRIEN ED	11612 N. VICTORIA DR	OKLA CITY OK 73120	751-4070
KASLER	WIMER JIM	2400 W BRITTON RD	OKLA CITY OK 73120	843-7341	WZOOH	RIZZO FRANK	4630 E FRANKLIN RD	NORMAN OK 73071	-
WBSLER	SNEED JOHN	4017 LEONHARDT DR	DEL CITY OK 73115	677-3404	KASODI	HALLEY ROSEMARY	RT 2 BOX 238	TUTTLE OK 73089	392-5486
WSLFK	KELLY JOE	300 W MAIN ST	MOORE OK 73160	794-8072	WADOU	COOK CLAUDE	742 BROOKWOOD DR	OKLA CITY OK 73139	-
WASLFN	KEARNS JIM	11009 WEST COUNTRY	OKLA CITY OK 73170	691-8555	WASDOA	COCHRAN JACK	204 W MARSHALL DR	HIDEST CITY OK 73110	732-8029
WSLFV	DONNELL MURIL	4812 ELMVIEW DR	DEL CITY OK 73115	677-0893	WSEOC	DUCCLOS ED	8209 GOLDEN OAK RD	OKLA CITY OK 73127	495-2797
WALLOG	DAYS PAUL	1525 GLENWOOD	MOORE OK 73160	799-8180	WSEFG	MCCRIMLEY JOHN	1502 S 9TH	CHICKASHA OK 73018	224-2525
WBSLHO	HAGERS DOUGLAS	3109 NW 62	OKLA CITY OK 73112	842-6571	KASOFY	LUTTRELL GEORGE	5901 S. STEVE AVE	OKLA CITY OK 73129	672-5564
WBSLHR	WILLIAMS BOB	1505 SUNWAY	OKLA CITY OK 73127	-	KDSOG	WATKINS RALPH	1414 W SHUTTEE	EL RENO OK 73036	262-0436
WSLHU	CORNELSEN ABE	624 N TAFT	ENID OK 73701	234-4104	WASOGC	HEEKS OLIVER	BOX 236	SNYDER OK 73566	569-2709
KSLIL	MURTA EDWARD	4408 NW 47	OKLA CITY OK 73112	946-9200	WSONH	BARTLEY LEO	9050 WALNUT ST	BELLFLOWER CA 90706	-
KASLIL	HILLSTROMB TIMOTHY	901 NW 14	MOORE OK 73160	794-2064	WOOHD	RAY R. L.	13 E JANICE # 102	YUKON OK 73099	354-6241
WLSJI	COLLIER CLIFFORD	1414 NORTHCREST DR	ADA OK 74820	332-4020	WBSOHK	BRUNING AL	RT 8 BOX 62	CHOCTAW OK 73020	390-2983
WLLPJ	CROOK ABE	1928 E 14 PL	ADA OK 74820	332-4730	KASOHU	CORNELSON TIM	BOX 2729	NORMAN OK 73070	360-0944
KSLIX	SELBY RAY	PO BOX 465	KINGFISHER OK 73750	375-4354	KSOJ	SHULTISE GUIDO	1519 24TH	WOODWARD OK 73801	254-3289
KASLNO	DONALDSON FRANK	1125 WESTBROOK TERR	NORMAN OK 73069	329-4172	KSOJ	SHULTON CECIL	1212 SW 92	OKLA CITY OK 73139	691-3632
KOLOT	MEYER LEO	2617 LOST TRAIL RD	EDMOND OK 73034	341-3390	WADOLE	BENSE STEVE	4900 CHERRY HILL LN.	OKLA CITY OK 73135	677-7640
WBSLPT	SMITH JACK	3028 CHETWOOD DR	DEL CITY OK 73115	-	WSOLX	SCHILLER LEE	908 N MARSHALL	HIDEST CITY OK 73110	-
WSLPV	HANSON HAROLD	937 NW 104	OKLA CITY OK 73114	751-6097	KSOHM	REUSSER LARRY	1832 W CEDAR RIDGE	MUSTANG OK 73064	376-3085
KSLRC	CLOWDS DON	1201 ROCKFORD RD	ARDMORE OK 73401	226-1839	KASOMX	RYAN E.L.	1408 JOHN RD	ARDMORE OK 73401	226-0773
KBSLS	NOLLEDAHL JAMES	320 SATURN	ALTUS OK 73521	482-7938	KASOOX	WILLIAMS GLEN	7701 NW 25TH	BETHANY OK 73008	787-5315

KASOBY WILLIAMS FRANK	7701 NW 25TH	BETHANY OK 73008	787-5315	KASRYN SOMMERH RONALD	4411 N WUELLER AVE	BETHANY OK 73008	-
KASOFF ZUCK MELVIN	STAR RT C BOX 294	KINGSTON OK 73439	564-3842	KASRYN WICKIN WILLIAM	604 N JUNIPER AVE	HIDWEST CITY OK 73130	-
KASOOR ANDERSON THEODORE	2929 SW 50	OKLA CITY OK 73119	685-4016	KESRY EDWARDS WILLIAM	3501 N KETIVIN	SPENCER OK 73084	771-5939
KASOR BUSICK RAMON	BOX 2297	NORMAN OK 73070	364-1725	KESRYX BATEMAN MONTE	203 E DMS	NORMAN OK 73071	329-7485
KBOOU CALLISON JOHN	405 NW 121	OKLA CITY OK 73114	751-3620	KESRYX BATEMAN MONTE	203 E DMS II	NORMAN OK 73069	329-7485
KCSOU WATTS HARRY	RT 1 BOX 7	VICI OK 73859	995-4761	ADIS ADKINS GEORGE	8517 NW 92	OKLA CITY OK 73132	722-6195
KSOU JONES GORDON	BOX 73	NORMAN OK 73070	329-6075	KSS ST. LAURENT RON	10208 DOVER DR	YUKON OK 73099	324-8180
KSOOU ELERS O.C.	RFD 2 BOX 20	LOGAN OK 73849	837-5492	KSSAG SKILLERN GRADY	RR 3 BOX 663	PONCA CITY OK 74601	765-3411
KSOVT FORD ROD	PO BOX 253	GAGE OK 73843	923-3081	KASSO ROCKWOLD JAMES	BOX 1365	WOODWARD OK 73802	254-3801
KSOXJ COX EVERETT	9624 CASTLE RD	OKLA CITY OK 73132	721-4617	KASSFT KERCHERSID MICHAEL	818 W EUBANKS	OKLA CITY OK 73118	521-9129
KSOIX HILLS ROY	PO BOX 10506	HIDWEST CITY OK 73140	-	KASSIK KERR JAMES	4109 NW 31ST	OKLA CITY OK 73112	947-7098
KSOY PETERSON WILLIAM	9402 ARCH HILL CL.	AUSTIN TX 78750	-	KASSIP ZUCK RUBY	STAR RT C BOX 294	KINGSTON OK 73439	564-3842
KSOYN HURAR ED	3100 NW GRAND BLVD	OKLA CITY OK 73116	842-5444	KSSJC ANOS LYEAL	3213 N. SHANNON	BETHANY OK 73008	787-5298
KSOZE STINSON TONY	2721 LYONS BLVD	OKLA CITY OK 73107	947-5130	KASSJK SCOTT STEVE	1705 HATHAWAY	PONCA CITY OK 74601	762-0117
KISP BAILEY MAJOR	BOX 325	FAIRVIEW OK 73737	227-2061	KSSJX STINE JAMES	1612 FRONTIER	STILLWATER OK 74074	372-2380
KSPAA ACARC *	POSTAL STATION 18	OKLA CITY OK 73169	-	KSSJZ YORK JAMES	2600 SW 91	OKLA CITY OK 73159	691-7496
KSPAN SHIMA LARRY	BOX 3474	ENID OK 73701	234-0789	KSSKA DENARD BILL	2317 NW 121	OKLA CITY OK 73120	751-5137
KSPBE BRYAN MARY	BOX 249	KINGSTON OK 73439	564-2177	KSSKB FISHER DONALD	BOX 137	SUMMERSVILLE MO 65571	-
KSPDH ARNOLD FRANK	608 HOLWAY DR	HIDWEST CITY OK 73110	737-2582	KASSLU ST. LAURENT SUSAN	10208 DOVER DR	YUKON OK 73099	324-8180
KSPDH MCLEROY MICHAEL	5509 NW 66	OKLA CITY OK 73132	722-2466	KASSLY MARTIN REETA	RT 1 BOX 156A	LONGDALE OK 73755	227-3013
KSPKX JONES JAMES	1021 SW 61	OKLA CITY OK 73139	-	KASSMH SIMPSON BILL	RT 1 BOX 146	RINGWOOD OK 73768	883-5523
KSPFK WILDER RALPH	811 N BURFORD	HATONGA OK 73772	623-5421	KASSNI SIMPSON HELEN	RT 1 BOX 146	RINGWOOD OK 73768	883-5523
KSPGD TICE RON	RT 1 BOX 63	MOORELAND OK 73852	994-2138	KSSNL MILLER FRANK	1710 W BROADWAY	ANDREWS OK 73401	223-3626
KSPHD CORNELIUS JON	2206 NW 23RD	LANTON OK 73505	353-8329	KSSNM MILLER ERNIE	1710 W BROADWAY	ANDREWS OK 73401	223-3626
KSPHU DAWSON JAMES	1005 PINE OAK DRIVE	EDMOND OK 73034	341-6287	KSSSO HILLSTRONG ORLIE	901 NW 14TH	MOORE OK 73160	794-2064
KSPIA APPEL IRVING	1145 NW 26	OKLA CITY OK 73106	524-0132	KSSOC HALLEY O.E.	RT 3 BOX 238	TUTTLE OK 73089	392-5486
KSPJO SPURGEON TED	1417 14TH AVE S.W.	ANDREWS OK 73401	223-4366	KSSOJ SPEER JESS	1400 MELROSE	NORMAN OK 73069	321-7302
KSPJR GRUMMER KEN	11105 COACHMAN RD	YUKON OK 73099	373-2894	KSSRX MATKINS O.J.	816 N JUNIPER AVE	HIDWEST CITY OK 73130	732-1868
KSPLE MEDDERS DAVID	BOX 5867	NORMAN OK 73070	360-4292	KSSSD MADOLE CLEO	920 N MERIDIAN	OKLA CITY OK 73107	942-4076
KSPLC SCHOONMAKER BRIAN	BOX 487	CANTON OK 73724	886-3274	KSSUJ ROAT STEVE	5800 S KLEIN	OKLA CITY OK 73109	632-8369
KSPLN HATCHETT WINDLE	PO BOX 11	FT SUPPLY OK 73841	766-3561	KSSUZ HENDERSON RANDY	10809 NE 17	OKLA CITY OK 73141	769-3733
KSPNG GILLIAM BETTY	1400 ADAMS	ALTUS OK 73521	482-7494	KSSVC ROBINSON RICKY	5305 S. YOUNGS	OKLA CITY OK 73119	685-2467
KSPNL CASH CECIL	1802 NW SMITH	LANTON OK 73501	355-6337	KSSVE NORTHERN ELISE	751 W JUNIPER DR.	MUSTANG OK 73064	376-4287
KSPNF LAWS Lenny	2712 NW 120 TERR	OKLA CITY OK 73120	751-2967	KSSVF STIMPSON DOUG	2132 S.W. 77	OKLA CITY OK 73159	685-9978
KSPNH HOLZMAN TONY	15825 S E 59	CHOCTAW OK. 73020	391-3398	KSSVI ALLEN MARILYN	7508 CECILIA PL.	OKLA CITY OK 73132	721-1957
KSPND HALLET JOSEPH	2714 CYPRESS AVE	NORMAN OK 73069	321-2099	KSSVN IMAN JACK	1025 SE 42	OKLA CITY OK 73129	677-8537
KSPNT HUNSBERGER PHILLIP	285 CEDAR AVE	ALTUS AFB OK 73521	482-2548	KSSMP THOMAS WALFORD	9400 KEYLANE RT 1	MUSTANG OK 73064	-
KSPOD LIESENFELD ROBERT	1230 BRYANT #17	S. ST. PAUL MINN. 55075	-	KSSX DAVIS ADRIAN	6600 BRIARCREEK DR.	OKLA CITY OK 73132	722-9222
KSPON STEWART LARRY	4138 NW 62	OKLA CITY OK 73112	946-1961	KSSXJ FERGUSON DAVID	207 E. DOWDEN	MUSTANG OK 73064	376-3902
KSPOX JACKSON MARGARET	RT 1 BOX 314	LEXINGTON OK 73051	-	KSSYT THOMASON JOHN	940 MARS CIR	EDMOND OK 73034	340-1798
KSPRC KIDSON CHARLES	1126 HEMSTEAD PL	OKLA CITY OK 73116	842-9562	KSSYR ROSE SIDNEY	3812 NW 27	OKLA CITY OK 73107	946-5719
KSPRR MOORE STEVE	4121 NORTHWICH DR	NORMAN OK 73069	329-0275	KSSYH GRAHAM DON	4715 CHURCHILL DOWNS	NORMAN OK 73069	364-9457
KSPS SHERRILL PAT	3721 NW 27	OKLA CITY OK 73107	943-3219	KSTDA MCCLANAHAN MIKE	4105 CUNNINGHAM	OKLA CITY OK 73135	672-0817
KSPT THOMPSON PAUL	3813 CROMWELL	OKLA CITY OK 73112	949-1963	KSTDE CASON JERRY	1911 WILMINGTON CT	NORMAN OK 73071	360-3370
KSPTH ENGLISH ART	9604 NE 10	HIDWEST CITY OK 73130	732-8401	KSTEV RANAGE JOE	4401 S AGNES	OKLA CITY OK 73119	685-4814
KSPTO SCOTT MERRILL	6204 NW 22	BETHANY OK 73008	495-2829	KSTEV KNECHTLY TIMOTHY	7167C HOLDEN DR	TINKER AFB OK 73145	733-8754
KSPTY MCCANN DON	RT 1 BOX 227	WISTER OK 74966	677-2247	KSTGI LENOIR KEN	8208 N.W. 26	BETHANY OK 73008	495-3683
KSPUB BISHOP JR. GLEN	718 S 10TH	PONCA CITY OK 74601	767-1031	KSTGY BRODIE WILLIAM	2537 EDGEWOOD DR	MOORE OK 73160	794-0406
KSPUN HAWKINS EMMA	1408 BELL AVE	LANTON OK 73501	-	KSTH MANKIN MARY LOU	RT 2	FORUM OK 74455	484-5487
KSPVG DAVIS PAUL	143 WHITWORTH	PONCA CITY OK 74601	765-2227	KSTHS PRATHER JOHN	2404 BEL AIRE DR	MOORE OK 73160	-
KSPW SIRILO TOM	1114 TEAKWOOD	YUKON OK 73099	354-3790	KSTJL HOGUE A.L.	3109 OLD BULLARD RD	TYLER TX 75701	-
KSOAC BORIN CECIL	3244 S. KLEIN	OKLA CITY OK 73109	634-1960	KSTHM MORRIS DON	3021 NW 14TH	OKLA CITY OK 73107	942-7306
KSOAD BREXSTER JR. ALBERT	2530 CYPRESS AVE	NORMAN OK 73069	321-8076	KSTHM SAKER RICHARD	2400 S MACARTHUR	OKLA CITY OK 73128	685-2867
KSOOR HUCKABY JOHN	2317 KNOX DR	DEL CITY OK 73115	677-6353	KSTQV JENSON ROBERT	RT 2 BOX 375	MOUNTAINBURG ARK 72946	-
KSOET McDONALD JAMES	1229 SNOWBANK CT.	LONGMONT CO 80501	-	KSTTS JUMP RODNEY	8709 S LINN AVE	OKLA CITY OK 73159	681-7350
KSOGC ESFOLT STEVE	BOX 15	KINGFISHER OK 73750	375-5174	KSTSJ TODD TOMMY	717 TURTLECREAK RD	OKLA CITY OK 73170	691-2102
KSOOGH TICE CARLA	RT 1 BOX 63	MOORELAND OK 73852	994-2138	KSTSL FISHER MONTIE	808 BRETT	EDMOND OK 73034	-
KSOOU FIELDS FRANK	8313 NW 37	BETHANY OK 73008	789-8469	KSTTH GRIMMEL RICHARD	6608 HILLONRIDGE	OKLA CITY OK 73122	721-3991
KSONU GILLESPIE GEORGE	1836 E CIRCLE DR	CHOCTAW OK 73020	390-8432	KSTVF MCCOLL TERRY	517 W CENTRAL	FAIRVIEW OK 73737	227-3672
KESON MCGLYNN SUE	8741 ROXBURY	OKLA CITY OK 73132	722-3407	KSTXF WILLIAMS JAY	1504 POTOMAC	PONCA CITY OK 74601	765-9440
KSONB MCCORD JR PAUL	1316 HALLARD DR	DEL CITY OK 73115	677-6987	KSTXG HARRIS SHERWOOD	1216 N LEE	ALTUS OK 73521	482-0402
KSONK HOROWITZ CARL	1801 LOGAN DR	NORMAN OK 73069	360-1819	KSTY LONG RAY	3207 NW 47	OKLA CITY OK 73112	942-4314
KSONN WOOD RICHARD	3400 EASTWOOD CIR	DEL CITY OK 73115	677-0363	KSTZQ WARREN BILL	4405 BISON RD	SHAWNEE OK 74801	275-0119
KSOOZ TWELVES RONALD	2975 W BOIS D'ARC	DUNCAN OK 73533	255-6965	KSUJ NICAR REO	BOX 403	EDMOND OK 73083	341-2792
KSOXU CURRY JAMES	RT 1 BOX 113L	TUTTLE OK 73089	381-2638	KSURB BURDICK KEN L.	616 S.W. 40TH TERR	OKLA CITY OK 73109	632-1822
KSOZD MORRIS SANDRA	5636 EVERGLADE RD	DALLAS TX 75227	-	KSUHU POKORNY SID	1335 N. RIDGE CIR	HORSESHOE BEND ARK 72512	-
KBAR WRIGHT JAMES	9227 S. SHARTEL #102	OKLA CITY OK 73139	-	KSUHX BASINGER GLENN	1511 ROCKRIDGE G	NORMAN OK 73071	364-0330
KDORA LONG RICK	9-301 455 WRIGHT	LAKEWOOD CO 80228	-	KSUBO PRONKEKE MARSH	RT 2 BOX 144	BLACKWELL OK 74631	363-2526
KASRAO ROGERS WILLIAM	1121 SW 53	OKLA CITY OK 73109	632-4375	KSUCH KENNEDY WILLIE	RT 1 BOX 454	NOBLE OK. 73068	329-0914
KSRAX SULLIVAN DONALD	7420 N.W. 19	BETHANY OK 73008	787-0092	KSUJC GRINES MARY	2707 GRINES AVE	EL RENO OK 73036	262-1186
KSRB LAMSON BART	BOX 381	MOORELAND OK 73852	994-5940	KSUGA ISAACS SAM	1305 W CEDAR	DUNCAN OK 73533	255-9221
KSRB GILBERTSON HAROLD	BOX 94003	OKLA CITY OK 73143	634-4822	KSUGH RADER JERRY	3121 NW 68	OKLA CITY OK 73116	843-9236
KSRB GILBERTSON HAROLD	4515 S SANTA FE #4	OKLA CITY OK 73109	634-4822	KSUHM LOELIGER DON	6320 NW 85	OKLA CITY OK 73132	721-3963
KSRC LEMAR JIMMY	505 S POMELL	WYNEMOOD OK 73098	665-2776	KSUHM SEIGNIOUS JIM	12708 GAELIC GLEN CT	OKLA CITY OK 73142	722-1740
KSRC MAY BOB	1208 NW 122	OKLA CITY OK 73114	751-2048	KSUHZ MOORE GEORGE	1219 COLORADO	CHICKASHA OK. 73018	224-3861
KSRDE HAIR R.I.	RT 1 BOX 423	LUTHER OK 73054	586-2405	KSUIV VAN NORT STAN	BOX 75252	OKLA CITY OK 73147	-
KSEY JANKA RAY	2708 WINDSOR BLVD	OKLA CITY OK 73127	942-4146	KSURP JONES DON	3444 SW 39	OKLA CITY OK 73119	685-2380
KSEAH COURTRIGHT BILL	143 CARDINAL	NEW BRAUNFELS TX 78130	-	KSULK SKAGGS GARY	1048 N.W. 1ST	MOORE OK 73160	799-6727
KSEAH JESSUP ED	11824 AZALEA CT	PIEDMONT OK 73078	373-2408	KSUHH MCENDREE DEANNA	1912 CANARY	ALTUS OK 73521	482-6777
KCSRI AHERN JUDSON L.	1815 LAKEHURST DR	NORMAN OK 73071	364-0129	KSUNF BIBLE BRYAN	212 N KITTYHAWK	HIDWEST CITY OK 73110	733-1974
KCSRJ GRINES LEROY	2707 GRINES AVE	EL RENO OK 73036	262-1186	KSUNG RAYMONS JASON	6728 NW 16	OKLA CITY OK 73127	789-7342
KSLJR VORHEIS LARRY	3009 MCILLIAN	BETHANY OK 73008	789-9629	KSUOH BOWEN THOMAS	1005 N. PATTERSON DR	MOORE OK 73160	-
KSRKA SHARPE GLENN	3000 GLEN OAKS	HIDWEST CITY OK 73110	737-4544	KSUOY GRIFFITH JOHN	RT 2 BOX 686	PONCA CITY OK 74601	762-4674
KSLJM STULTS JAMES	BOX 59	CALUMET OK 73014	893-2561	KSURJ MCNORTER PERRY	3418 NW 29	OKLA CITY OK 73107	946-1532
KSLRP FISH MARGARET	BOX 176	CALUMET OK 73014	893-2227	KSUUR BRIDGEMATER ODIE	413 E WILLIAMS DR	MOORE OK 73160	799-1193
KSRMI BENSON WILBUR	BOX 162	DOVER OK 73734	828-4211	KSBUTY NOBES CHARLES	BOX 3092 HOLB	ALBANY GA 31704	-
KSROU HINES WILLARD	RT 2 BOX 478	OKLA CITY OK 73114	478-1583	KSUUX MCCOHN CHARLES	226 MINOSA DR	NORMAN OK 73069	321-1061
KSRPP BARRETT SAM	BOX 5362	NORMAN OK 73070	321-2601	KSUUR LIESENFELD VINCE	1633 WESTBROOKE TERR	NORMAN OK 73069	364-4137
KSRPR DOLLMEYER CLARENCE	2229 HUMMINGBIRD	LANEDMOND OK 73034	341-7163	KSUUR LUSK GAYLA	1716 - 7TH	WOODWARD OK 73801	256-3632
KSRPD COUFFER CHARLES	29 GLENDA DRIVE	YUKON OK 73099	354-3385	KSUZD DESTHOLINSKI LOUIS	1037 CRUCE	NORMAN OK 73069	321-3344
KSRPR BEATTY JOHN	8404 NW 101	OKLA CITY OK 73132	721-5395	KSUZI WILLIAMSON RON	1817 LARIET LN	DEL CITY OK 73115	677-2131
KORTH WATKINS GLENN	415 W WASHINGTON DR	WEBB CITY MO 64870	-	KSVNE LOVEGROVE JACK	4432 N.W. 11 TERR	OKLA CITY OK 73107	946-2966
KSRUM WELCH DARRYL	418 S LEWIS LN	MUSTANG OK 73064	376-2766				
KSRUP HALL A.E.	2508 NW 58 PLACE	OKLA CITY OK 73112	843-6890				

WASVAG TODD HAROLD	1300 SW 62	OKLA CITY OK 73159	685-3485	ACARC *	WSPAA	POSTAL STATION 18	OKLA CITY OK 73149	
WASVNU SELTER WANDA	4620 NW 59	OKLA CITY OK 73122	721-3503	ADKINS GEORGE	ADIS	8517 NW 92	OKLA CITY OK 73132	722-6195
WASVNU EMBRY MOODY	916 W BROOKS ST	NORMAN OK 73069	329-8643	ADKINS VICKI	NSDLH	8517 NW 92	OKLA CITY OK 73132	722-6195
KASVAY ROGERS DAVID	BOX 1-465	FT SUPPLY OK 73841	766-2311	ADLER MERVIN	KSELL	812 BELLE AIRE AVE	EDMOND OK 73034	341-5605
WBSVCB TOWNSEND JIM	6610 S SHIELDS	OKLA CITY OK 73149	632-5445	AMERN CAROLYN	NSEAI	1815 LAKEHURST DR	NORMAN OK 73071	364-0129
WBSVCJ STEVENS STEVE	BOX 976	EDMOND OK 73083	341-8486	AMERN JUDSON L.	KCSRI	1815 LAKEHURST DR	NORMAN OK 73071	364-0129
WBSVEJ MCCAFFREY RAYMOND	1405 LOCUST	MUSKOGEE OK 74401	-	AKIN DEAN	NSBEZ	44 MOJAVE DR	SHAWNEE OK 74801	275-5908
KASVEK THOMASON AMBER	14209 HT. VERNON PL	EDMOND OK 73034	478-4615	ALBRIGHT HARVEY	KASETO	8500 NE 28	SPENCER OK 73084	427-3087
KSVFN FIELDS KENNETH	BOX 435	MCCLLOUD OK 74851	391-5304	ALEXANDER SCOTT	COCO	3407 VINE	CHICKASHA OK 73018	224-8741
WBSVHC CULLISON MARVIN	3419 MEADOW LN	PONCA CITY OK 74601	762-3987	ALLEN GERALD	NSGVP	7508 CECILIA PL.	OKLA CITY OK 73132	721-1957
WASVJG HINES JANICE	RT 2 BOX 478	OKLA CITY OK 73114	478-1583	ALLEN JUNE	NSARV	7309 S DOUGLAS AVE	OKLA CITY OK 73139	632-1708
WBSVJI DONAHUE MIKE	10712 CECILIA DR.	OKLA CITY OK 73132	722-4548	ALLEN MARILYN	KASSVI	7508 CECILIA PL.	OKLA CITY OK 73132	721-1957
WBSVKA COLANGELO EUGENE	BOX 19495	OKLA CITY OK 73144	787-6125	ALLEN ROBERT	NSEPV	7309 S DOUGLAS AVE	OKLA CITY OK 73139	632-1708
WBSVKB GRIFFIN BOB	1733 TIVERTON	ARDMORE OK 73401	223-8741	AMOS LYEAL	WSSJC	3213 N. SHANNON	BETHANY OK 73008	787-5298
WBSVKB INHIS FRED	RR 2 BOX 307L	ARDMORE OK 73401	223-1709	ANDERSON BILL	COCO	BOX 39	CARNEGIE OK 73015	654-2315
WBSVND PHELPS VERNON	3821 SW 27ST	OKLA CITY OK 73108	681-6861	ANDERSON THEODORE	KASOOD	2929 SW 50	OKLA CITY OK 73119	685-4016
WASVNE HYATT MARY ANN	914 S MAIN	KINGFISHER OK 73750	375-3783	ANDERSON MADE	KBSEK	205 BELLALIRE DR	MOORE OK 73160	794-5144
WBSVOS SHAW IVIE	BOX 300	GOTEBOK OK 73041	538-4747	APPEL IRVING	KSPIA	1145 NW 26	OKLA CITY OK 73106	524-0132
KSVRL WILLIAMS JIM	6400 NW 30 TERR	BETHANY OK 73008	789-0769	ARD R.E.	WSJHE	203 E DOUGLAS DR	HIDWEST CITY OK 73110	732-2498
KSVVD BRENER LARRY	14685 S E 23	CHOCTAW OK 73020	390-8126	ARENS R.C.	NDSH	2804 ORLANDO RD	OKLA CITY OK 73120	751-3117
WBSVWU BLUM HAROLD	RFD	CALUMET OK 73014	-	ARNOLD FRANK	WSPDH	608 HOLWAY DR	HIDWEST CITY OK 73110	737-2582
KSVVZ EASON KENNETH	7132 NW 21	BETHANY OK 73008	789-2200	ARNOLD LARRY	KASJKR	4107 N SHADYBROOK DR	HIDWEST CITY OK 73110	732-2830
WBSVXL UNITONE X ROB REID	10944 23RD AVE	PLACE CORALVILLE IA 52241	-	ARNOTE ED	NSGOR	-	ISABELLA OK 73747	227-2731
WBSVXR SKELTON WAYNE	120 N 5TH	HEALDTON OK 73438	229-0485	ASHBY ROBERT	WSHXL	2837 NW 19	OKLA CITY OK 73107	942-5375
WBSVXU SCHENKEL MIKE	1211 SOUTH MAIN	ALTUS OK 73521	482-1797	ASPLIN PAUL	WASHTL	6902 NW 57	BETHANY OK 73008	787-4286
WBSVZU KELLEY ROBERT	3400 BROCK DR	OKLA CITY OK 73119	632-8433	ATKINS CHARLES	COCO	3105 MCILLAN	BETHANY OK 73008	495-2437
WBSVZY LASH LEE	10724 MAJOR AVE	OKLA CITY OK 73120	755-0577	ATKINSON SUSIE	KASFED	3113 WILSHIRE TERR	OKLA CITY OK 73116	842-9014
KXSH BOWERS DOC	BOX 772	BETHANY OK 73008	942-7738	BAILEY DELORES	NSFUN	BOX 325	FAIRVIEW OK 73737	227-2061
NDSH ARENS R.C.	2804 ORLANDO RD	OKLA CITY OK 73120	751-3117	BAILEY MAJOR	KISP	BOX 325	FAIRVIEW OK 73737	227-2061
KDSNA RUSSELL LOUIS	503 SUNBURST	NORMAN OK 73069	321-4036	BAKER HOWARD	WSAS	5928 N REDMOND	OKLA CITY OK 73122	721-5453
KDSNA RUSSELL LOUIS	BOX 1203	NORMAN OK 73070	321-4036	BAKER PAUL	COCO	6232 OLDE HARNICK CIO	OKLA CITY OK 73132	722-4825
WASVHO GOVER SAM	5400 S LEE	OKLA CITY OK 73109	634-2510	BAKER RICHARD	WBSHMH	2400 S MACARTHUR	OKLA CITY OK 73128	685-2867
KWNTC ZIETLOW JOHN	309 W SILVERWOOD DR	HIDWEST CITY OK 73110	733-2765	BAWULA GEORGE	COCO	2810 S.W. 59 #152	OKLA CITY OK 73119	-
WBSMKC SNYDER DAVID	825 N. LAPHING RD	EDMOND OK 73034	340-1081	BALL MICHAEL	NSGCH	1848 SUNRISE DR	MOORE OK 73160	794-5286
WBSMKD SNYDER KATHLEEN	825 N. LAPHING RD	EDMOND OK 73034	340-1081	BANKS TOM	WSHJ	2722 TOPLEY AVE	LAS CRUCES N.M. 88005	-
WSNL SHEAFFER CHARLES	2336 NW 46TH	OKLA CITY OK 73112	848-5062	BARNES RAY	ABSZ	RT 1 BOX 166	LONGDALE OK 73755	274-3334
NSAM RIDDLES BILL	2647 NW 55 PL	OKLA CITY OK 73112	842-0092	BARNES WALTER	A	9909 HARBOR DR	OKLA CITY OK 73132	721-3322
WBSMPC FRANKS KEN	STAR RT BOX 8A	OVERBROOK OK 73453	226-1950	BARRETT SAM	WASAPP	BOX 5362	NORMAN OK 73070	321-2601
WBSMPC FRANKS KEN	BOX 1159	BETHANY OK 73008	495-1494	BARTLEY LEO	WSOH	9050 WALNUT ST	BELLFLOWER CA 90706	-
WAWFO HALLENBECK W.D.	1030 SHERIDAN RD	MOUNT DORA FL 33757	-	BARTO JACK	COCO	9201 LANSBROOK	OKLA CITY OK 73132	721-8559
WASVSH RIDGWAY HOWARD	2400 NW 33	OKLA CITY OK 73112	946-7610	BARTON DENNY	COCO	1619 E. LONGVIEW LN	MUSTANG OK 73064	745-4164
WASVWG TIPTON JACK	RT 1 BOX 119	OUTHRIE OK 73044	282-3082	BASINGER GLENN	WSUAX	1511 ROCKRIDGE G	NORMAN OK 73071	364-0330
KSAUF DIEHL DALE	3912 NW 59TH	OKLA CITY OK 73112	943-5438	BASS HAROLD	WSHIB	1604 DOVER	PONCA CITY OK 74601	762-8594
WBSMXC SHERER BILL	4105 NW 62	OKLA CITY OK 73112	942-1617	BASSETT MATT	NSHCI	919 N HOWSE	ALTUS OK 73521	482-2327
KSMYE HOFF J. LESLIE	110 SW 49	OKLA CITY OK 73109	-	BATCHELOR DAN	WSYKK	621 NW 39	OKLA CITY OK 73118	521-0125
KCSWZ REGER KAREN	2408 W BIG CEDAR AVE	EDMOND OK 73034	341-7030	BATEMAN MONTE	WBSRXZ	203 E DAVIS #1	NORMAN OK 73069	329-7485
WBSWZH MCCLURG O.G.	309 TIM HOLT DR	HARRAH OK 73045	454-2381	BATEMAN MONTE	WBSRXZ	203 E DAVIS	NORMAN OK 73071	329-7485
KBSXH HANKIN HAVEN	425 NW 38	OKLA CITY OK 73118	524-0004	BAUGH DAVID	KBSKT	3913 N SHANNON AVE	BETHANY OK 73008	787-4183
KBSXH STOKES HENRY	BOX 554	MUSTANG OK 73064	324-0220	BEATTIE HARRY	WBSOPR	304 E DETROIT	PONCA CITY OK 74601	765-3862
KDSXH STOKES HENRY	633 W VANDERBENT	YUKON OK 73099	354-8396	BEATTY JOHN	WBSRRZ	8404 NW 101	OKLA CITY OK 73132	721-5395
KBSXH SEALS JAMES	RT 4 BOX 260	TUTTLE OK 73089	381-2005	BEAVERS CLARENCE	NSGUM	4629 SE 50	OKLA CITY OK 73135	677-6831
NDSY JENNINGS GARLAND	3908A NW 10 LOT 17	OKLA CITY OK 73107	949-0506	BECKLOFF KENNETH	KCSMY	RT 1 BOX 90A	OAKWOOD OK 73658	891-3499
KSYAQ SITTIL CLARENCE	2633 NW 45	OKLA CITY OK 73112	947-4015	BELTRAM E.F.	COCO	RT 2 BOX 82	EDMOND OK 73034	341-8731
KDSYB DAY JACK	CHESTER STAR ROUTE	FAIRVIEW OK 73737	227-3462	BENEDA VIRGINIA	NSEND	RT 1 BOX 69	HITCHCOCK OK 73744	825-3302
WASVBT WILSON WALLACE	4508 N COLLEGE AVE	BETHANY OK 73008	495-9200	BENNETT JAMES	NDSA	10417 LEICESTER	YUKON OK 73099	324-0749
WASVDF BROWN ED	3717 N. MILLER	OKLA CITY OK 73112	943-9073	BENSE STEVE	WAOLE	4900 CHERRY HILL LN.	OKLA CITY OK 73135	677-7640
WASVDF BROWN ED	RT 1 BOX 571-7	CONOVER NC 28613	-	DENSON HUGH	KASDGY	4428 NW 45	OKLA CITY OK 73112	946-0033
WASVFI BOLIN STAN	812 S ST PAUL	MIDWEST CITY OK 73130	733-2239	DENSON HUGH	KSRHI	BOX 162	DOVER OK 73734	828-4211
KSYGM SPIVEY JOHN	4705 N KELLEY	OKLA CITY OK 73111	424-2944	BERRY AL	NSGRH	RT 5 BOX 45-A	CHICKASHA OK 73018	222-1106
KSYKD WOLF EARNEST	611 NW 94	OKLA CITY OK 73114	848-3425	BEVILL J.C.	WSEIP	2924 SHIRLEY LN	OKLA CITY OK 73116	842-3897
WBSYKD SCHILLING JOE	1409 S.W. 66	OKLA CITY OK 73159	681-5884	BIGLE BRYAN	KASUMF	212 W KITTYHAWK	HIDWEST CITY OK 73110	733-1974
WSYKK BATCHELOR DAN	621 NW 39	OKLA CITY OK 73118	521-0125	BICKHAM JACK	KUSB	BOX 164	NORMAN OK 73070	329-1311
WBSYLZ SULLIVAN CHARLES	4817 NW 62	OKLA CITY OK 73122	721-1078	BIGELOW DEEDS	WBSADN	BOX 2930	EDMOND OK 73083	341-0556
WSYFN MCKINSEY JOE	3320 NW 41	OKLA CITY OK 73112	942-0026	BIGLER JOHN	WBSFIS	3200 N GLENHAVEN DR	HIDWEST CITY OK 73110	732-6260
WASVGO HOUSTON DOYLE	RT 1 BOX 71A	GEARY OK 73040	-	BILLINGS SAM	COCO	RT 1 BOX 58F	CALUMET OK 73014	884-2330
WBSYRN FOILES DELBERT	1706 RICHWAY	PONCA CITY OK 74601	762-4479	BILLS J.B.	KESMU	BOX 655	HOLDENVILLE OK 74849	379-3992
KSVVI WOODRUFF BILL	BOX 960	HATONCA OK 73772	623-2429	BISHOP JR. GLEN	KASPUB	718 S 10TH	PONCA CITY OK 74601	767-1031
WBSYND SHIDLER JIM	1715 HILLSIDE	STILLWATER OK 74074	377-0493	BLACK ELMO	WSJCB	1200 OAKSPRINGS LN	EDMOND OK 73034	341-5126
KSYXF BOND TOMMY	9805 RITTER RD	OKLA CITY OK 73132	721-5706	BLACK ELMO	WSJCB	413 NE 38 TERRACE	OKLA CITY OK 73105	528-6467
WSYZA MORGAN RUSSELL	1016 NW 7	MOORE OK 73160	799-6467	BLACK LELAND	WSMCH	726 WOODS	NORMAN OK 73069	329-3222
KSYZK PHARES JIM	2901 APACHE	WOODWARD OK 73801	254-2319	BLAKLEY C.B.	WASIOH	RT 1 BOX 109	BYARS OK 74831	783-4217
ABSZ BARNES RAY	RT 1 BOX 166	LONGDALE OK 73755	274-3334	BLUM HAROLD	WSSVU	RFD	CALUMET OK 73014	-
AFSZ HELMS ROBERT	434 W ERCOLPE DR	HIDWEST CITY OK 73110	733-3429	BOARDMAN FRED	WSNL	2900 BIRD DR	OKLA CITY OK 73121	427-2505
WASIZAN MCRAE WALLACE	PO BOX 151	SEMINOLE OK 74868	382-5221	BOETTNER LARRY	COCO	3600 S. HARVEY	OKLA CITY OK 73109	636-4294
WSZDI SMITH CLYDE	207 S ROBERSON	HANGUM OK 73554	782-2345	BOLAND CONNIE	KASERZ	3008 RANKIN TERR	EDMOND OK 73034	348-0123
KSZFF CREEKHORE FRANK	8509 EASTERN	OKLA CITY OK 73131	478-0273	BOLAND JR BILL	KASESA	3008 RANKIN TERR	EDMOND OK 73034	348-0123
WASZGN KEELING J.D.	300 N FRETZ	EDMOND OK 73034	341-4496	BOLGER MELVIN	WSAXH	2817 LAKESIDE DR	OKLA CITY OK 73120	755-0654
KSZHD COX JAN	9624 CASTLE RD	OKLA CITY OK 73132	721-4617	BOLIN STAN	WASYFI	812 S ST PAUL	HIDWEST CITY OK 73130	733-2239
WASZJE HOPKINS ARVEL	2933 SW 65	OKLA CITY OK 73159	685-0688	BOND TOMMY	KSYXF	9805 RITTER RD	OKLA CITY OK 73132	721-5706
WSZKJ BRAY HAROLD	1309 S.W. 67	OKLA CITY OK 73122	942-3733	BONEAU DAVID	COCO	617 N MARKWELL	OKLA CITY OK 73127	495-3251
WBSZKV LANGER LAWRENCE	4816 NW 34	DEL CITY OK 73115	677-3593	BOORD AL	WASGDI	316 REYNOLDS RD	EDMOND OK 73034	341-6698
WBSZKM TULL CLIFTON	3909 SE 14	EDMOND OK 73034	348-1772	BOOTON LUTHER	WDSGIM	529 SW 62 TERR	OKLA CITY OK 73139	-
WASZKX WELLS HAROLD	806 HAWTHORNE LN	OKLA CITY OK 73112	842-9608	BORIN CECIL	WSOAC	3244 S. KLEIN	OKLA CITY OK 73109	634-1960
WBSZKY FITZGERALD C.K.	2530 NW 56	OKLA CITY OK 73139	691-1152	BOUCHER AL	KSHM	BOX 203 HOXBAR RT.	ARDMORE OK 73401	223-4921
WBSZKZ MUSE JACK	10100 S SHARTEL DR	HIDWEST CITY OK 73110	737-1044	BOWEN THOMAS	WSUOH	1005 N. PATTERSON DR	MOORE OK 73160	-
WASZHF HARDING JOE	1020 ARTHUR DR	BETHANY OK 73008	789-8587	BOWERS DOC	KXSH	BOX 772	BETHANY OK 73008	942-7738
WASZHO HUSTAK JOE	6821 NW 27	HIDWEST CITY OK 73110	732-5970	BOWMAN GERALD	NSCCV	PO BOX 356	MOORELAND OK 73852	994-5600
WBSZJOY MORGAN SAM	500 E KERR	HIDWEST CITY OK 73110	732-5970	BOWMAN MARK	NSHJA	RT 1 BOX 54	VICI OK 73859	995-3175
WASZRU GLASS GEORGE	13422 ROKA CIR.	NEWALLA OK 74857	391-6157	BOWMAN MICHAEL	NSHII	RT 1 BOX 54	VICI OK 73859	995-3175
WSZHM HALLMARK C.L.	BOX 2331	PONCA CITY OK 74602	762-8620					
WASZXB DAVIS DONALD W	3709 SPRINGLAKE DR	OKLA CITY OK 73111	478-0548					
KSZXE MOORE TOM	201 S. ELIZABETH	PAULS VALLEY OK 73075	238-7295					
WSZIG GRIFFIN CLINT	2313 NICKY BETH	DEL CITY OK 73115	677-1758					

BOYD JERRY	A	4004 FAIRVIEW	DEL CITY OK 73115	677-7251	CROCKER JIM	NSCJA	424 SUNRISE	NORMAN OK 73069	321-0830
BRADBURY ROBERT	KASEUB	8212 NW 92	OKLA CITY OK 73132	722-6880	CROCKER JIM	NSCJA	424 SUNRISE	NORMAN OK 73071	329-0830
BRAGO RON	WBSHST	11104 NW 115	YUKON OK 73099	373-2824	CROW RON	WSEAI	2428 SW 46	OKLA CITY OK 73119	681-0896
BRANDT LINDA	NSDMN	132 WESTCHESTER AVE	NORMAN OK 73069	321-5081	CRONENNETT H.T.	KDSFI	2566 CYPRESS	NORMAN OK 73069	329-0095
BRATTON BOB	NSAIP	2003 HONEYSUCKLE #6	HANDON OK 73554	782-3073	CROOK ABE	W7LLP	1928 E 14 PL	ADA OK 74820	332-4730
BRAY HAROLD	NSZKJ	1309 S.W. 67	OKLA CITY OK 73159	685-0688	CROSBY WILLIAM	WKBZ	2736 S.W. 45	OKLA CITY OK 73117	682-3045
BRAY JAMES	COCO	19047 RANCHWOOD DR	HARRAH OK 73045	-	CRUSSEN JACK	COCO	217 CHEROKEE DR.	YUKON OK 73099	354-4079
BREWER LARRY	KSVVD	14685 S E 23	CHOCTAW OK 73020	390-8126	CULLISON HARVIN	NBOVHC	3419 HEADON LN	PONCA CITY OK 74601	762-3787
BREWER VERN	A	RT 1 BOX 191	FAIRVIEW OK 73737	-	CUNDEIFF ERNEST	COCO	3821 S. DREXEL	OKLA CITY OK 73119	685-0684
BREWSTER JR. ALBERT	WSDQAD	2530 CYPRESS AVE	NORMAN OK 73069	321-0076	CURRY JAMES	WBSOXU	RT 1 BOX 113L	TUTTLE OK 73089	381-2638
BRIDGEMAN ODDIE	WASUTR	413 E WILLIAMS DR	MOORE OK 73160	799-1193	CURTIS BOYLE	WDSCHG	525 SW 102	OKLA CITY OK 73139	691-4210
BRODIE WILLIAM	K3TGY	2537 EDGEWOOD DR	MOORE OK 73160	794-0406	DAILEY DAVE	KDSAH	1105 NE 22 ST	MOORE OK 73160	794-6470
BRODY MARTIN	KASJAJ	RT 1 BOX 509	STROUD OK 74079	528-3170	DALBY JOHN	WSCO E	2021 NW 47	OKLA CITY OK 73118	843-1948
BROPHY GERALD	KDSGP	4013 VICKIE DR	DEL CITY OK 73115	672-9185	DALRYMPLE DALE	WDSGUG	1406 E PARK	ENID OK 73701	233-6953
BROTHERS JERRY	COCO	8230 HOLLYLEAF DR	SPRING TX 77379	-	DAVIS ADRIAN	WASX	6600 BRIARCREEK DR.	OKLA CITY OK 73132	722-9222
BROUDY JEROME	WNSCJ	1920 WESTBROOKE TERR	NORMAN OK 73069	329-0262	DAVIS DONALD W	WASIXB	3709 SPRINGLAKE DR	OKLA CITY OK 73111	478-0548
BROWN DOUG	WBSKAK	5813 NW 31	OKLA CITY OK 73122	947-2836	DAVIS JEFF	COCO	1112 ELMHURST	MOORE OK 73160	-
BROWN ED	WASYDF	3717 N. MILLER	OKLA CITY OK 73112	943-9073	DAVIS PAUL	KASPYG	143 WHITWORTH	PONCA CITY OK 74601	765-2227
BROWN HAROLD	A	519 W. FORD	SHAMNEE OK 74801	275-3399	DAWSON JAMES	WASPHJ	1005 PINE OAK DRIVE	EDMOND OK 73034	341-6287
BROWN JOE	WSEUH	1524 N. SARA RD	MUSTANG OK 73064	376-4253	DAWSON RAY	KBSAC	7308 LANCET LANE	OKLA CITY OK 73120	843-1767
BROWN LEROY	COCO	2641 SW 96	OKLA CITY OK 73159	691-5048	DAY JACK	KDSVB	CHESTER STAR ROUTE	FAIRVIEW OK 73737	227-3462
BROWN ORLANDO	COCO	124 CYPRESS	YUKON OK 73099	354-6438	DAYS PAUL	WAILOG	1525 GLENWOOD	MOORE OK 73160	799-8180
BROWNING ROBERT	COCO	1618 CARLISLE CT	OKLA CITY OK 73120	842-0586	DEATHERAGE RICHARD	WNSGUK	6405 BERNADINE LN	OKLA CITY OK 73159	685-3039
BROWNLEE CURTIS	WSCCH	3033 ROLLINGSTONE RD	OKLA CITY OK 73120	751-2458	DELASHAW MIKE	COCO	10244 PAISLEY RD	YUKON OK 73099	324-0740
BROZEK RICHARD	COCO	11709 PRICE DR	OKLA CITY OK 73170	691-1204	DELTORTO JIM	KSFLL	239 COOLIDGE	PONCA CITY OK 74601	762-1221
BRUNER DON	WBSIEK	6604 NW 30 TERR	BETHANY OK 73008	789-1910	DEMAND BILL	KSSKA	2317 NW 121	OKLA CITY OK 73120	751-5137
BRUNING AL	WBSOKK	RT 8 BOX 42	CHOCTAW OK 73020	390-2983	DEMERSON FREDDIE	WNSAKL	801 MUSGRAVE BLVD	OKLA CITY OK 73114	478-0566
BRYAN MARK	COCO	9317 BROUGHTON CT.	OKLA CITY OK 73132	721-4145	DENNIS DWIGHT	WBSKRN	1701 OXFORD DR	ALTUS OK 73521	482-2498
BRYAN MARY	KSPBE	BOX 249	KINGSTON OK 73439	564-2177	DENMALT PAUL	KSCAZ	3144 LONGRIDGE	DEL CITY OK 73115	677-1092
BRYAN RAY	W510	BOX 249	KINGSTON OK 73439	564-2177	DERRYBERRY KAY	COCO	2516 SW 83	OKLA CITY OK 73159	681-0461
BRYANT PAUL	KDSJZ	820 S.E. 10	MOORE OK 73160	793-9496	DERRYBERRY RON	COCO	2516 SW 83	OKLA CITY OK 73159	681-0461
BUCHANAN JAMES	W5JGC	3114 WHEELER AVE	BETHANY OK 73008	495-2777	DESTHOLINSKI LOUIS	W5SUZD	1037 CRUCE	NORMAN OK 73069	321-3344
BUNCE GEORGE	W5KRC	RT 1 BOX 85	EDMOND OK 73034	341-6419	DIBRELL CHARLES	W5BLW	221 9TH N.W.	ARMORE OK 73401	226-0589
BUNN JOE	KASKTD	409 NE 60	OKLA CITY OK 73105	848-8031	DICKENSON ANGEL	W000Z	12610 E MAPLE BOX	2500 COLDWATER KS 67029	582-2885
BUNTGENS CHARLES A	A	1956 HEDGES RD	ARMORE OK 73401	226-1955	DIEHL DALE	KSMUF	3912 NW 59TH	OKLA CITY OK 73112	943-5438
BURDICK KEN L.	K5UAB	616 S.W. 40TH TERR	OKLA CITY OK 73109	632-1822	DILLARD LARRY	WBSCHB	308 WOODHOLLOW TRAIL	EDMOND OK 73034	348-2634
BURKLEO DAVID	COCO	1433 N BRADLEY	OKLA CITY OK 73127	495-0052	DMS *	A	1533 S.E. 66	OKLA CITY OK 73149	670-9600
BURMAN PAT	WBSNMT	RR 3 OSAGE OAKS #63	PONCA CITY OK 74601	765-7229	DOLING FRANCIS	COCO	2605 N.W. 49	OKLA CITY OK 73112	946-3093
BUSICK RAYMON	KDSOR	BOX 2297	NORMAN OK 73070	364-1725	DOLLMAYER CLARENCE	KBSRR	2229 HUMMINGBIRD LANE	EDMOND OK 73034	341-7163
BUSHELL JIM	W5BEO	1304 W PARK PL	OKLA CITY OK 73106	-	DONAHUE MIKE	W5WJI	10712 CECILIA DR.	OKLA CITY OK 73132	722-4548
BUSHELL JOE	K5JB	3312 IDYLWILD	MIDWEST CITY OK 73110	732-0676	DONALDSON FRANK	KASLNO	1125 WESTBROOK TERR	NORMAN OK 73069	329-4172
CALLISON JOHN	KBOOU	405 NW 121	OKLA CITY OK 73114	751-3620	DONNELL MURIL	W5LFF	4812 ELVIEW DR	DEL CITY OK 73115	677-0893
CALLISON LINDA	WDOFTM	405 NW 121	OKLA CITY OK 73114	751-3620	DORON DR. CAROL	W5EEB	RT 3 BOX 402	TUTTLE OK 73089	381-2274
CAMPBELL WAYNE	KASLBF	7237 SEMINOLE TERR	OKLA CITY OK 73132	721-4294	DORON DR. STUART	KXOD	RT 3 BOX 402	TUTTLE OK 73089	381-2274
CARRELL LOYD	KASHUL	316 MOISELLE DR	MIDWEST CITY OK 73110	732-6449	DOWNING DAVID	KBSNV	2437 SANDRA DR	MIDWEST CITY OK 73110	736-6377
CARTER CHARLES	WASBUP	603 B ST. S.E.	ARMORE OK 73401	226-2590	DRUMELLER CARL	W5JJ	5824 NW 58TH	OKLA CITY OK 73122	789-3788
CARTER JOSEPH	WSEMP	7021 NW 48	BETHANY OK 73008	789-5512	DUCK DONALD	AESM	2508 S.W. 101	OKLA CITY OK 73120	691-4199
CARTER RAY	COCO	5017 NW 62 TERR.	OKLA CITY OK 73122	721-7420	DUCLOS ED	W5OEC	8209 GOLDEN OAK RD	OKLA CITY OK 73127	495-2797
CASH CECIL	WSPHL	1802 NW SMITH	LAWTON OK 73501	355-6337	DUNN BOB	KCSIH	7729 NW 26	BETHANY OK 73008	789-3866
CASON JERRY	KASTOE	1911 WILMINGTON CT	NORMAN OK 73071	360-3370	DUNNHOOD AUSTIN	K5JJC	516 S CEDAR	SHATTUCK OK 73858	938-2685
CASSADY TOM	KFSF	1421 CRESTON WAY	EDMOND OK 73034	340-0799	DUNNHOOD ROSS	WBSMZ	516 S CEDAR	SHATTUCK OK 73858	938-2685
CASTLEBERRY REUBEN	WNSFRF	993 NICHOLS AVE	LITTLETON CO 80122	-	EADS E.M.	COCO	330 W. CEDAR	MUSTANG OK 73064	376-9924
CATLIN W.B.	KSMUT	BOX 412	BUFFALO OK 73834	735-2060	EASON KENNETH	KSVVZ	7132 NW 21	BETHANY OK 73008	789-2200
CHANCELLOR ALONZO	WSEFH	105 N.E. 5	MOORE OK 73160	794-4991	EDLUND ROBERT	W5DS	RT 2 BOX 208	CRESENT OK 73028	969-3651
CHAPMAN FRED	KSLDE	1202 WESTLAHN	NORMAN OK 73069	364-5595	EDMONDS LESLIE	W5G00	RT 2 BOX 49V	DENISON TX 75020	465-8083
CHAPPELL JEFF	COCO	2408 JENSON AVE	EL RENO OK 73036	262-3319	EDWARDS JAMES	COCO	2317 SW 92	OKLA CITY OK 73159	691-4240
CHASSE ROBERT	COCO	2547 MEADOW COURT	WEST PALM BEACH FL 33406	-	EDWARDS WILLIAM	KE5RY	3501 N METHVIN	SPENCER OK 73084	771-5939
CHILCOAT JIM	W5JCK	3137 CARDINAL DR	ARMORE OK 73401	226-6816	EGLE DAVIS	KDSIT	2735 POPLAR LN	NORMAN OK 73069	321-7570
CHRISTIAN JOE	KSHMD	339 WOODCREST DR	NORMAN OK 73071	360-2128	EISENHOWER DON	A	408 N 7TH	FAIRVIEW OK 73737	227-2731
CHRISTIAN LARRY	W5ASK	100 N.E. 11TH	MOORE OK 73160	793-8021	ELFERS O.C.	WASOUV	RFD 2 BOX 20	LOGAN OK 73849	937-5492
CLARK AARON	WSETU	5825 NW 47	OKLA CITY OK 73122	-	ELIAS RAFAEL	CPIGH	5217 NW 115	OKLA CITY OK 73132	728-1414
CLARK ALWANDA	KJSC	5825 NW 47	OKLA CITY OK 73122	-	ELLIS LARRY	KOCIO	RR 1	COLDWATER KS 67029	582-2889
CLARK GEORGE	W5JRK	2633 NW 26	OKLA CITY OK 73107	942-2859	EMBRY WOODY	W5WAV	916 W BROOKS ST	NORMAN OK 73069	329-8643
CLEMELL CLEMON	WASBEL	PO BOX 99	HATONGA OK 73772	623-5559	ENG CLARENCE	K5BJJ	7900 NW 14	OKLA CITY OK 73127	787-0060
CLOWDS DON	KSLRC	1201 ROCKFORD RD	ARMORE OK 73401	226-1839	ENGBRECHT BETTY	KASJLA	RR 4 BOX 134	OKARCHE OK 73762	263-4411
COBURN DAVID	COCO	1511 N. MIDWEST BLVD	MIDWEST CITY OK 73110	736-6471	ENGBRECHT EDGAR	W5OGB	RR 4 BOX 134	OKARCHE OK 73762	263-4411
COCHRAN GLEN	WBSMLX	BOX 75247	OKLA CITY OK 73147	942-7148	ENGLISH ART	W5PTH	9604 NE 10	MIDWEST CITY OK 73130	732-8401
COCHRAN JACK	WASOEA	204 W MARSHALL DR	MIDWEST CITY OK 73110	732-8029	ESADODAH KEN	W5BEM	PO BOX 613	NORMAN OK 73070	329-4667
COCHRAN KENNETH	KSCKE	407 WAYNE	NEW IBERIA LA 70560	-	ESPOLT STEVE	KASOGC	BOX 15	KINGFISHER OK 73750	375-5174
COCHRAN WENDELL	WBSISO	4308 NW 26TH	OKLA CITY OK 73107	943-4308	EUBANKS PAT	KASHKG	RT 1 BOX 41	RINGLING OK 73456	662-2687
COCKERHAM JOHN	W04GSD	9104 ANGELA DR	MIDWEST CITY OK 73130	737-1489	FAGAN JOHN	WBSFZD	2329 BLUE CREEK	NORMAN OK 73071	364-1982
COLANGELO EUGENE	W04WKA	BOX 19495	OKLA CITY OK 73144	787-6125	FANT DAVE	WBSFME	708 PEREGRINE DR	NORMAN OK 73069	360-5652
COLEMAN HUGH	AJSJ	1701 S AIR DEPOT	MIDWEST CITY OK 73110	737-3317	FARRAR KIMBERLY	W5FRS	BOX 57	DOVER OK 73734	828-4214
COLLIER CLIFFORD	W5LJI	1414 NORTHCREST DR	ADA OK 74820	332-4020	FARRELL A.E.	KDSEM	4324 SE 16	DEL CITY OK 73115	677-6587
COLLIER GEORGE	W5OME	1024 UNIVERSITY	DURANT OK 74701	924-7625	FAUSS EDWARD	W5WH	BOX 206	EUFALA OK 74432	-
COMSTOCK JOHN	W5HIM	BOX 802	STILLWATER OK 74076	372-1901	FCC *	A	9330 LBJ FREEWAY	DALLAS TX 75243	-
CONGRAM TONY	W0SEAA	902 N 8	BLACKWELL OK 74631	363-2217	FEDDERSEN JOHN	KASHKH	11013 NW 114TH	YUKON OK 73099	373-1537
CONWAY MIKE	COCO	733 W SHEPHERD	MUSTANG OK 73064	376-3939	FELTENBERGER OREN	WBSSED	2407 RICHMOND RD	WOODWARD OK 73801	256-7674
COOK CLAUDE	W40BJ	62 BROOKWOOD DR	OKLA CITY OK 73139	-	FERGUSON DAVID	KSSXJ	207 E. DOWDEN	MUSTANG OK 73064	376-3902
COOK ODE	W5JFT	508 W CHOCTAW	BROKEN BOW OK 74728	-	FERNAND GALIANA	COCO	4234 WILLOWISP DR.	NORMAN OK 73069	329-4733
CORNELIUS JON	WSPHD	2206 NW 23RD	LAWTON OK 73505	353-8329	FIELDS FRANK	KBOGJ	8313 NW 37	BETHANY OK 73008	789-8459
CORNELSEN ABE	W5LHU	624 N TAFT	ENID OK 73701	234-4104	FIELDS KENNETH	KSVFN	BOX 435	MCLOUD OK 74851	391-5304
CORNELSON TIM	KASOHU	BOX 2729	NORMAN OK 73070	360-0944	FIELDS ROBERT	W5ALG	215 PINE TREE LN	NORMAN OK 73069	329-7391
COUFFER CHARLES	K5RRD	29 GLENDA DRIVE	YUKON OK 73099	354-3385	FINLEY ROBERT	COCO	11708 PRICE DR	MOORE OK 73170	691-5800
COURTIGHT BILL	K06AH	143 CARDINAL	NEW BRAUNFELS TX 78130	-	FISH JOHN	K5GBN	BOX 176	CALUMET OK 73014	893-2227
COX DAVE	WBSN	1812 S UMBRELLA CT	BROKEN ARROW OK 74012	-	FISH MARGARET	WASRLP	BOX 176	CALUMET OK 73014	893-2227
COX EVERETT	W5OXJ	9624 CASTLE RD	OKLA CITY OK 73132	721-4617	FISHER DONALD	WBSKB	BOX 137	SUMMERSVILLE MO 65571	-
COX JAM	K5ZHD	9624 CASTLE RD	OKLA CITY OK 73132	721-4617	FISHER MONTIE	WASTSL	808 BRETT	EDMOND OK 73034	-
CRAWER PETER	COCO	716 BRIARCREST	MIDWEST CITY OK 73110	737-0859	FITZGERALD C.K.	WBSZKY	2530 NW 56	OKLA CITY OK 73112	842-9608
CRAWFORD DICK	W5DFT	4103 SE 14	DEL CITY OK 73115	677-0170	FLETCHER JAMES	W5WPA	RT 1 BOX 319	NEWCASTLE OK 73065	387-4356
CREECHMORE FRANK	K5ZFF	8509 EASTERN	OKLA CITY OK 73131	478-0273	FLOWERS FRED	COCO	3017 N.W. 35	OKLA CITY OK 73112	946-0980
CRENS MIKE	W5DOB	5709 NW 115	OKLA CITY OK 73132	722-2638	FOILES DELBERT	WBSYRN	1703 RICHWAY	PONCA CITY OK 74601	762-4479
					FORD GERRY	W5SC	402 - 15TH	WOODWARD OK 73801	256-5342
					FORD ROD	WBSOVT	PO BOX 253	GAGE OK 73843	923-3081

FORREST LEE	USHLZ 6208 SE 8	MIDWEST CITY OK 73110	737-2314	HERNANDEZ ART	NSGRI 925 CLEAR CREEK	YUKON OK 73099	354-9724
FOSS JIMMY	COCO 505 NE 20	MOORE OK 73160	-	HERRON CLARENCE	WOKUJ 3417A BELT AVE	ST LOUIS MO 63120	-
FOSTER ELLARD	WVKE 5905 NM 42	OKLA CITY OK 73122	789-6702	HESS LEROY	KSJBJ 3212 NM 66	OKLA CITY OK 73116	843-1339
FOX HOMER	COCO RT 1 BOX 130	CHELSEA OK 74016	342-1625	HILBUN R.L.	COCO 8109 WILLOW CREEK	BLKLA CITY OK 73132	722-4176
FRANKS JEN	MSMPC BOX 1159	BETHANY OK 73008	495-1494	HILLSTROM ORLIE	KDSSQ 901 NM 14TH	MOORE OK 73160	794-2064
FRANKS JEN	MSMPC STAR RT BOX 8A	OVERBROOK OK 73453	226-1950	HILLSTROM TIMOTHY	KASLIL901 NM 14	MOORE OK 73160	794-2064
FRANKLIN GLEN	KSLDL 512 S WACOMB	EL RENO OK 73036	262-3573	HINES JANICE	WASVJG RT 2 BOX 478	OKLA CITY OK 73114	478-1583
FREELAND ROYDEN	MSKDC 2920 MORGAN RD H.E.	PIEDMONT OK 73078	373-2660	HINES WILLARD	MSRUG RT 2 BOX 478	OKLA CITY OK 73114	478-1583
FREEMAN JAMES	COCO 2121 SM 85	OKLA CITY OK 73159	685-2210	HODGES SONNY	NSAKH BOX 67	FORGAN OK 73938	487-3421
FREEMAN RANDY	WASNSH 3400 VENICE BLVD	OKLA CITY OK 73112	947-6591	HOFF J. LESLIE	KSWYE 110 SM 49	OKLA CITY OK 73109	-
FRIEDHOFF SAM	MSBX1 BOX 10	KAN OK 74641	-	HOFFERBER CHARLES	NSPNU 8003 NM 32	BETHANY OK 73008	-
GALBRAITH MARK	NSEIH BOX 45651	TINKER AFB OK 73145	677-4945	HOGARD LEO	NSBZO 1625 MEADOWBROOK	PONCA CITY OK 74601	762-3905
GALBRAITH MARK	NSEIH 509 E. NORTHROP	MIDWEST CITY OK 73110	-	HOGARD TIM	COCO 1625 MEADOWBROOK	PONCA CITY OK 74601	762-3905
GAMBLE BOB	NSGRA 5421 HUDDLESTON DR	OKLA CITY OK 73135	672-9294	HOGUE A.L.	NSLJL 3109 OLD BALLARD RD	TYLER TX 75701	-
GANT JACK	WSON 521 MONROE ST H.W.	ARDMORE OK 73401	223-2619	HOLCOMB HOLLIS	NSABL RT 5 BOX 25	BLANCHARD OK 73010	387-9267
GARDNER TOM	KSKZV RT 5 BOX 155	GUTHRIE OK 73044	-	HOLDEN JAMES	COCO 3316 OAKBROOK DR	DEL CITY OK 73115	677-0065
GARLAND JOE	WASFLT BOX 204	CALUMET OK 73014	893-2660	HOLDER DAVID	NSGOV 901 NM 45	OKLA CITY OK 73118	524-4711
GARTSMAN HARRY	MAATC 9921 SUNSET BLVD	BEVERLY HILLS CA 90210	-	HOLDING MAURICE	KSAJM 2736 SM 53	OKLA CITY OK 73119	685-3803
GAUNCE CHARLES	A 1706 B W. ROBINSON	NORMAN OK 73069	360-3077	HOLLAND BILL	COCO RT 5 BOX 384J	OKLA CITY OK 73169	745-3392
GEORGE PRESTON	KSCBA 1812 S. RANKIN	EDMOND OK. 73034	341-0751	HOLLAND WILLIAM	KASMR BOX 243	SPENCER OK 73084	235-2957
GERBER SID	MSKOZ 829 EAST BOUSE	MIDWEST CITY OK 73110	737-1050	HOLLAR DAVID	KASFND 710 S 10	KINGFISHER OK 73750	375-4411
GIBSON D.C.	WSJBA 216 BURK WAY	OKLA CITY OK 73115	677-4243	HOLLAR SUSAN	KASFOC 710 S 10	KINGFISHER OK 73750	375-4411
GIBSON DAVID	KASJ 413 QUAIL RIDGE RD	NORMAN OK 73069	329-8863	HOLLEY CARDIS	COCO 1741 E RIDGEVIEW	TERRESTANG OK 73064	745-3596
GILBERTSON HAROLD	NSRB 4515 S SANTA FE RD	OKLA CITY OK 73109	634-4822	HOLLEY WAKEFIELD	KESJG 2524 NM 34	OKLA CITY OK 73112	943-5600
GILBERTSON HAROLD	NSRB BOX 94003	OKLA CITY OK 73143	634-4822	HOLT EUNICE	A 4420 NM 19	OKLA CITY OK 73107	942-3450
GILKES FRANK	COCO 1512 S.W.71	OKLA CITY OK 73159	681-5846	HOLZMAN HARRY	KASGHL 23 S.E. 39	OKLA CITY OK 73129	634-9889
GILLESPIE GEORGE	KASOMU 1836 E CIRCLE DR	CHOCTAW OK 73020	390-8432	HOLZMAN TONY	MSPNH 15825 S E 59	CHOCTAW OK. 73020	391-3398
GILLIAN BETTY	MSPMG 1400 ADAMS	ALTUS OK 73521	482-7494	HOPKINS ARVEL	WASLJE 2933 SM 65	OKLA CITY OK 73159	681-3175
GILNER RALPH	MSBBV BOX 357	MANGUM OK 73554	782-2617	HOROWITZ CARL	WBSOK 1801 LOGAN DR	NORMAN OK 73069	360-1819
GLASS GEORGE	WASRU 13422 ROKA CIR.	NEWALLA OK 74857	391-6157	HOUSTON DOYLE	WASYO RT 1 BOX 71A	GEARY OK 73040	-
GOODARD DAN	COCO BOX 246	GERONIMO OK 73543	-	HUBBARD BILL	WSHR 3300 NE 36	OKLA CITY OK 73121	427-2537
GOODARD KEN	WASDTL 3809 N GERALDINE	APTOKLA CITY OK 73112	942-4337	HUBBARD W.E.	WSHR 1111 N. LEE	OKLA CITY OK 73103	236-3917
GOODHEAD ROBERT	WASCHN 11017 ST CHARLES	OKLA CITY OK 73132	-	HUCKABY JOHN	KSGDR 2317 KNOX DR	DEL CITY OK 73115	677-6353
GOODRIGHT GERALD	COCO RT 1 BOX 414A	NEWCASTLE OK 73065	387-5249	HUGHART DR. MARSHAL	XLINIC 15700 VICKER	HOUSTON TX 77032	-
GORDON HERSCHEL	NSAM 5100 SE 58 PL.	OKLA CITY OK 73135	677-3912	HUMPHREYS BILL	NSJYT 921 NM 87	OKLA CITY OK 73114	842-0622
COVER SAM	WASMO 5400 S LEE	OKLA CITY OK 73109	634-2510	HUNSEBERGER PHILLIP	KPNT 285 CEDAR AVE	ALTUS AFB OK 73521	482-2548
GRAHAM DON	WASTAN 4715 CHURCHILL DOMNS	NORMAN OK 73069	364-9457	HUSTAK JOE	WASZNO 6821 NM 27	BETHANY OK 73008	789-8587
GRAHAM ROBERT	WBSNSV 3317 SE 24	DEL CITY OK 73115	677-8485	HUTCHERSON STEVE	WBSCTS BOX 20829	OKLA CITY OK 73156	755-8699
GREEN JOE	KASANO 915 THISTLEWOOD	NORMAN OK 73069	364-4301	HYATT JOE	WASGK 914 S MAIN	KINGFISHER OK 73750	375-3783
GREEN NORMAN	WSDTX 1930 WINDSOR DR	DUNCAN OK 73533	252-4519	HYATT MARY ANN	WASNF 914 S MAIN	KINGFISHER OK 73750	375-3783
GREENE CHARLES	WASJGU 3028 NM 33	OKLA CITY OK 73112	943-5631	IMAN JACK	WBSVN 1025 SE 42	OKLA CITY OK 73129	677-8537
GREENSHIELDS JAMES	MSDFU319 WOODCREST DR	NORMAN OK 73071	321-9981	INLAY GEN COUNCIL	CHRISA1302 18TH ST NM	WASHINGTON DC 20036	-
OREG EARL	NSAME 1732 NM 35	OKLA CITY OK 73118	525-2870	INGLE ALFRED	COCO 11201 TRACY CIR	NORMAN OK 73071	321-5556
GRIFFIN BOB	WBSVA 1733 TIVERTON	ARDMORE OK 73401	223-8741	INNIS FRED	WBSKB RR 2 BOX 307L	ARDMORE OK 73401	223-1709
GRIFFIN CLINT	WSZTG 2313 MICKEY ROAD	DEL CITY OK 73115	677-1758	IRICK FRANKLIN	WDSHC 2801 ELMHURST	OKLA CITY OK 73120	848-0313
GRIFFIN LARRY	WBSNYX 306 E KEY BLVD	MIDWEST CITY OK 73110	733-8110	IRTON MICHAEL	COCO 2408 S. EVANS	EL RENO OK 73036	262-0774
GRIFFITH JOHN	WASUOY RT 2 BOX 686	PONCA CITY OK 74601	762-4474	IRONS MIKE	NSFFD 428 N.W. 22	OKLA CITY OK 73103	-
GRIGGS WILLIAM	NSCJH 504 E ST. LOUIS	METUMKA OK 74883	452-3408	IRWIN HERMAN	WONBH 4345 SE 12	DEL CITY OK 73115	677-1309
GRIMES LEROY	KBSRJ 2707 GRIMES AVE	EL RENO OK 73036	262-1186	IRWIN JERRY	WAGLD 12640 PEPPER TREE	PLOKLA CITY OK 73142	722-6016
GRIMES MARY	WASUCJ 2707 GRIMES AVE	EL RENO OK 73036	262-1186	ISAACS SAM	WSUGA 1305 W CEDAR	DUNCAN OK 73533	255-9221
GRINNEL RICHARD	KASTTH 6608 WILLOWRIDGE	OKLA CITY OK 73122	721-3991	ISRAEL HENRY	NSIH 10301 BASSWOOD CANYO	OKLA CITY OK 73132	722-3848
GROTHE LARRY	NSDBO 7800 NM 26	BETHANY OK 73008	789-7298	IVERS JOHN	WASTFR 1517 RAMADA DR	HOUSTON TX 77062	-
GRUMMER KEN	KASPRJ 11105 COACHMAN RD	YUKON OK 73099	373-2894	JACKSON MARGARET	KSPGX RT 1 BOX 314	LEXINGTON OK 73051	-
GUY CHARLES	WAZNOC BOX 1042	BETHANY OK 73008	721-2725	JAMET DANIEL	COCO 2828 SW 86	OKLA CITY OK 73159	681-5794
GUY TERRY	COCO 1012 RICHMOND	YUKON OK 73099	354-6551	JANDA BOB	KASAFH 1909 EDGEWOOD	EDMOND OK 73034	341-2046
GUYER EDITH	NSFHM 628 N DALLAS	MOORE OK 73160	794-7398	JANKA RAY	WSREY 2708 WINDSOR BLVD	OKLA CITY OK 73127	942-4146
GUYER HAROLD	KASLMY 628 N DALLAS	MOORE OK 73160	794-7398	JEDLICKA PHIL	WDOED 8368 24TH AVE S.W.	NORMAN OK 73069	360-7973
HAFTMAN MIKE	COCO 2116 QUEENSBURY RD	MOORE OK 73160	793-9381	JENNINGS GARLAND	WWSY 3908A NM 10 LOT 17	OKLA CITY OK 73107	949-0506
HAGGLUND H.E.	A 1619 HAMTHORN	NORMAN OK 73069	364-3877	JENSON ROBERT	WSTGV RT 2 BOX 375	MOUNTAINBURG ARK 72946	-
HALL A.E.	WBSRP 2508 NM 58 PLACE	OKLA CITY OK 73112	843-6890	JESSUP BILL	WSEHR 11824 AZALEA CT	PIEDMONT OK 73078	373-2408
HALL PHIL	KCSJJ RT 2 BOX 1441	HARRAH OK 73045	454-2085	JESSUP ED	WBSRH 11824 AZALEA CT	PIEDMONT OK 73078	373-2408
HALLENBECK W.D.	WHPD 1030 SHERIDAN RD	MOUNT DORA FL 33757	-	JESSUP KEN	WSEIO BOX 12140	FT. WORTH TX 76116	-
HALLT JOSEPH	WSPND 2714 CYPRESS AVE	NORMAN OK 73069	321-2099	JESSUP N.P.	WSEHR 11824 AZALEA CT	PIEDMONT OK 73078	373-2408
HALLEY O.E.	WBSGOC RT 3 BOX 238	TUTTLE OK 73089	392-5486	JETTON BOB	COCO 5003 NM 20	OKLA CITY OK 73127	942-0809
HALLEY ROSEMARY	KASODI RT 2 BOX 238	TUTTLE OK 73089	392-5486	JOHNSON BILL	WDSBKU 4205 NM 33	OKLA CITY OK 73112	946-7753
HALLMARK C.L.	WSZNM BOX 2331	PONCA CITY OK 74602	762-8620	JOHNSON BOB	COCO RT 3 BOX 70C	BLANCHARD OK 73010	222-0867
HAMILTON GLENN	KESES 415 R ST. S.W.	ARDMORE OK 73401	226-4379	JOHNSON CARL	WOGAJ 6405 N. COLLEGE	OKLA CITY OK 73132	721-5913
HAMMOND STEVEN	COCO 624 NM 28TH	OKLA CITY OK 73103	943-5683	JOHNSON GENE K.	WDSGTC 1632 VINE ST	NORMAN OK 73069	321-6759
HANLEY J.	COCO 3409 SOUTH 101	OWAHA NE 68124	-	JOHNSON THAD	A 1208 NM 42	OKLA CITY OK 73118	525-6125
HANSON HAROLD	WSLPV 937 NM 104	OKLA CITY OK 73114	751-6097	JOHNSON TOM	KASFUJ 1702 FEDDERSON DR	EL RENO OK 73036	262-5631
HARDIN LARRY	WASBTO 5708 NM 86	OKLA CITY OK 73132	721-5598	JOHNSTON C. GORDON	WDSBHW7213 CROWN POINT RD	OKLA CITY OK 73132	787-9070
HARDING JOE	WASZNF 1020 ARTHUR DR	MIDWEST CITY OK 73110	737-1044	JOHNSTON E.R.	A RT 2 BOX 83	MOORELAND OK 73852	-
HARGROVE LOYD	ABSI 6112 SE 10	MIDWEST CITY OK 73110	732-3841	JONES BILL	KSAMO 5021 BUDDY LN.	OKLA CITY OK 73119	-
HARGROVE ROBERT	KASAM 241 E. KERR	MIDWEST CITY OK 73110	732-5227	JONES BILL	WLTJ 12629 TEAKWOOD	EDMOND OK 73034	771-3198
HARRIS EUGENE	WSAEF 4301 NM 15	OKLA CITY OK 73107	946-7023	JONES DON	KSKUP 3444 SW 39	OKLA CITY OK 73119	685-2380
HARRIS JOHN	WDSOLF 1900 SMOKEY HOLLOW	REDMOND OK 73034	348-3148	JONES DONNIE	COCO 2342 SW 29	OKLA CITY OK 73119	634-1124
HARRIS SHERWOOD	WASTYG 1216 N LEE	ALTUS OK 73521	482-0402	JONES GORDON	WSOU BOX 73	NORMAN OK 73070	329-6075
HARRIS TRAVIS	KSDZY 3840 NM 31ST	OKLA CITY OK 73112	942-3797	JONES JAMES	KSPK 1021 SW 61	OKLA CITY OK 73139	-
HARRISON ROD	WBSOSH 8809 N MACARTHUR	TEROKLA CITY OK 73132	722-0911	JONES PERRY	WMSGZ 711 N 5TH ST	WEATHERFORD OK 73096	772-6063
HARTER DAVE	WBSHIF 1628 W MAIN	OKLA CITY OK 73106	751-4450	JUMP RODNEY	KDSTS 8709 S LINN AVE	OKLA CITY OK 73159	681-7350
HARTER DAVID	WBSHIF 1628 W MAIN ST	OKLA CITY OK 73108	-	KAISER DAVL	KASNDI 7504 NM 27	BETHANY OK 73008	495-3690
HATCHETT MINDLE	WASPLN PO BOX 11	FT SUPPLY OK 73841	766-3561	KARHU EDWIN	WSKJ 2725 NM 65	OKLA CITY OK 73116	842-5807
HATHCOCK RON	KASEHR 704 CHERRY VALE	EDMOND OK 73034	348-4048	KEARNS JIM	WASLFH 11009 WEST COUNTRY	OKLA CITY OK 73170	691-8555
HAWKINS DICK	WSFW 1408 BELL AVE	LAWTON OK 73501	-	KEELING J.D.	WASTON 300 N FRETZ	EDMOND OK 73034	341-4496
HAWKINS ERNA	WSPAN 1408 BELL AVE	LAWTON OK 73501	-	KELLEY LOUIS	NSENC 5013 NM 19 TERR	OKLA CITY OK 73127	942-0955
HAYTON JR THOMAS	WSJRF RT 1 BOX 145	OKLA CITY OK 73111	478-2577	KELLEY ROBERT	WSTVU 3400 BROCK DR	OKLA CITY OK 73119	632-8433
HAZELWOOD CHESTER	MSDL RT 4 BOX 608	OKLA CITY OK 73121	427-1439	KELLY JOE	WSLFK 300 W MAIN ST	MOORE OK 73160	794-8072
HAZELWOOD LARRY	WENZS BOX 54437	OKLA CITY OK 73154	848-6400	KENDRICK KEN	WSECCJ BOX 20567	OKLA CITY OK 73156	751-4917
HEITHECKER L.F.	WSEJ 1409 COOPER DR	IRVING TX 75061	251-1418	KENNEDY STEWARD C.	KSJXH 1109 S 15 ST	CHICKASHA OK. 73018	224-4362
HELMS ROBERT	AF32 434 W ERCOPE DR	MIDWEST CITY OK 73110	733-3429	KENNEDY WILLIE	WSUCH RT 1 BOX 454	NOBLE OK. 73068	329-0914
HENDERSON BELINDA	KASHIZ 2332 NM 112 TERR	OKLA CITY OK 73120	755-0362	KENNEDY JR WILLIAM	COCO 7616 CLAYTON DR	OKLA CITY OK 73132	721-9330
HENDERSON RANDY	KASSUZ 10809 NE 17	OKLA CITY OK 73141	769-3733	KERCHERSID MICHAEL	KASFT818 W EURANKS	OKLA CITY OK 73118	521-9129
				KERR JAMES	WBSIK 4109 NM 31ST	OKLA CITY OK 73112	947-7098
				KESLER DAN	COCO 1616 SW 34	OKLA CITY OK 73119	632-3825

KETCHERSID MICHAELKASJFT3724 N BRYAN	BETHANY OK 73008	521-7127	MAUPIN CHARLES	USONH 2124 SH 68	OKLA CITY OK 73159	685-6768
KELN LARRY	KUSJK 7700 NM 27	789-4097	MAUPIN DOUG	MSSEGZ 618 - 9TH	WOODWARD OK 73801	256-5842
KIDD EDWARD	KESLD 10824 GREYSTONE	751-5094	MAY BOB	MSRC 1208 NM 122	OKLA CITY OK 73114	751-2048
KIDD JENNA	KASDAU 10824 GREYSTONE	751-5094	MAYOR WILLIAM	MSCCX 2717 N.W. 110	OKLA CITY OK 73120	755-1122
KIDSON CHARLES	KASPRC 1126 HENSTEAD PL	842-9562	MCCAFFREY RAYMONDMSVEJ	1405 LOCUST	MUSKOGEE OK 74401	-
KING CHARLES	MSKMK 6009 NM 56	789-4836	MCCALLAND DEWEY A	1008 IDYLWILD DR	HIDWEST CITY OK 73110	737-6084
KIRBY NATHAN	KAINH 2435 W PLACITA CARLOTUSCON AZ 85745	-	MCCANN DON	MSPTY RT 1 BOX 227	WISTER OK 74966	677-2247
KIRKPATRICK HILLSKASHKT	1232 SH 31	-	MCCANN MIKE	KASTDA 4105 CUNNINGHAM	OKLA CITY OK 73135	672-0817
KWAPPE G.K.	MSGN 308 W JARMAN	737-2962	MCCOLLUM O.G.	MSHZN 309 TTH HOLT DR	HARRAH OK 73045	454-2381
KNECHTLY TIMOTHY	MSRTEV 7147C HOLDEN DR	733-8754	MCCOLLUM FRANK	KASTVF 517 W CENTRAL	FAIRVIEW OK 73737	227-3672
KOLAKOWSKI DAN	COCO 3804 NM 70	843-5832	MCCORD PAUL	MSFM 2421 NM 113	OKLA CITY OK 73120	751-3577
KOWAR PAUL	MSCOG 11780 E ROBIN DR	769-2828	MCCORD JR PAUL	MSFL 1316 MALLARD DR	DEL CITY OK 73115	677-6987
KRAMER KLAUS	KASINP 2212 S.W. 29	631-7223	MCCORD JR PAUL	KASOHB 1316 MALLARD DR	DEL CITY OK 73115	677-6987
KULCSAR JULIUS	KBJK 5893 JAYCOX RD	-	MCCORMICK GARY	MSSTV 5012 NM 25	OKLA CITY OK 73127	946-2898
KYKER JR HENRY	MSABK 809 CAMPBELL	223-3585	MCCORMAN CHARLES	MSBUX 226 MINOSA DR	NORMAN OK 73069	321-1061
LABOR RELATIONS DR. FRAMPD	BOX 25082	-	MCCOY BOB	MSBUJ 421 HOLLY HILL RD	EDMOND OK 73034	348-2032
LACOSTE JIM	COCO 2136 NM 25	524-2702	MCCRAWLEY JOHN	MSDFG 1502 S 9TH	CHICKASHA OK 73018	224-2525
LADD CALVIN	MSFX 109 E MYRTLE DR	732-2473	MCCUBBIN JR. RONALDCOCO	3416 BAIRD DR.	EDMOND OK 73034	341-0591
LADD JOAN	MSJPJ RT 1 BOX 142	995-4737	MCDONALD JAMES	K70ET 1229 SNOWBANK CT.	LONGMONT CO 80501	-
LADALY GEORGE	MSNTL 7920 NM 18	789-4073	MCDONALD JOE	MSCCV 425 W MONROE	MANAM OK 73554	782-3454
LADINJA TOM	COCO 808 S CHUCKWAGON DR	376-1366	MCDONN DON	MSNO 305 W PRATT DR	MIDWEST CITY OK 73110	732-6749
LAND DAVID	KDSFX 2512 BONNIE	762-8616	MCELROY HOWARD	MSFIN 701 S JENKINS	NORMAN OK 73069	321-2109
LANGER LAWRENCE	MSZKV 4816 NM 34	942-3733	MCELROY MICHAEL	MSDPH 5507 NM 66	OKLA CITY OK 73132	722-2466
LANGHAM PERRY	MSGOH 2246 N.E. 14	427-1307	MCENDREE DEANNA	MSDHH 1912 CANARY	ALTUS OK 73521	482-6777
LANGHAM PERRY	MSGOH BOX 269	427-1307	MCFALL TERRY	COCO 933 NM 6	MOORE OK 73160	794-3531
LANGLEY DAVID	MSDYV RT 1 BOX 571-7	-	MCGINTY FATHER JOHNMSHIDOX	32180	OKLA CITY OK 73123	721-1078
LANGMACHER ROBERTCOCO	RT 1 BOX 153	352-4035	MCGLYNN SUE	KESOH 3741 ROXBURY	OKLA CITY OK 73132	722-3407
LANGMACHER RON	COCO RT 2 BOX 20	654-1015	MCINTOSH KENT	MSHID RFD	SHATTUCK OK 73858	938-5165
LANKFORD CRAIG	MSB820 4201 N GEORGIA	521-7795	MCKIN WILLIAM	MSRNP 604 N JUNIPER AVE	HIDWEST CITY OK 73130	942-0026
LANSFORD RICHARD	KESJF 10917 N 173 E.	-	MCKINSEY JOE	MSYPH 3320 NM 41	OKLA CITY OK 73112	947-6351
LASH LEE	MSVZY 10724 MAJOR AVE	755-0577	MCKISSACK H.R.	MSIDB 4334 NM 53	OKLA CITY OK 73112	947-6351
LATHAM DAVID	COCO 4936 N.W. 26	-	MCLAUGHLIN JOHN	MSSEA 1305 N. ANITA	OKLA CITY OK 73127	495-2728
LAW LEMMY	KASPNF 2712 NM 120 TERR	751-2967	MCNEELY T.J.	MSJUB 5805 NM 31	OKLA CITY OK 73122	946-4524
LAWSON BART	KESRB BOX 381	994-5940	MORAY WALLACE	MSSTAN PO BOX 151	SEMINOLE OK 74868	382-5221
LAWSON JOHN	COCO 7894 N.W. 40	787-5860	MCHORTER PERRY	KSURJ 3418 NM 29	OKLA CITY OK 73107	946-1532
LAYE CHARLIE	MSFFL RT 1 BOX 245K	-	MEADOR GENE	COCO 8501 S BROOKLINE AVEOKLA CITY OK 73159	-	-
LEACH C.H.	MSF1J 912 KENILWORTH	848-0789	MEADOWS KARY	COCO 2054 CANADIAN	MUSTANG OK 73064	745-2400
LEE GEORGE	MSBAJ 2410 NM 34	946-2754	MEDDERS DAVID	KSPL BOX 5867	NORMAN OK 73070	340-4292
LEMAR JIMMY	KESRC 505 S POWELL	665-2776	MEERS OLIVER	MSOOC BOX 236	SHUTTER OK 73566	569-2709
LENIOR KEN	MSSTG 8208 N.W. 26	495-3683	MEREDITH MARK	A 2113 BLUE CREEK PIONORMAN OK 73071	321-0924	-
LESLEY CARL	MSOJD 18280 N.E. 10TH	454-3194	MERLYN JOHN	MSFZD 517 13TH AVE N.W.	ARMORE OK 73401	223-9543
LESTER MARY	MSBOG 3001 QUAIL CREEK RD	751-1903	MERRILL KYLE	KASLBH 204 RANDOLPH	CLINTON OK 73601	323-6629
LEWAND MARC	KBSIT 7300 NM 19	787-6126	MEYERS R.E.	MSW1Z 717 ANDERSON WAY	SAN GABRIEL CA 91776	-
LEWIS DON	KSCITJ 828 KELLI DR	623-4551	MILAVIC JACK	KASHEP 6608 EDENBOROUGH #22OKLA CITY OK 73132	722-2665	-
LIBRARY FAA AERO CENTERAPO	BOX 25082	-	MILMOLLON SHERMANCOCO	8700 BOB WHITE RD	YUKON OK 73099	354-6333
LIEBHANN GUY	KSL 3128 LAKEVIEW MANOR	787-9547	MILLER ERNIE	MSHIM 1710 W BROADWAY	ARMORE OK 73401	223-3626
LIEBHANN J.G.	KSL 2224 MORGAN RD	373-3758	MILLER FRAN	MSHIL 1710 W BROADWAY	ARMORE OK 73401	223-3626
LIESENFIELD ROBERTHPOPO	1230 BRYANT #17	-	MILLER IVAN	MSHFU 4513 NM 31	OKLA CITY OK 73122	942-4160
LIESENFIELD VINCE	MSUXR 1633 WESTBROOKE TERRNORMAN OK 73069	364-4137	MILLER JIM	COCO 3413 MEADOWBROOK DR.	MIDWEST CITY OK 73110	733-8677
LINGLE WILLIAM	MSFAM 3105 NM 39 TERR	943-2792	MILLS ROY	MSOXX PO BOX 10506	HIDWEST CITY OK 73140	-
LISHAN STAN	MSHMF 1213 MARY LEE LANE	341-8166	MINKS RODNEY	MSHIC 1505 S.E. 12	MOORE OK 73160	794-5313
LITTLE DENNIE	COCO RR #2	654-1462	MIZE DEE	MSFHR 622 SH 7	EDMOND OK 73034	341-6163
LOCKE C.E.	KASDCG 309 NM 85	842-0814	MOLLEDAHL JAMES	KBSLS 320 SATURN	ALTUS OK 73521	482-7938
LOE LARRY	COCO 7165C HOLDEN DR.	732-6903	MONNET JULIEN	KASNC 1606 ELMHURST	OKLA CITY OK 73120	-
LOELIGER DON	MSUHH 6320 NM 85	721-3963	MOONEY JOHN	KASJCH 113 S ENGLISH	MOORE OK 73160	794-6519
LOESCHMAN A.J.	MSHGR 2422 HILLTOP	553-4250	MOORE BILL	KSHIF 2037 NM 44	OKLA CITY OK 73118	842-4037
LOFSTROM OSCAR	MSHRH 5109 NM 19 TERR	947-3685	MOORE BOB	KASEA 1100 S MORGAN	MOORE OK 73160	799-1765
LONG RAY	MSY 3207 NM 47	942-4314	MOORE EDD	MSOLC BOX 1235	PURCELL OK. 73080	527-3714
LONG RICK	KDORA 9-301 455 WRIGHT	-	MOORE GEORGE	KSUHZ 1219 COLORADO	CHICKASHA OK. 73018	224-3861
LOVE JERALD	MSABF 4517 SE 27	677-1078	MOORE H.J.	K7BSY RR 1	WILLON OK 73673	683-4230
LOVE LESTA	MSAH 4517 SE 27	677-1078	MOORE LINDA	KASNV 1100 S. MORGAN	MOORE OK 73160	799-1765
LOVEGROVE JACK	MSVAE 4432 N.W. 11 TERR	946-2966	MOORE MIKE	MSDZH 10524 NM 15 PL	YUKON OK 73099	354-9543
LUSK GAYLA	KASUYR 1716 - 7TH	256-3632	MOORE ROBERT	MSHM 6901 N. BARR	OKLA CITY OK 73132	721-6142
LUSK MYRON	MSHRA 1716 - 7TH	256-3632	MOORE RON	MSDEH 2225 RED ELH DR	EDMOND OK 73034	478-0049
LUTTRELL GEORGE	KASDFY 5901 S. STEVE AVE	672-5564	MOORE STEVE	KASPR 4121 NORTHWICH DR	NORMAN OK 73069	329-0275
LUTZ LOREN	COCO RT 5 BOX 557	745-3322	MOORE TOM	KSTXE 201 S. ELIZABETH	PAULS VALLEY OK 73075	238-7295
LUTZ ROBERT	KSAHU 4000 W LIBERTY	942-3077	MORGAN CHARLIE	MSCKB 9608 LYRIC LN	HIDWEST CITY OK 73130	-
LYON LEN	MSK10 3580 KINGS WAY	-	MORGAN DEWEY	COCO 1420 SH 52	OKLA CITY OK 73119	681-8473
LYON ROBERT	KSAVL 4409 MOFFORD RD	677-7200	MORGAN RUSSELL	MSYZA 1016 NM 7	MOORE OK 73160	799-6467
MAAS HERB	MSFOR 314 W JEFFERSON	782-5359	MORGAN SAM	MSBZY 500 E KERR	MIDWEST CITY OK 73110	732-9770
MACARTHUR ALLAN	MSME BOX 1231	872-8570	MORK HENRIK	COCO 4752 SE 43	DEL CITY OK 73115	670-4234
MACARTHUR DAVID	COCO 3317 SE 57	672-6210	MORRIS DON	MSHMH 3021 NM 14TH	OKLA CITY OK 73107	942-7306
MACDONALD D.C.	K2GKK 5120 SE 49	672-4947	MORRIS GLENN	KAMVM BOX 2156	CANYON COUNTRY CA 91351	-
MACDONALD JUDY	KASBUS 5120 SE 49	672-4947	MORRIS HERSHELL	KASNM 1109 MONMEE	NORMAN OK 73069	329-0364
MACKELVIE BILL	MSDBR 5908 N STERLING DR	721-5705	MORRIS SANDRA	KASOZD 5636 EVERGLADE RD	DALLAS TX 75227	-
MADDON EARNEST	MSFEX 3112 N. MCILLAN	789-6511	MORRISON FRANKLINMSJAY	1201 NM 107	OKLA CITY OK 73114	751-7739
MADDOX RICHARD	COCO 4120 SE 14	672-8162	MOTEL BILL	MSGXI 9009 NM 10 LOT 256	OKLA CITY OK 73127	787-7154
MADOLE SR R.L.	MSBNZ RT 3 BOX 2385	-	MULLICAN MARTIN A	1313 N.W. 6TH PL.	MOORE OK 73160	793-9832
MAGERS DOUGLAS	MSLHO 3109 NM 62	842-8571	MURAN ED	MSOYM 3100 NM GRAND BLVD	OKLA CITY OK 73116	842-5444
MAGERUS ROSS	COCO FT RENO PARK LOT. 144EL RENO OK 73036	-	MURPHY WILLIAM	MSACHJ 3499 SE 44TH #281	DEL CITY OK 73115	670-5022
MAHLER VICTOR	MSXAF 5307 WILLOWCLIFF RD	789-6288	MURR SAM	COCO 517 CONESTOGA DR.	YUKON OK 73099	324-6443
MAIER R.I.	MSRDE RT 1 BOX 423	586-2405	MURTA EDWARD	KSLL 4408 NM 47	OKLA CITY OK 73112	946-9200
MALONE BILL	MSHIM BOX 456	-	MUSE JACK	MSBZK 10100 S SHARTEL DR	OKLA CITY OK 73139	691-1152
MANGHAM TOM	KSLEI 3913 S MAPLE	677-5291	MUSSER DENNIS	KASGTH 319 NM 26	OKLA CITY OK 73103	524-4760
MANKIN HAVEN	KBSXH 425 NM 38	524-0004	MYRICK BILL	MSGO 1120 N TEXAS	ADA OK 74820	332-4703
MANKIN MARY LOU	KBSH RT 2	484-5487	NAILON GENE	KSOLE RT 5 BOX 135	GUTHRIE OK 73044	341-8289
MARCH RAY A.	MSBDM 12100 S.W. 39	376-3165	NELSON CLYDE	MSHWC 1104 SH 65	OKLA CITY OK 73139	634-6077
MARSH LARRY	MSBUC 2008 HILLCREEK RD	348-7000	NELSON JOHN	MSAVK 2001 TEXAS ST	NORMAN OK 73071	321-8566
MARSH WAYDON	MSHMK 3129 ETON AVE	942-1435	NEPTUNE KEN	KASEFJ 2614 S BERRY	NORMAN OK 73069	321-7789
MARTIN FRANK	KSKCJ 800 ASA LEE	482-1439	NEUBERRY KEN	K561 2824 SW 55	OKLA CITY OK 73119	682-6750
MARTIN REETA	KASSLY RT 1 BOX 156A	227-3013	NEWCOMB TED	MSHMO 11216 N BRAUER	OKLA CITY OK 73114	751-2801
MASCHINO GEORGE	KSGGL RT 2 BOX 24	263-7614	NEVER LEO	KOLOT 2617 LOST TRAIL RD	EDMOND OK 73034	341-3390
MASTENA GEORGE	MSGFG 804 COGSWELL CIR	341-5273	NICAR RED	NMSU BOX 403	EDMOND OK 73083	341-2792
MAULDIN TIM	MSLTH 3033 SH 60	-	NICHOLSON LARRY	COCO 4101 NH EXPRESSWAY	OKLA CITY OK 73116	848-8089

NOAH LUKE	KASBY 1125 BRANDYWINE LN	NORMAN OK 73071	364-6606	ROGERS WILLIAM	WASRAQ 1121 SW 53	OKLA CITY OK 73109	632-4375
NOAH LUTHER	N581S 6947 E. 6	TULSA OK 74112	838-7188	ROMINE LARRY	WDSDFK 3913 SE 25	DEL CITY OK 73115	677-0002
NOBES CHARLES	K8UTY BOX 3092 MCLB	ALBANY GA 31704	-	ROOKER DONALD	NOSH 7014 NW 61	BETHANY OK 73008	721-2119
NOLAND BILL	WASFWD 412 S 10TH	YUKON OK 73099	354-5018	ROPER BILL	KSEKC 906 VILLA DR	WATONGA OK 73772	623-5934
NORTH CHARLES	NSEYD 118 N OSAGE	PONCA CITY OK 74601	765-8136	ROSE DANIEL	NSHAG 4015 ANCHOR DR	OKLA CITY OK 73107	946-9307
NORTHCUTT MARK	WDSBYI 1509 BARCLAY RD	OKLA CITY OK 73120	755-4672	ROSE SIDNEY	WASTAR 3812 NW 27	OKLA CITY OK 73107	946-5719
NORTHCUTT WINSTON	WDSSETB BOX 38	CEMENT OK 73017	489-3661	RUHL RICHARD	WDSGLD RR 2 BOX 71	KINGFISHER OK 73750	375-4843
NORTHERN BOB	NSGKI 751 W JANIPIER DR.	MUSTANG OK 73064	376-4287	RUYNON ROBERT	AAOD 6013 TIPI RD RFD 2	YUKON OK 73099	373-1818
NORTHERN ELISE	KASSVE 751 W JANIPIER DR.	MUSTANG OK 73064	376-4287	RUSSELL LOUIS	KDSHA 503 SUNBURST	NORMAN OK 73069	321-4036
O'BRIEN ED	KASORR 11612 N. VICTORIA	OKLA CITY OK 73120	751-4070	RUSSELL LOUIS	KDSHA BOX 1203	NORMAN OK 73070	321-4036
OBORSKY ROBERT	COCO 7014 NW 59	BETHANY OK 73008	721-0445	RYAN E.L.	KASOMS 1408 JOHN RD	ARDMORE OK 73401	226-0773
OLDFIELD ED	WSAYL 2221 NW 26	OKLA CITY OK 73107	528-1708	RYAN ROGER	WASJXX BOX 459	NORMAN OK 73070	364-6848
OLIVER BERNA	N7BND BOX 416	GOLD BEACH OR 97444	-	SALEM MICHAEL	NSHS 1324 LINCOLN	NORMAN OK 73069	366-1234
OLIVER BILL	KSKOR 414 WESTCHESTER CIR	NORMAN OK 73069	329-6333	SAMPLE LEWIS	COCO 7604 EMBASSY TERR.	OKLA CITY OK 73169	745-2872
ORCUTT DENNIS	WBS1SH 3201 S RANKIN	EDMOND OK 73034	340-0034	SANDERS BILL	KASJGF 302 EASTWOOD CR	ARDMORE OK 73401	223-1791
ORCUTT FRANK	A RT 2-9221 NE 122	JONES OK 73049	-	SAPPINGTON STEVEN	WSEOT BOX 336	HANGUM OK 73554	782-3655
PACE ROBERT L.	WASCJO 1726 W ROSE OAK DR.	MUSTANG OK 73064	376-3569	SARTORIUS CHRIS	KASHYY 7261 SKYLARK LN	OKLA CITY OK 73132	728-0059
PAINTON DENNIS	WSECH CHESTER STAR RT BOX	FAIRVIEW OK 73737	764-3599	SARTORIUS KEVIN	NSGVN 7261 SKYLARK LN	OKLA CITY OK 73132	728-0058
PAINTON MADINE	NSFMH CHESTER STAR RT BOX	FAIRVIEW OK 73737	764-3599	SARTORIUS TIM	KASHMT 7261 SKYLARK LN	OKLA CITY OK 73132	728-0058
PAPE PAUL	COCO 1610 OXFORD WAY	OKLA CITY OK 73120	848-1674	SAUNDERS DONALD	WDSISS 3008 CENTER ST	OKLA CITY OK 73120	751-0404
PARKS LEON	WDSKCD RT 1 BOX 36	REYDON OK 73660	-	SAVAGE JIM	COCO 605 LOLA	LINDSAY OK 73052	756-4264
PARSONS NATHAN	KSEUT 1101 N NORMAN	MOORE OK 73160	794-6135	SCHALLENGER VAN	NFSH 4013 NW 61	OKLA CITY OK 73112	942-4394
PASS WADY	NSAGC RR 1 BOX 254	CATOWSA OK 74015	266-1782	SCHENKEL MIKE	WSVXU 1211 SOUTH MAIN	ALTUS OK 73521	482-1797
PATTERSON DENNIS	WDSOSM 8300 NW 19	OKLA CITY OK 73127	495-0769	SCHIEL MARTIN	COCO 5313 SPITZ DR	OKLA CITY OK 73135	670-6891
PATTERSON FREIDA	NSEOX 2624 HAWKS TRAIL	WOODWARD OK 73801	256-7645	SCHILLER LEE	WSOLX 908 N MARSHALL	MIDWEST CITY OK 73110	-
PAYNE SR JACK	WSCDO BOX 60205	OKLA CITY OK 73146	528-3560	SCHILLING JOE	WBSYKD 1409 S.W. 66	OKLA CITY OK 73159	681-5884
PEARSON ROBERT	KCSEB BOX 764	HARRAH OK 73045	390-3123	SCHLOMMER HANS	DEHCO A-8962	GROEBING 463 AUSTRIA	99999 -
PECK ED	WASKGV 2616 CLERMONT PL	OKLA CITY OK 73116	842-6863	SCHMITT W.T.	COCO 1820 N ANN ARBOR	OKLA CITY OK 73127	943-5758
PEDERSEN JOHN	NSDKO 3317 MEADOWBROOK	MIDWEST CITY OK 73110	737-1082	SCHOENHALS HARRY	WDSIDE BOX 435	BETHANY OK 73008	789-6433
PEIL LEO	KASDUO BOX 544	CANTON OK 73724	886-2998	SCHOOLING FOREST	WSEST 616 S.W. 51	OKLA CITY OK 73109	634-2961
PERRIN LESTER	COCO 10028 MAHLER PL	OKLA CITY OK 73120	751-4172	SCHOONMAKER BRIAN	KASPLC BOX 487	CANTON OK 73724	886-3274
PERRY JACK	NSDMT 3108 NW GRAND BLVD	OKLA CITY OK 73116	842-5606	SCHOONMAKER STEVEN	WDFUP BOX 487	CANTON OK 73724	886-3274
PETERS RAY	WBSBIT 15088 N OAK DR.	CHOCTAW OK 73020	390-9513	SCHULTZ LEROY	WASEYZ 5216 SE 53	OKLA CITY OK 73135	677-2216
PETERSON WILLIAM	NSOY 9402 ARCH HILL CIR	AUSTIN TX 78750	-	SCOTT LYNN	NSFMD BOX 705	KINGFISHER OK 73750	375-5981
PETTY DR. JAMES	COCO 1016 NW 41	OKLA CITY OK 73118	528-7687	SCOTT MERRILL	WDSPTD 6204 NW 22	BETHANY OK 73008	495-2829
PHARES JIM	KSYLK 2901 APACHE	WOODWARD OK 73801	254-2319	SCOTT STEVE	KASSJK 1705 HATHAWAY	PONCA CITY OK 74601	762-0117
PHELPS MEREDITH	WASGVH RT 5 BOX 65	GUTHRIE OK 73044	282-4644	SCOTT VIRGINIA	COCO 1611 BARKWICK	NORMAN OK 73069	321-7469
PHELPS VERNON	WSVMO 3821 SW 27ST	OKLA CITY OK 73108	681-6861	SEALS JAMES	KBSXN RT 4 BOX 260	TUTTLE OK 73089	381-2005
PHILLIPS CLARENCE	WBSVB 419 MOUNTS ST	DENTON TX 76201	-	SEALS JR FRED	WSJZO 1005 WALNUT RD	NORMAN OK 73069	321-1522
PHILLIPS FRANK	ABSJ 3902 DENVER AVE	LANTON OK 73505	248-6748	SEARS H.A.	WANC BOX 38245	HOUSTON TX 77088	-
PHILLIPS LEON	NSAZP RT 2 BOX 270	MCCLLOUD OK 74851	-	SEGER FRED	COCO RT 1 BOX 596-F	COVINGTON LA 70433	-
PHILLIPS MARY	WDSFIJ RT 2 BOX 270	MCCLLOUD OK 74851	-	SEIGNIOUS GLORIA	WDSJFM 12708 GAELIC GLEN	OKLA CITY OK 73142	722-1740
PIERCE RAYMOND	COCO 11900 SE 44	OKLA CITY OK 73150	733-0951	SEIGNIOUS JIM	WDSUHM 12708 GAELIC GLEN	OKLA CITY OK 73142	722-1740
PLUNK HAROLD	KSGBF 2801 CAMELOT DR	OKLA CITY OK 73120	751-5768	SELBY RAY	KSLIX PO BOX 465	KINGFISHER OK 73750	375-4354
POKORNY SID	WSUHU 1335 N. RIDGE CIR	HORSESHOE BEND ARK 72512	-	SELTOR GLENN	NSGON 4620 NW 59	OKLA CITY OK 73122	721-3503
POOL BILL	COCO 1206 LYNNWOOD	LINDSAY OK 73052	756-2817	SELTOR WANDA	KASVAV 4620 NW 59	OKLA CITY OK 73122	721-3503
PRATHER JOHN	WASTHS 2404 BEL AIRE DR	MOORE OK 73160	-	SEVERSON MOH	COCO 2301 CELINA	MIDWEST CITY OK 73110	737-6340
PRICE LOUIS	KASNEO 2605 SW 54 PL.	OKLA CITY OK 73119	682-2000	SHAFER EARL	WDMT 709 N.W. 89	OKLA CITY OK 73114	848-2185
PRIVETT BOBBY	COCO 805 KOLBA DR	YUKON OK 73099	354-5612	SHARPE GLENN	WBSRKA 3000 GLEN OAKS	MIDWEST CITY OK 73110	737-4544
PROBKEKE MARSH	WASUBO RT 2 BOX 144	BLACKWELL OK 74631	363-2526	SHAW IVIE	WSDVS BOX 300	GOTEBO OK 73041	538-4747
QUITTER WALT	NCAB 367 BUCKINGHAM DR	STEPHENS CITY VA 22655	-	SHAW ROBERT	WASBXX 908 ELMWOOD DR.	EDMOND OK 73034	341-4763
RABIN ROBERT	KASHM 904 W COMANCHE	NORMAN OK 73069	360-6996	SHEAFFER CHARLES	WSAL 2336 NW 46TH	OKLA CITY OK 73112	848-5062
RADER JERRY	WSUGH 3121 NW 68	OKLA CITY OK 73116	843-9236	SHEARER LYNN	WDSINH 10508 GREYSTONE AVE	OKLA CITY OK 73120	751-4500
RAIDOURN DEE	COCO 2323 VILLAGE DR	LAHTON OK 73501	357-1007	SHELTON CECIL	KSKK 1212 SW 92	OKLA CITY OK 73139	691-3632
RAINES SALLY	A RT 1 BOX 108	WAYNE OK 73095	527-3845	SHEPHERD TOM	WBSLO RT 5 BOX 156-A	GUTHRIE OK 73044	348-0447
RAJALA DARRELL	KAS1OP 13909 JEFFERY DR	EDMOND OK 73034	-	SHERER BILL	WBSNXC 4105 NW 62	OKLA CITY OK 73112	942-1617
RAMAGE JOE	WBS1OW 4401 S AGNEW	OKLA CITY OK 73119	685-4814	SHERRILL PAT	NSPS 3721 NW 27	OKLA CITY OK 73107	943-3217
RATZLAFF DENNIS	KASKVU 513 HORIZON DR	ALTUS OK 73521	-	SHIDELER JIM	WBSYMO 1715 HILLSIDE	STILLWATER OK 74074	377-0498
RAUSCHER ALBERT	KSCXP 3308 PLEASANT DR	MIDWEST CITY OK 73110	732-6357	SHIDELL GARY	WBSJBK 328 E. MOHR LN.	MUSTANG OK 73064	376-2832
RAUDON GLENN	WDSFVI 1133 WOODS	NORMAN OK 73069	364-2877	SHIMA LARRY	WOPAN BOX 3474	ENID OK 73701	234-0789
RAY R. L.	WOHD 13 E JANICE # 102	YUKON OK 73099	354-6241	SHOUMAKER W.A.	COCO RR 4 BOX 285J70	BLANCHARD OK 73010	392-5565
RAYMONS JASON	KASUNG 6728 NW 16	OKLA CITY OK 73127	789-7542	SHULTISE GUIDO	KSOJ 1519 24TH	WOODWARD OK 73801	254-3289
REA RALPH	WSAA 2213 SW 69	OKLA CITY OK 73159	685-0898	SIEMER GORDON	COCO 2077 TIMBER WOLF	TRAEDMOND OK 73034	348-2184
REAL RONALD	WDSCTG BOX 216	WELLSTON OK 74881	356-2393	SIEMER MICHAEL	COCO 2077 TIMBER WOLF	TRAEDMOND OK 73034	348-2184
RECER KAREN	KCSWZ 2408 W BIG CEDAR	WEEEDMOND OK 73034	341-7030	SIMMS LOREN	WASCBF 209 MOCKINGBIRD DR	NALTUS OK 73521	477-0921
RECER RON	KESH 2408 W BIG CEDAR	WEEEDMOND OK 73034	341-7030	SIMPSON BILL	KASSNH RT 1 BOX 146	RINGWOOD OK 73768	883-5523
REED HERBERT	COCO 8800 ROLLING GREEN	OKLA CITY OK 73132	722-4315	SIMPSON FRED	NSFUO 827 S 13	FAIRVIEW OK 73737	227-2791
REEDER DEVIN	COCO 4136 NW 59TH	OKLA CITY OK 73112	943-4244	SIMPSON HELEN	KASSMI RT 1 BOX 146	RINGWOOD OK 73768	883-5523
REUSCHER TIM	KASHUG BOX 94512	OKLA CITY OK 73143	848-9910	SIMPSON RUTH	NSFUR 827 S 13	FAIRVIEW OK 73737	227-2791
REUSSER LARRY	KSOHM 1832 W CEDAR RIDGE	MUSTANG OK 73064	376-3085	SIMS TERESA	COCO 5001 SE 34	MOORE OK 73165	794-1033
RICE PHIL	COCO RT 3 BOX 61T	YUKON OK 73099	324-0744	SINGLETON CHARLES	WWS1ST 2309 TROSPER PL	DEL CITY OK 73115	677-2197
RICHESON PETER	KASCOI 1339 HOMELAND	NORMAN OK 73069	329-3217	SIRILO TOM	WSPZW 1114 TEAKWOOD	YUKON OK 73099	354-3790
RICHMOND GORDON	WNSL RT 1 BOX 12	MOORELAND OK 73852	994-5394	SITTEL CLARENCE	KSYAQ 2633 NW 45	OKLA CITY OK 73112	947-4015
RICHMOND LANCE	NSFEN BOX 123	MOORELAND OK 73852	994-2190	SKAGGS GARY	WBSULK 1048 N.W. 1ST	MOORE OK 73160	799-6727
RIDDLES BILL	NSMH 2647 NW 55 PL	OKLA CITY OK 73112	842-0092	SKELTON WAYNE	WBSVXR 120 N 5TH	HEALDTON OK 73438	229-0485
RIDDLES RUTH	NSEKZ 2647 NW 55 PL	OKLA CITY OK 73112	842-0092	SKILLERN GRADY	WBSAD RR 3 BOX 663	PONCA CITY OK 74601	765-3411
RIDGWAY HOWARD	WSWSH 2400 NW 33	OKLA CITY OK 73112	946-7610	SMITH CHARLES	WBSHJS 313 MERCURY	ALTUS OK 73521	477-1098
RIDGWAY VIRGIL	W7JTG 6449 N PENIEL	OKLA CITY OK 73132	721-8411	SMITH CLYDE	WSDI 207 S ROBERSON	HANGUM OK 73554	782-2345
RIDNER LLOYD	COCO 7001 NW 21	BETHANY OK 73008	789-2361	SMITH DARWIN	COCO 716 SHALLEY DR	NORMAN OK 73071	321-0315
RITTER ANTOINE	NSEVI RT 1 BOX 236	MUSTANG OK 73064	376-3035	SMITH GREGORY	KASLZN 8282 E 33RD PL	TULSA OK 74145	627-2260
RITZ DICK	COCO 4204 SHANNON WAY	EDMOND OK 73034	348-1743	SMITH JACK	WBSLPT 3028 CHETWOOD DR	DEL CITY OK 73115	-
RITZ NANCY	COCO 4204 SHANNON WAY	EDMOND OK 73034	348-1743	SMITH LELAND	WSKL RFD 3 BOX 115	JASPER ARK 72641	-
RIZZO FRANK	W2OCM 4630 E FRANKLIN RD	NORMAN OK 73071	-	SMITH MIKE	KASHUT 1724 MONROE AVE	PIEDMONT OK 73078	373-1120
ROAT STEVE	KASSJW 5800 S KLEIN	OKLA CITY OK 73109	632-8369	SMITH WAYNE	WBSFEX 1312 SW 81	OKLA CITY OK 73159	685-7450
ROBERTS DOROTHY	COCO 2400 S MACARTHUR	OKLA CITY OK 73128	681-5220	SNEED JOHN	WBSLER 4017 LEONHARDT DR	DEL CITY OK 73115	677-3404
ROBERTS LOYAL	COCO 617 N FIRST	FAIRVIEW OK 73737	227-4647	SNYDER DAVID	WBSHMC 825 N. LAPWING RD	EDMOND OK 73034	340-1081
ROBINSON HOWARD	WBSFAJ 110 FREEMAN ST N.E.	ARDMORE OK 73401	223-5726	SNYDER KATHLEEN	WBSHMD 825 N. LAPWING RD	EDMOND OK 73034	340-1081
ROBINSON RICKY	KASSVC 5305 S. YOUNGS	OKLA CITY OK 73119	685-2467	SONHEIM RONALD	KASRYH 4411 N MUELLER AVE	BETHANY OK 73008	-
ROCKHOLD JAMES	KASSOD BOX 1365	WOODWARD OK 73802	254-3801	SOUTH GENE	WAS1JA 3 TOWN & COUNTRY CR	ARDMORE OK 73401	223-8252
ROGERS DAVID	KASVAY BOX 1-465	FT SUPPLY OK 73841	766-2311	SPARKS JAMES	COCO RT 3 BOX 133	BLANCHARD OK 73010	344-6354
ROGERS LEE	WSHGH BOX 348	BUFFALO OK 73834	735-2400	SPARKS JERRY	NSAVD BOX 846	NICOMA PARK OK 73066	769-9545
ROGERS RAYLON	COCO RT 3 BOX 89	WELLSTON OK 74881	258-0717	SPEER BONNIE	WDSHAM 1400 MELROSE	NORMAN OK 73069	321-7302
ROGERS ROBERT	WASSEZ RT 2 BOX 366	TUTTLE OK 73089	392-5562	SPEER JESS	WSSDJ 1400 MELROSE	NORMAN OK 73069	321-7302

SPENCE MYRA	KASHRY 9 EASY STREET	EDMOND OK 73034	348-2981	HADDLE CLEO	WASSUD 920 N MERIDIAN	OKLA CITY OK 73107	942-4076
SPENCER HARLEY	COCO 2425 SW 95	OKLA CITY OK 73159	691-2704	WALKER JEROME	COCO 1109 S PATTERSON	MOORE OK 73160	-
SPIVEY JOHN	KSYGM 4705 N KELLEY	OKLA CITY OK 73111	424-2944	WANDLER R.B.	WSED2 642 BERYL DR	SAN ANTONIO TX 78213	733-9632
SPROUL JERRY	NSAUM 128 RANCHWOOD	YUKON OK 73099	354-2061	WANDLER TONY	COCO 8734 SILVER CREEK	DRSPENCER OK 73084	771-5795
SPURGEON TED	KSPJO 1417 14TH AVE S.W.	ARMORE OK 73401	223-4366	WANN GEORGE	WBSOYS 804 GREENWOOD DR	HIDWEST CITY OK 73110	737-3757
ST. LAURENT RON	NDSS 10208 DOVER DR	YUKON OK 73099	324-8180	WARD ARLANDO	COCO 753 W MAIN ST	MOORE OK 73160	794-8351
ST. LAURENT SUSAN	KASSLU 10208 DOVER DR	YUKON OK 73099	324-8180	WARD CLYDE	WBSOPA BOX 207	WASHINGTON OK 73093	527-6180
STAFFORD BRUCE	KESNT 7113 NW 16	BETHANY OK 73008	789-2650	WARD GORDON	NSABT BOX 493	CACHE OK 73527	-
STALLBAUMER TEDDY	COCO 2803 DESIRAE DR	CHICKASHA OK 73018	224-6250	WARD LEE	NSHIR 2605 N. TERRY	BETHANY OK 73008	789-0681
STARK BOB	WSIPN RT 8 BOX 6	PONCA CITY OK 74601	-	WARE WORN	COCO 5412 DARLA DR	OKLA CITY OK 73135	670-2376
STAUDT OSCAR	WBSGCK 1414 OK ST	GUTHRIE OK 73044	282-6508	WARREN BILL	WBS720 4405 BISON RD	SHAMNEE OK 74801	275-0119
STEINBERGER CALVIN	NSHDM BOX 445	FAIRFAX OK 74637	642-3647	WARREN LARRY	COCO 4405 BISON RD	SHAMNEE OK 74801	275-0119
STEVEN J.D.	WBSGSZ 4208 N.W. 15	OKLA CITY OK 73107	942-8668	WARRINER JOHN	KESMT BOX 917	HOLDENVILLE OK 74848	379-3149
STEPHENS DON	WASCDZ 1635 FRANKLIN DR	NORMAN OK 73069	321-0806	WASHINGTON ARCHIE	COCO 11005 N VILLA	OKLA CITY OK 73120	751-4162
STEPHENS SAM	WENZD BOX 550	EL RENO OK 73036	262-4872	WATKINS GLENN	WORTH 415 N WASHINGTON DR	WEBB CITY MO 64870	-
STEPHENSON SR H.A.	WSEDEC BOX 27	LONE OAK TX 75453	447-2724	WATKINS JAY	NSBUH 2537 SW 35	OKLA CITY OK 73119	685-7832
STEPP KEN	NSDBM 1109 APOLLO CIR	EDMOND OK 73034	341-4874	WATKINS O.J.	WBSRX 816 N JUNIPER AVE	HIDWEST CITY OK 73130	732-1868
STEVENS JOHN	NSFMS BOX 119	NORMAN OK 73070	-	WATKINS RALPH	KDSOG 1414 W SHUTTEE	EL RENO OK 73036	262-0436
STEVENS STEVE	WVCVJ BOX 976	EDMOND OK 73083	341-8486	WATSON ALLEN	WSEYR 316 E HURD ST	EDMOND OK 73034	341-4209
STEVENSON NORMAN	COCO 1136 SE 18	OKLA CITY OK 73129	677-5238	WATSON DANNY	NSEVA 410 E. JONES	HOLLIS OK 73550	688-2523
STEWART HOLLY	KDSOL BOX 30316	HIDWEST CITY OK 73140	737-3700	WATSON LARRY	WSEIU 8309 NW 36 TERR	BETHANY OK 73008	789-2032
STEWART JACK	NSFZK 1020 SW 26	OKLA CITY OK 73109	634-7583	WATTS HARRY	KCSOU RT 1 BOX 7	VICI OK 73859	995-4761
STEWART LARRY	WBSPO 4138 NW 62	OKLA CITY OK 73112	946-1961	WEBB THOMAS	WASAFM 3021 BIG OAK DR	HIDWEST CITY OK 73110	-
STIMPSON DOUG	KASSVF 2132 S.W. 77	OKLA CITY OK 73159	685-9978	WEIRICK ROD	WBSFF 2836 SW 87	OKLA CITY OK 73159	-
STINE JAMES	WBSJX 1612 FRONTIER	STILLWATER OK 74074	372-2380	WEISS ED	KASOCF BOX 532	MOUNTAIN VIEW OK 73062	347-2355
STINE LUCILLE	A 1612 FRONTIER	STILLWATER OK 74074	372-2380	WEISS JUDY	KASMPJ BOX 532	MOUNTAIN VIEW OK 73062	347-2355
STINE MARK	A 1612 FRONTIER	STILLWATER OK 74074	372-2380	WEISS PRESTON	KASMPI BOX 532	MOUNTAIN VIEW OK 73062	347-2355
STINER TRUMAN	WBSHRE RT 1 BOX 129	BLACKWELL OK 74631	363-3309	WELCH DARRYL	WBSRW 418 S LEWIS LN	HUSTANG OK 73064	376-2766
STINSON TOMMY	W50ZE 2721 LYONS BLVD	OKLA CITY OK 73107	947-5130	WELLS HAROLD	WASZKX 806 HANTHORNE LN	EDMOND OK 73034	348-1772
STOKES HENRY	KBSXM 633 W WANDMENT	YUKON OK 73099	354-8396	WESNETICK WILHELM	WBSNF 3204 NW 16	OKLA CITY OK 73107	942-3101
STOKES HENRY	KBSXM BOX 554	MUSTANG OK 73064	324-0220	WEST CHUCK	COCO BOX 161	YUKON OK 73099	373-3038
STOKES JACK	NSGAU 6215 S.E. 89	OKLA CITY OK 73135	733-3741	WETHORE JERRY	KDSIS 813 NW 21	OKLA CITY OK 73106	524-5080
STOKES MARVIN	WASJHB RT 2 BOX 6	CALUMET OK 73014	893-2221	WHITE DAVID	WNSLUI 928 RIVIERA	PONCA CITY OK 74601	765-5707
STONE JOHNNY	COCO 2660 SW 43	OKLA CITY OK 73119	681-2141	WHITE MARVIN	KSHOP 2109 S POST RD	HIDWEST CITY OK 73130	732-8133
STORN CLARA	WBSKFT 6718 NW 30 TERR	BETHANY OK 73008	495-6228	WHITED KATHY	WBSND 1700 S.E. 8	MOORE OK 73160	799-1457
STOTT THOMAS	COCO 11812 O'CASEY	YUKON OK 73099	324-5086	WHITED REGGY	WNSMX 1700 SE 8	MOORE OK 73160	799-1457
STOUT TERRY	COCO 3632 ROLLING LN CR.	HIDWEST CITY OK 73110	737-4355	WHITEN JOHN	WSEMB 3704 SOUTHWIND CT.	OKLA CITY OK 73179	745-4751
STOVER JIM	COCO 4516 S.E. 35	DEL CITY OK 73115	672-0394	WHITMAN PHIL	WBSKPM 1436 CONCORD LN	ALTUS OK 73521	482-3781
STRATTON GUY	W5GE2 6404 STERLING DR N	OKLA CITY OK 73132	721-3521	WHITMIRE FREDRICK	WBSGT 5605 N.W. 59	OKLA CITY OK 73122	722-0123
STRECKER OTTO	HSE0 214 N 11	TOKAWA OK 74653	628-2889	WHITNEY ORVILLE	NSABE 3720 NW 60	OKLA CITY OK 73112	946-4263
STRIEGEL ROBERT	COCO 716 SW 11	MOORE OK 73160	793-1352	WHITTINGTON JIM	COCO 8508 S KENTUCKY	OKLA CITY OK 73159	681-3878
STROMAL DICK	WSHOP 3308 RIDGEMOOD DR	HIDWEST CITY OK 73110	732-6029	WILDER RALPH	WASPFK 811 N BURFORD	HATONGA OK 73772	623-5421
STULTS JAMES	KSLRM BOX 59	CALUMET OK 73014	893-2561	WILHITE CHUCK	KSNK 7144 COMANCHE AVE	OKLA CITY OK 73132	721-4926
STULTS LEONA	WASLTJ BOX 59	CALUMET OK 73014	893-2561	WILLIAMS BOB	WBSLHR 1505 SUNWAY	OKLA CITY OK 73127	-
SULLIVAN CHARLES	WBSYLZ 4817 NW 62	OKLA CITY OK 73122	721-1078	WILLIAMS BUTCH	COCO 532 S.E. 66	OKLA CITY OK 73149	632-7509
SULLIVAN DONALD	WBSRX 7420 N.W. 19	BETHANY OK 73008	787-0092	WILLIAMS FRAN	KASOBY 7701 NW 25TH	BETHANY OK 73008	787-5315
SULLIVAN JIM	KASFCB 1 BINGHAM CIRCLE	SHAMNEE OK 74801	273-3843	WILLIAMS GLEN	KASOBY 7701 NW 25TH	BETHANY OK 73008	787-5315
SUTTON BILL	NSGUK BOX 384	ELDERADO OK 73537	633-2762	WILLIAMS JAY	WSTXF 1504 POTOMAC	PONCA CITY OK 74601	765-9440
SWINDELL JAMES	COCO RT 1 BOX 393P	LUTHER OK 73054	-	WILLIAMS JIM	KSVRL 6400 NW 30 TERR	BETHANY OK 73008	789-0767
SWINDELL ROBERT	COCO RT 1 BOX 77	NEWCASTLE IN 47362	-	WILLIAMS KARL	KDSAN 840 N.E. 27	OKLA CITY OK 73105	424-3760
TALTON MAJOR B.	KASDMX 1705 OKLAHMA	OKLA CITY OK 73121	-	WILLIAMS ROBERT	COCO RT 14 BOX 626	MOORE OK 73165	799-5000
TAYLOR FRED	NSGTP 3300 S HIGHLAND PK	OKLA CITY OK 73129	677-3910	WILLIAMS WILLIAM	KSVJD 3652 SUNVALLEY DR	HIDWEST CITY OK 73110	737-4342
TAYLOR RICK	NSGVG 3036 SE 21	DEL CITY OK 73115	677-5436	WILLIAMSON RON	KASUZI 1817 LARIET LN	DEL CITY OK 73115	677-2131
TEACHMAN DOUGLAS	WODXA RR 4 BOX 697	BLANCHARD OK 73010	392-5458	WILLIS RAYMOND	W5ATO 401 N MAIN ST.	GRANITE OK 73547	539-2184
TECH FRED	KSGDE ROUTE 1	CALUMET OK 73014	893-2527	WILSON C.C.	NSCIL 4116 NW 30	OKLA CITY OK 73112	946-4032
TECH VIRGINIA	WASLTJ ROUTE 1	CALUMET OK 73014	893-2527	WILSON LEON	COCO 616 W HILL	OKLA CITY OK 73118	525-9540
THELIN TED	COCO 9720 NW 3 PL.	HIDWEST CITY OK 73130	737-0486	WILSON NORMAN	W5FLO 601 E ARBOR DR	HIDWEST CITY OK 73110	737-0250
THOMAS JAMES	KASAAE RR 1 BOX 22	ROSTON OK 73855	533-4296	WILSON ROBIN	W5BTU RT 7 BOX 81	DENTON TX 76205	-
THOMAS JIM	WASHON # 3 CITY VIEW	PONCA CITY OK 74604	765-7768	WILSON WALLACE	W5BYT 4508 N COLLEGE AVE	BETHANY OK 73008	495-9200
THOMAS WILFORD	KASSMP 9400 KEYLANE RT 1	MUSTANG OK 73064	-	WIMER JIM	KASLER 2400 W BRITTON RD	OKLA CITY OK 73120	843-7341
THOMASON AMBER	KASVEK 14209 MT. VERNON PL	EDMOND OK 73034	478-4615	WISE LOUIS	N15G 1912 MUSTANG RD N.E.	PIEDMONT OK 73078	373-3748
THOMASON JOHN	WBSYU 940 MARS CIR	EDMOND OK 73034	340-1798	WOLF EARNEST	KSYKD 611 NW 94	OKLA CITY OK 73114	848-3425
THOMASON ROBERT	KACCVK 14209 MT. VERNON PL	EDMOND OK 73034	478-4615	WOLFENBARGER LAMAR	WNSHIR 2605 N. TERRY AVE	BETHANY OK 73008	789-0681
THOMASON RON	KACCVJ 14209 MT. VERNON PL	EDMOND OK 73034	478-4615	WOLFENBARGER PHIL	NSHIP 2605 N. TERRY AVE	BETHANY OK 73008	789-0681
THOMPSON PAUL	NSPT 3813 CROMWELL	OKLA CITY OK 73112	949-1963	WOOD GILLA	W5NUT RT 1 BOX 152	SHAMNEE OK 74801	273-1394
THOMPSON ROBERT	COCO 2833 SW 76	OKLA CITY OK 73159	681-0875	WOOD RICHARD	KSGMN 3400 EASTWOOD CIR	DEL CITY OK 73115	677-0362
THRELFALL AL	KDSKU 8316 NW 117	OKLA CITY OK 73132	721-5037	WOOD VERA	NSHIZ 1812 N BILLEN	OKLA CITY OK 73107	525-5858
TICE CARLA	WBOOGH RT 1 BOX 63	MOORELAND OK 73852	994-2138	WOOD WALTER	KDSEP 1416 N. PENN	OKLA CITY OK 73107	528-2705
TICE RON	WBOFGD RT 1 BOX 63	MOORELAND OK 73852	994-2138	WOODRUFF BILL	KSVVI BOX 960	HATONGA OK 73772	623-2425
TIDMELL WILBERT	W5SADO 813 RANCHOAK DR	YUKON OK 73099	354-3320	WOODS MAURICE	WASHDG 6420 HILLCREST	OKLA CITY OK 73116	842-1436
TINGLER JAY	KDSMX 4203 BLAINE RD	SHAMNEE OK 74801	273-3033	WOODS WILLIAM	W5SJOE 300 W MAIN	NORMAN OK 73069	329-7465
TIPTON JACK	WASHTO RT 1 BOX 119	GUTHRIE OK 73044	282-3082	WOODSON PAUL	COCO 10300 CASA LINDA	OKLA CITY OK 73139	691-5968
TODD HAROLD	WASVAD 1300 SW 62	OKLA CITY OK 73159	685-3685	WOODWORTH CHARLEY	W5OK2 131 LAKESTIDE DR	ALTUS OK 73521	482-4290
TODD TOMMY	WASVSJ 717 TURTLECREAK RD	OKLA CITY OK 73170	691-2102	WOODY T VAN	W5FMX 2517 NW 62 APT 40	OKLA CITY OK 73112	842-1623
TOLMAN BILL	KDSE0 1028 SW 67 PL	OKLA CITY OK 73139	634-0413	WOLF JAMES	COCO 1208 CAROL LANE	OKLA CITY OK 73127	495-3621
TOWNSEND JIM	WBSVCB 6610 S SHIELDS	OKLA CITY OK 73149	632-5445	WORTHAM BURT	NSBN 1512 VULCAN CIR	EDMOND OK 73034	341-7054
TREIBER VERN	NSAMV 95 ELWOOD	PONCA CITY OK 74601	767-1571	WORTHAN JOHN	WBSHZO 10300 KENDAL AVE	YUKON OK 73099	324-6097
TUCKER RONALD	K51GB 4100 NW 59	OKLA CITY OK 73112	948-3559	WRIGHT FRED	KSHFN 8822 SE 25TH	HIDWEST CITY OK 73110	737-8784
TULL CLIFTON	WBSZKH 3909 SE 14	DEL CITY OK 73115	677-3593	WRIGHT JAMES	W5AR 9227 S. SHARTEL	OKLA CITY OK 73110	-
TURLEY DON	WASHAK 921 O ST. S.W.	ARMORE OK 73401	223-0100	WRIGHT JR. WILLIAM	KCSGN 2105 RAMBLING ROAD	EDMOND OK 73034	341-6076
TUTOR RON	WASGAM RT 14 BOX 73	MOORE OK 73165	794-8254	WUELTZ KEN	COCO 10321 KOCH DR	OKLA CITY OK 73130	-
TWELVES RONALD	W500Z 2975 W BOIS D'ARC	DUNCAN OK 73533	255-6965	WUSTENBERG JOHN	KESN BOX 157	WANETTE OK 74878	383-2232
UNITONE & ROB REID	WBSVXL 944 23RD AVE PLACE	CORALVILLE IA 52241	-	WYKE JEFFERY	KESEB 1709 IOWA	NORMAN OK 73069	329-6762
VAN BUREN RON	WSILH 115 WESTBURY	PONCA CITY OK 74601	762-2310	YONE FRANK	NSCIJ 16109 W 136TH TERR	OLATHE KS 66062	-
VAN LANINGHAM TED	W5JNT 2454 TOWNSEND DR	EL RENO OK 73036	262-1675	YONE KAY	KASHZS 16109 W 136TH TERR	OLATHE KS 66062	-
VAN MORT STAN	WBSUITY BOX 75252	OKLA CITY OK 73147	-	YORK CHARLES	WASFFG 3700 NW 64	OKLA CITY OK 73116	842-3918
VAN WICKLEN FRED	WASFFE 607 E OKLAHOMA	WEATHERFORD OK 73096	772-3527	YORK JAMES	KSSJZ 2600 SW 91	OKLA CITY OK 73159	691-7496
VANGILDER GENE	KSFQ 5516 HUDDLESTON DR	OKLA CITY OK 73135	672-4091	YOUNG FRANK	N15J BOX 176	OKLA CITY OK 73101	239-2040
VEATCH LARRY	KDSCU 505 N IRVING	PONCA CITY OK 74601	762-3678	ZACHRY H.B.	KCSIS 3505 ROLLING LANE	HIDWEST CITY OK 73110	732-7235
VINSON MARTIN	WBSFEI 517 NW 137TH	EDMOND OK 73034	755-4378	ZIETLOW JOHN	KWIC 309 W SILVERWOOD DR	HIDWEST CITY OK 73110	733-2765
VORHEIS LARRY	KSRJR 3009 MCILLIAN	BETHANY OK 73008	789-9629	ZONNEFELD MIKE	WALTL 3128 DENTWOOD	DEL CITY OK 73115	677-7247
VOTAW BOB	KDSKY BOX 21	BETHANY OK 73008	495-0030	ZUCK NELVIN	WASOPP STAR RT C BOX 294	KINGSTON OK 73439	564-3842
WADDELL DEAN	NSAMV 316 W MAIN	NORMAN OK 73069	-	ZUCK RUBY	WBSIP STAR RT C BOX 294	KINGSTON OK 73439	564-3842

Salem

YOU CAN'T WORK THEM IF THEY CAN'T HEAR YOU.

I don't use a HF radio very much. In fact, for about five years I didn't use one at all. I was in school at the time and it just wasn't something that I was interested in. I don't have to use the excuse that I was away at college and just couldn't find the space for an antenna. That was no problem while I was at college. My first year away didn't keep me off HF for more than a semester. After fidgeting away the semester in the dormitory, I brought my HF radio and a dipole to school. The dormitory I was staying in was U-shaped. I just so happened that the two sides of the U were approximately 70 feet apart. My room was in the middle. There were two bathrooms located on third floor from which I could string a 40 meter dipole between them by the use of strategically placed nails outside the windows. It worked great. I moved back into the same dormitory the next year and restrung the antenna again. It worked great and I used to work a little CW with the Swan Three Drifty late at night. For awhile, I kept a schedule with a friend of mine back to my hometown. Kind of helped me to get over the "away from home blues."

I moved out of the dorm the next year and never stayed in one again. I rented a house, but never put up an antenna. The HF radio stayed in the back room and gathered so much dust that when I finally plugged it in in preparation to lend it to WA5MLT who had just gotten interested in HF, I popped a couple of capacitors in the power supply and had to open up the VFO compartment and literally blow out the dust because they were sticking between the plates of the tuning capacitor and generated noise while tuning the dial. When the radio came back from the temporary loan, it was well broken in and I recall that H. O. was so enamored that he went out and bought one to replace it. I think that he later brought a Drake TR-7 as the final evolution of his HF rig.

Meanwhile, when the radio came back to me, I decided to get on the air and see what was doing. I had borrowed one of the Heathkit QRP radios from a friend and already put a 40 meter dipole up about 20 feet outside the window. It wasn't much of an antenna, but when I got the Swan back, I began meeting a schedule with WB5YWO. Eventually, I decided that I needed a better radio and the Swan evolved through a TS-130 to an Icom 720. I found that the ease and convenience of operating a new solid state radio with digital readout meant that the Swan was just out of date. I toted the HF rig to Dayton several times for schedules back to the homeland. The 720 stayed on my desk and I eventually put up a 75 meter antenna. These two radios probably would have been enough except that K5JB and I started playing with packet and there was just starting to be some packet activity on the new 30 Meter band. Additionally, I had always wanted a full break-in CW rig. Not that I am any hot shot CW operator, but it was really a convenience I just wanted to try. After some careful calculation and inquiry, I plotted that I could sell the IC-720 (this was hard to do, it was a great radio and I had rejuvenated it after it took a lightning strike and was very intimate with all of its guts. You really ought to think twice about selling a high tech radio that you can repair by yourself. I did it anyway). This time, the object of my affection was a new IC-751 or a Kenwood TS-930. I spent a month or two studying the literature. The Icom was a little cheaper and was plenty of radio although the Kenwood had some features I liked. I had heard some discouraging words about the 751 infant mortality rate (it was high). A friend, Chuck K8UTY, had three of

them and had that many crap out on him and had to be sent back. At one time I had subscribed to the International Radio Icom User's Group Newsletter for both Icom and Kenwood and had let the subscription lapse. After renewing, I found that Icom had not designed the radio to work after you had replaced the lithium battery that kept the memory alive. It seems that replacing the battery scrambles the RAM and renders the radio inoperative requiring a visit back to the local Icom service center to punch reset. Now that is dumb. But if it only occurred every seven years, one could probably live with it. Maybe Icom was building the electronic equivalent to the Japanese car that pops a flag up in front of the odometer when it is time for service. Like Spock's return to Vulcan, Icom 751's have to go back home one time every 7 years for a, ahh, well, umm, rejuvenation, shall we say.

Throwing caution to the wind and being assured by the dealer that this radio just got off the boat and had every modification and fix known to modern man to that point in the 751 evolutionary cycle, I brought the 751 home. I had no sooner got it out of the airplane after the trip back from Texas than we took it down to the local shop for evaluation on N5AMV's triband antenna up about 70 foot or so. I was still reading the manual trying to figure out just how to change the band, this was some radio. Operating it was a sensory overload. The 32 channels in memory and all the other features were something else. Whew! It was a lot for an old mind to absorb in a short time.

No doubt that this is a superior radio. And I have not had a stitch of trouble with it. I bought a 500 Hz low IF (455 KHz) filter for it and it works great. I also got a 500 Hz High IF filter (9 Mhz). Figuring out the filter options on the 751 was very complicated. The reason I got two filters of 500 Hz each was because of the Icom switching scheme for the filters. I would have liked to have had a narrow 270 Hz filter for CW, but the same narrow filter is used for both CW and RTTY and 270 Hz was just not useful for RTTY. I find that the 500 Hz works well. The high IF filter has some effect on noise and things and using the passband tuning, I can narrow the bandwidth some. The passband tuning becomes really effective with the low IF filter. You can virtually cut the bandwidth down to nothing. It helps substantially with adjacent channel garbage that floats in and out.

The acid test was to let the radio be subjected to the finicky ear of WA5TOO. Darrell is a died in the wool Collins man. I suspect that he would probably want his KWM2 buried with him when he dies. He has been thinking about a new HF radio and I offered to let him take the 751 for a couple of days just to let him see if he would like it. Outside of the fact that Darrell is one of the very few people that I would trust with the radio for that period of time, I also let him have it to compare with the R390 that he swears by. I mean I really didn't expect him to give the 751 better marks than the boat anchor four times its size and five times as heavy. Darrell is so finicky that he makes Morris the Cat look like an ambassador to the U.N.

I have played with an R390 some time ago after I had arranged for the OU Radio Club to get one. It is quite a receiver and without a doubt one of the finest ever made. It would go anywhere within the 500 KHz to 30 Mhz band and had all kinds of no compromise filters all the way from wideband for full fidelity AM to narrow bandwidth for the discriminating CW operator. I never expected a serious admission from Darrell that there might have been any chance that the 751 was as good as the 390, daresay the suggestion that it had edged it.

I know that Darrell had a good time with the radio. He said that he worked more HF with the 751 and 390 that week than he had in the previous 5 years. He had them side by side and would switch an antenna between them. At first, he would say that the 390 was a clear winner. After a day or two, the Icom was doing OK and almost as good. I am not sure what the last report was, but it was a cryptic, "Well, it is a good radio but I don't need all those features. One frequency at a time is enough to listen to." Had it edged the R390? Probably not. Once you get to that level, a lot of good receivers are just about equivalent. Noise floor, sensitivity, image suppression, selectivity are all just about equivalent. Because of the superior dynamic characteristics of vacuum tubes, I expect cross modulation, IMD dynamic range, IMD and desensitization, in the R390 to be just a little bit better. Frequency stability probably goes to the 751, although the R390 ain't bad. From turnon, the 751 would be a clear winner, however. I don't want a R390, however. It is too big and my house is already full enough. I have a philosophy about buying radio equipment, especially in the flea market. If I can't pick it up in one hand, I don't want it. Still, I have a houseful of those one handed armloads. An R390 would not help the situation. There are probably a lot of receivers in the commercial market that will outdo both of the radios now, but they are in the multiple thousand dollar range and are intended strictly for the commercial boys and generally out of reach of the amateur market. Besides, the 751 is only a single handful and it works well. It also happens to transmit. I was amazed at its sensitivity and using the bells and whistles (if you can learn) makes operating convenience about as good as you can get. When I first got the radio, I unhooked the antenna to see if it had any kind of internally generated synthesizer noise or spurs. I tuned the radio from 100 KHz to 30 Mhz and listened. I found a couple, especially one at 4 Mhz or so. I had tuned up to about 7 Mhz or so and was disturbed at the number of carriers that I heard when I plugged the antenna in on one of the carriers. I was hearing the carriers of broadcast shortwave stations! And not just one, but several. This time I put a short on the antenna and the number of the "spurs" dropped drastically. The "strong" spur at 4016.6 Mhz, 8003.8 Mhz, 12,006.0 Mhz were still there. The radio also has a bunch of clicks and pops every now and then, but I think that in normal operation, they would not be a serious problem.

So the great receiver war has just finished the first battle. Not really sure if there is a winner, but for convenience and compactness, the Icom 751 is a winner. Next, I have challenged Darrell to fine tune his 390 and bring it down to the shop and put it neck and neck with the 751 on the signal generators. He has declined to do so yet, claiming a bad back for lifting the R390. Besides, when we get to spectrum analyzer checks on the transmitter, the 390 would lose, I know it. And as that wise old philosopher K5JB says, "You can't work them if they can't hear you."

Micheal Salem N5MS

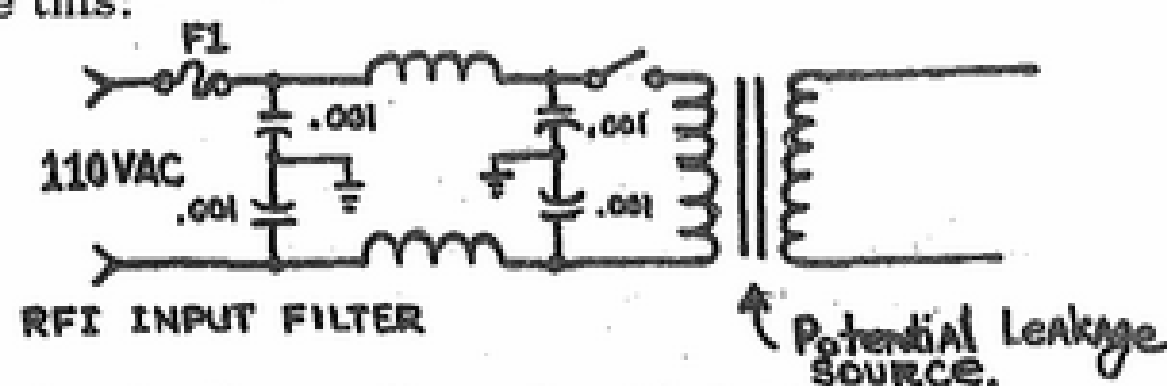
A SHOCK IN TIME SAVES NINE

My frequency counter fired a warning shot. For some time, I have noticed that the counter, which is line operated, has had a voltage on the chassis that would tingle me occasionally as I might get across it and another piece of equipment in the shack. The counter is a rather old piece of equipment that I have been assembling and collecting for some time, a Monsanto 1505B. This counter uses the nixie tubes and dtl logic it is so old. Nevertheless, it is a fine piece of equipment and has a fairly stable time base. The most important part of the counter is that I have plug-ins (this is back in the days when they made plug-ins) that take the counter to 3 Ghz and if

I ever get the time, I would like to fix the 12 Ghz plug-in and 10 nanosecond timer plug-ins. I guess that I haven't really had a need for these yet.

Anyway, the voltage that I was "feeling" was just leakage somewhere in the power supply. The worst thing that it could be would be a short in the power transformer. Since the equipment is old and spare parts are nonexistent, it would be almost impossible to find a replacement. I would be reduced to using the counter only with an isolation transformer. For a piece of equipment that never leaves the shelf, that would be OK, but it might make it inconvenient when I went to sell it.

I have dreaded opening it up and looking for the problem. I even thought of disassembling the transformer and looking for the short. I quickly gave that up when it occurred to me that I might get it apart and never get it back together again. Then I would have a counter that wouldn't shock, but it wouldn't work either. Then Dean N5AMV suggested that I should see if there were any bypass capacitors on the AC line and to check and see if they might be leaking. Sure enough, I grabbed the book and saw that the 1505B had a line filter on the AC input. I disassembled the counter and unsoldered the capacitors on the input of the filter. The circuit looked like this:



The two input capacitors showed about 5 megs apiece of resistance. Not bad for what is suppose to be an open circuit. The capacitors on the transformer side of the circuit showed OK. I checked all of them, including the replacement, with a capacitance meter and found them right on the button at .001 ufd. I can only guess that the AC line has been hit a couple of times with some spikes that softened the capacitors. Replacing them didn't take very long and I also installed some 150 GE MOV's (Metallic Oxide Varistors). I haven't had time to check and see if I still have a short in the transformer, but at least that is part of the problem eliminated. With the proliferation of RFI requirements, if you experience a little "voltage" on the chassis, try the filter first before suspecting the transformer.

Micheal Salem N5MS

VOLUNTEER EXAMINER UPDATE

I think that the various groups are getting organized under the VEC program. It is apparent that the start-up procedures is a very heavy burden on the ARRL. Requests for exam coordinator status are backed up and promised manuals and correspondence go undelivered. When W5YI announced his examination program for Extra's, I signed up immediately. Fred doesn't mess around. I got the certificate back in record time. A couple of expectant VEC's here in Norman have been waiting around for the League to catch up on their paperwork. Finally, after suitable discussion, KU5B and WA5RPP and I decided to form a team for Norman. Everybody has gotten the certifications and we will be planning an exam in the near future. WD5HPU has graciously offered to act as secretary in charge of correspondence and maybe we can get things in gear soon. More on this late braking (?) story later. Film at Ten.

Micheal Salem N5MS

TEN METER FM DEPARTMENT
(Used Equipment Division)

Hey, I am looking for a ten meter rig and I am trying to get rid of a Ten meter rig. Actually, I already have two ten meter rigs, but I want to sell one and buy another. Got it yet?

Well, it is not too complicated. About two or three years ago I bought a Mocom 10 and after a little of fiddling around got it working in the ten meter FM band. Worked great. I talked all around the country using my 75 meter dipole (quintupling or fifth harmonic or something). I even heard a station in England. Well, I traded that away and got a Motorola Moxy which put out about 25 watts or so. Got it tuned up and it also works great. Now I want to sell it. It is good for a single frequency and is tuned up and working on 29.6 Mhz. If you've a mind too, I will show you how to rig a COS on the radio so that you can wire it in to the remote base portion of your repeater.

What I am looking for is one of the Azden's PS-2800 Ten Meter Radios. This is a synthesized jobber and I have figured out a way to interface it to the RC-850 Controller now residing on the Big Kahuna. It will take a little work, but KA5OHU and I spent some time this past Saturday with one and I think that it is simplified somewhat after that afternoon. The one we were experimenting with does not belong to us, so we have to reluctantly give it back. If you have a 2800 and it is surplus to your needs, give me a call. I would probably be reasonable in my pricing for purchase, but a little tight. Home number is 321-5453 or office is 366-1234. Office address is 101 East Gray, Norman, Oklahoma 73069. Whataya bid?

Micheal Salem N5MS

DAYTON BECKONS

All you good amateur citizens had better make plans for Dayton right now. The air fares are down (\$158.00 round trip at last check on TWA), room reservations are going fast (might still be able to get a room in Cincinnati) and tickets are available. Why, I checked my hamoscope the other day and it predicts that even WB5YWO might go after taking a powder the last couple of years. There is a strange atmosphere going around. I have even heard a couple of guys talk about taking their wives. Not sure, but I think that the subterfuge is that they think they are on their way to Hawaii. Nice trick, but it might be difficult to find somebody to meet them at the Dayton Cox International Airport with flowers as they debark the plane.

This year should be a great one. I think that with the economy the way it is that there will be a lot of gear on the tables for sale. No doubt about it, amateur radio in some circumstances is a luxury. Now some radios are necessities, such as 2 meters and 450, but a lot of hams would rather eat than ham (just a few only would rather ham that eat). The market at Dayton is really rather fluid. It moves and churns during the 2 and a half day flea market. If you have a radio for sale and there are several of them in the market, unless you dog the price, you will probably take it home. Like I always say, the day I decide to sell my soul, there will be a glut of them on the market.

Dayton is basically a buyer's market. You can find everything that is generally to be found. And the above mentioned market dynamics make it easier to negotiate the price. I have tried to sell things at Dayton and the only advantage is that the buyer will probably be there if it is something that you don't mind what you get for it. Horsetrading is also part of the deal.

I am sure that they are expecting easily over 20,000 hams this year. I can only hope that the weather cooperates for the outdoor flea market although I have been shopping in the flea market in the rain. Prices generally come way down and there is not much competition. The only thing that really makes is difficult is when it is cold. I went to Dayton without a heavy coat or gloves. But that is free enterprize for you. The guy who was selling gloves was making out like a bandit. The last time it rained, the guy who was selling umbrellas went home with a smile on his face. I bought one before the price went up. I figured that it was better to buy one there rather than carry one with me. I still had it until a couple of weeks ago when I set it down and don't remember where.

This is last call. See you there.

Micheal Salem N5MS

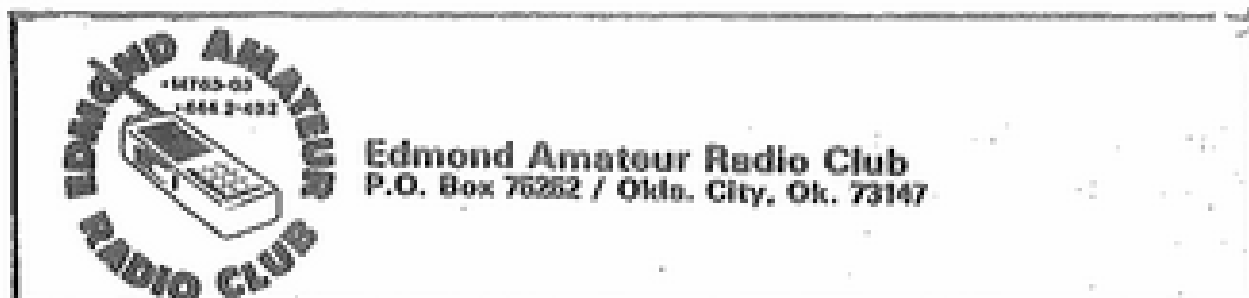
Seventy Three to 73 (QUO VADIS WAYNE?)

I was just looking at the March 1985 issue of 73 Magazine. Not really a lot in it about ham radio if you don't count the advertisements. I counted 7 articles and one of those is about the VEC program. The construction articles are OK, but minimal. Nothing to really get the blood moving or the solder iron hot about. The most interesting was the speech article for repeater voices (synthesized that is). They have the resistor substitution market cornered with a construction article for that. And the only antenna article is a rehash of a discussion about a centered multiband doublet, something that has appeared in those pages before.

Now, this doesn't look like a \$60 million magazine to me. In fact, the \$2.50 cover price could be easily reduced to the 37 cents that I paid for the first 73 Magazine that I ever bought. And I guess that I am really joking about \$60 mil. CW Communications didn't pay that much money for an amateur magazine. They bought the computer stuff that Wayne publishes. The rumors were that they intended to buy the whole set and then sell off the ham magazine. The fact is the flagship magazine of the Green collection is now a small boat in comparison to the computer stuff Wayne has, or I should say, had. And quite frankly, Wayne was smart to sell them to somebody who needed a tax writeoff.

Several years ago, I started paying off a life subscription to 73. I had just finished paying a life membership to the ARRL and wanted to make sure that I didn't have to hassle with it any more. I went ahead and paid the money for ham radio and got that one installed although they dropped me from the list and I had to talk to them about it at Dayton the next year. I paid about \$150.00 toward the 73 magazine (they have extended my subscription to 1988), but didn't finish paying it off yet. Well, the magazine has fallen on hard times in the transition, and I know that things are tough in the amateur radio field, but unless things pick up, I might be without a 73 subscription for the first time since about 1967. I dunno, probably will renew anyway. The collection is still intact and there are only a couple of issues that I am missing. But to those who subscribe on a yearly basis, the \$24.97 that it takes might be just a bit much for the kind of stuff that I saw. At the risk of insulting Wayne, it looked just like CQ Magazine, especially with the new cover and type style. Let's shape here! Back to basics.

Micheal Salem N5MS



HUNTING SEASON APPROACHES

Ah, spring...when a ham's thoughts turn to rabbit hunting...

Edmond Amateur Radio Club members Leo Neyer, KØLOT, and Bob-Robert Shaw, WA5BQX, will be spearheading the organization of a transmitter hunt, the first of which is to be held during the month of March.

Dates for the transmitter hunt will be Saturday, March 16th, with a rain/snow-out date of the following Saturday, March 23rd. The hunt will begin at Stars & Stripes Park, on the south shore of Oklahoma City's Lake Hefner. The park is located at the north end of Portland Avenue, approximately $\frac{1}{2}$ mile north of NW 63rd street.

The hunt will begin at 10 AM, with rules and frequency to be announced beforehand. There are plans to have a "travelling trophy" for the winner(s) of the competition. The trophy will be passed along to the winner of the next competition, which is hoped to be on a regular basis.

All hams are invited to participate--the more the merrier. Team operation is encouraged, also. Bring the XYL to do the driving if you want.

RF carriers, whether malicious or innocent in cause can wreak havoc on a repeater system. The transmitter hunt spurs interest in the quick location of signals. It is hoped that with correct techniques and equipment, the amateur is able to locate signals which may be causing interference.

Leo, KØLOT, has more information on how to build a simple loop antenna for direction-finding. Also, check a previous edition of the Collector & Emitter for an article by Joe Buswell, K5JB. Either source will provide accurate dimensions and parts lists to build your antenna.

Check with Leo or Bob-Robert on 147.63/.03 for any other questions you might have. As the day approaches, you'll also have correct information as to which Saturday the transmitter hunt will be held. Happy hunting!

NEW EQUIPMENT ORDERED

Edmond Amateur Radio Club voted at the January meeting to purchase a Decibel Products DB-224 antenna for the 147.030 repeater transmitter. Trustee Dennis Orcutt, WB5ISN, indicated wind and ice had taken their toll on the present antenna, and that there were two cracked elements and one broken element on the DB-224 presently mounted at 960 feet. Since the meeting, the antenna has been delivered, and will be installed at first available good weather--possibly before this article goes to print.

The Club voted at its November '84 meeting to purchase a new transmitter for the 444.200 MHz repeater. Trustee Orcutt has ordered a complete Neulink UHF Transmitter. The model ordered is a 2 Watt version, which will be used to drive the Motorola MICOR 45 Watt solid state power amplifier, currently in service. Neulink is a commercial-quality transmitter, and the company is a division of Celltronics in San Diego. Delivery is expected soon, with installation depending on the weather.

**HAVE YOU CHECKED
YOUR
LICENSE EXPIRATION
LATELY?**

MARCH FORTUNATE TO SEE MARCH

Many of you have read or seen accounts of the Oklahoma City Police officer who escaped possible death and serious injury at the hands of two gunmen February 17th. The patrolman was shot three times in the early morning gun battle--once in the hip, middle right finger, and forehead.

Officer Ray March, working as a security guard at the Continental Motel on south I-35, was in the process of "taking two suspects into custody when the two men pulled guns and started shooting at him," said Lt. Dave McBride, OKC Police spokesman.

March had uncovered a stolen car and possible stolen merchandise in the parking lot of the motel. Reports indicate an alleged stolen property operation was being conducted out of the motel. Several suspects were arrested after the incident, including one of the assailants.

The incident was similar to a situation in Oklahoma City two weeks earlier in which an off-duty officer, working as a motel security guard, was killed after uncovering a theft.

Many of us tend to forget how quickly a police officer's life can be put on the line, often with little or no thanks. Fortunately, Ray March, WD5BDW, was treated and released from the hospital on the same day and was talking to fellow club members on EARC's 147.03 repeater the next morning. Your club wishes you a speedy recovery, Ray!

* * * * * FOR SALE * * * * *

KLM KT-34A TRI-BAND YAGI Excellent. Four elements on 10/15/20 Meters. 4kW PEP; full band coverage; longest element: 24 feet; Hi-Q air capacitors--no lumpy coil cases; Heavy-gauge aluminum throughout--Built to take the Oklahoma winds. This antenna is **ALREADY ASSEMBLED** (it takes hours) and comes with all papers. Save the \$330 plus motor freight shipping and have an assembled KT-34 home tonight for a lot less money! Call ND5A at 324-0749 after 6 pm.

ALPHA 76-CA RF POWER AMPLIFIER. This is one of the ultimate amplifiers, folks. This linear amp will deliver 1800 Watts RF OUTPUT CW and it'll do it all day long! The 76-C/ uses three 8874's. Shipping carton and all paperwork included. Sacrifice price: \$1800. Leo, KØLOT, 341-3390 after 6 pm.

KENWOOD TR-2600A HAND-HELD. Digital Coded Squelch (DCS), S-Meter/Battery Meter, 2.5 W (Hi)/300mW (Low), Offset Memory, scanning in 3 modes, and more. Extra battery pack; box & papers. Call Leo, KØLOT 341-3390 after 6 pm for price.

COMPLETE KENWOOD HF STATION.
*TS-820S CW/SSB/FSK, 160-10 Meters; Digital Display; IF Shift, Attenuator, SSB Monitoring, phone patch in/out jacks, tough tube finals. Has optional DC/DC converter for 12V operation, 500 Hz CW filter, MC-50 Desk Microphone.

*VFO-820S External VFO for split-frequency operation or traffic handling. Has its own TIT and will work in all combinations with the 820S.

*AT-200 Antenna Tuner matches 2 coax lines and 1 longwire. Dummy load position. Antenna switch, power/SWR meter and tuner all in one package. Meter light added to match 820S.

*SP-820 Filtered Speaker has two inputs, one low and two high filters, separate headphone jack, and output for other accessories.

*This equipment is in excellent condition. All paperwork comes with the station, including manuals and service/parts manuals for each piece. Custom-fit vinyl covers and all boxes/packing also come with the deal. Please don't ask to break up the set--find a friend if you don't want it all. Price: \$675. Availability: Late March. Contact Mark, WD5DYI, after 7 pm at 755-4672.

Confused as to what antenna works best on what VHF or UHF band? Should you use a "stubby duck" instead of a regular "rubber duck"? You can get the answer to these questions and more by listening-in on a talk by Jim Larsen, K7GE, on the North American Teleconference Radio Net on March 29th, beginning at 8 P.M.

Larsen, in charge of one of the leading antenna manufacturing operations in the business, has been personally designing and building antennas for most of the 50 years he has been an amateur. The LARSEN name has been synonymous with high-quality VHF and UHF mobile antennas in all types of radio service.

The Teleconference Radio Net is presented nationally by the Midway Amateur Radio Club of Kearney, Nebraska. More than 180 "gateway" stations, mostly VHF repeaters, are linked together to cover virtually every metropolitan area in the U.S. and much of Canada.

Edmond Amateur Radio Club, sponsors of the local presentation in central Oklahoma, will carry the net on the 147.030 repeater in Oklahoma City. All amateurs are encouraged to listen to the presentation. Since two-meter FM is the most popular form of communication in the amateur service, the topics discussed should be interesting and informative to all.

A suggestion: Ask one of your non-ham friends to listen during the presentation. Besides high-quality technical discussion, your friend will be exposed to the network technology which links active stations coast-to-coast virtually noise-free.

Remember--March 29th, 8 P.M., 147.030, for the Teleconference Radio Net.

COMMENTARY

The following commentary does not necessarily represent the feelings of the Edmond Amateur Radio Club, Inc. as a whole, but is submitted as commentary and one opinion.

GOOD WEATHER MEETING

Oklahoma City Autopatch Association's annual weather meeting was held February 19th at the FAA Center's auditorium. For those who thought they had seen it all, you're wrong.

First of all, the meeting was much more amateur-oriented. Henry, N5IH, presented the procedure involved in this year's local net. Much more emphasis was placed on what information should be passed on the system. Emphasis was also placed on concise reports, rather than long-winded dissertations. Particularly impressive was the effort to get participants to listen. As an example, Henry stated we don't need three reports from the same grid location unless specifically requested by net control.

The seminar, conducted by meteorologist Rick Tassetano of KTOK covered some ground not covered since NWS's SKYWARN spotter training a few years ago. Rick's explanation of terminology and diagrams of weather systems helped me understand a little more of the mystery. His slide presentation contained diagrams as well as actual pictures of storms, and with his illustration, provided a very enjoyable learning experience. The "Spotter's Guide" film, which is seen each year is still not "ho-hum" to me--I still see things I haven't noticed before.

Honorable mention should also be given to other local weathermen who were in attendance: KOCO's Wayne Shattuck was a pleasant surprise to see; National Weather Service's Meteorologist-In-Charge Ken Crawford; and his Assistant MIC Larry Mooney, WB5PWY, who I'm glad to see is back from a tour of duty with the Fort Worth NWS. It's so nice to have a ham around the house.....

OCAPA's idea to certify each of the spotters is a good one--it adds credibility to an all volunteer system. Each spotter must pass an exam on the seminar. Some of the questions were rather tricky, but if the material is comprehended, it should present no real problem.

This year, apparently, a spotter must have a "number", from his certificate. This number will be used to make the initial check-in to the net, then when net control calls you back by your number, you identify with your callsign and location.

There are some problems to be ironed-out with this type of system: Do you ignore a station without a certification number? Do you accept a report from a fellow club member who doesn't have a number? Do you accept a report from a seasoned spotter who hasn't taken the test? What about the hams who have not taken the only test scheduled for this year? Does an 8-lander, driving through on the Bailey Turnpike with a report, get heard?

The system probably has more plusses than minuses, however. Hopefully gone are the days when blue-sky reports and inane inquiries clutter communications. How many of us get the feeling that in past years we have been giving forecasts for backyard barbecues instead of passing weather-related traffic?

There are always more listeners than participants on weather nets, and that's how it should be...but the "Weather Net" here in Oklahoma City has had steadily decreasing participation. Perhaps with the increase in credibility, more will make the effort to truly serve by becoming spotters, National Weather Service liasons, public service agency liasons and broadcast facility liasons. To volunteer, contact DEC Frank McCollum, N5FM, EC Paul Thompson, N5PT, or one of the net control operators: Mac MacDonald, K2GKK, Henry Israel, N5IH, or George Adkins, AD1S.

For the hams in the areas outside OCAPA's fifty-mile limit--take heart. There is a definite effort underway to monitor your local nets at the National Weather Service via other repeaters. It will take effort on the part of all concerned, but with proper understanding of the mechanics involved, there should be no deterioration in service to you. Your part of the deal is to designate at least one of the stations in your local net to be a liason to the National Weather Service via selected repeaters. This liason station needs to have two-frequency capability at all times and should have relative priority both in the local net and at NWS. He needs to have one ear tuned to the local net and the other to the liason frequency. Many minutes are wasted trying to get the liason on the right frequency for vital information back out of the Weather Service to the local net. Time saved may be lives saved.

We also need local hams who have the capability to reach outlying repeaters. These volunteers can be valuable when called upon by NWS. Remember though...don't do it on your own...you may be duplicating work of the local net liason. If in doubt, ASK. Don't add to the confusion.

In the past couple of years, a condition has existed on the 22/82 repeater known as a "pre-net" or the "Severe Storms Information Center." Purpose for the idea was to answer any questions and to update reports from the National Weather Service. I never really could figure out why this information center was not located at the NWS. Most information of any consequence was always directed to and from the NWS amateur station. Most time was spent re-telling the same information to the station who could hear it the first time!

This idea has been scrapped this year. It remains to be seen, but chances are that all weather bulletins from the NWS will be read on 22/82 as they are issued. For those folks who invariably come on frequency and say "What's the weather supposed to do today?"....WAIT. Chances are within fifteen

minutes, if anything is threatening in the state, you'll know about it. It's one of those cases where thirty minutes of monitoring can answer all your profound questions! Also remember, you can get the forecast on your favorite broadcast radio station while driving home, tune-in the three newscasts on TV during and after drive-time, or check out the much-improved and up-to-date NOAA Weather Radio. All get their information from the same place...the National Weather Service.

Have some compassion for the folks who run the amateur station at NWS. Those folks are manning the radio hours before the metro OKC folks have anything to worry about, and they're still manning it after most of us have gone to bed. I'm sure the guys at NWS would like to show you the ropes and get you on a volunteer list--but only do it if you're serious. There's no room for visitors or occasional volunteers. NWS and the amateurs in the central Oklahoma area need the utmost in credibility, faithfulness, and people who can think on their feet. It gets pretty hairy out there when things start flying.

"Radar" for the OCAPA operation will be facilities of the WARN system, a COMMERCIAL entity located outside Wellston. They are equipped with the latest machinery, including Doppler radar as well as reflectivity radar. WARN is also staffed with multiple meteorologists during peak times. This is a state-of-the-art operation, and a valued addition to our amateur coordination.

I can understand why the amateurs need contact with radar operators (my volunteer job through all of this is to man one of the commercial television station radar rooms). Some questions are not of the importance to bother NWS radar ops. They have responsibilities to NOAA Weather Radio and FAA, to name a couple. Also, there may be occasion for one of the radar ops at a broadcast facility to need verification from a spotter or contact with another radar for verification. Some of this can be cat-and-mouse communication, designed to get information FIRST or so the commercial operator won't "tip his hand" about a particular cell under observation...believe me, I've been there. This doesn't happen too often, but it's something we (I) have to be careful of. Hopefully, the science of meteorology will continue to win-out over ratings wars. Maybe it's not good business, but morally we should share in the information, particularly toward the National Weather Service.

Commercial operation--WARN, KTVY, KWTU, KOCO, and KTOK must all be treated for what they are.....COMMERCIAL OPERATIONS. There are many articles written each year in public service columns about hams using facilities of a particular radio or television station for weather information. How lucky we are in the Oklahoma City area to have so many facilities from which to send and receive data, and how lucky most get along with each other. Incidentally--you hams out at Tinker--don't you have weather radar facilities on Base? It sure would be nice to have operators on-site there. Also--Norman--can we count on someone stationed at National Severe Storms Laboratory?

It was pointed out at the OCAPA Weather Net meeting that we really haven't had all that much bad weather in the last three years (didn't you lose a tower in the last three years, Henry? HI HI). We are due for some serious, serious damage. Let's hope that we, as amateur operators can do a small part in helping inform the public BEFORE it happens. AFTER the damage is done, we need to put on another hat and help in that direction--but that's another subject. Mark Northcutt WD5DYI

"RADIOMANSHIP"

By Paul C. Amis, W7RGL

There are those who say that the present-day radio amateur is little more than an "appliance operator" who is unable or unwilling to understand the toys he plays with. They point out, for instance, that the emergency communication aspect of our activities has been withered by the blast of mobile CB units and imported Walkie-Talkies. They equate the educational aspect of a modern ham station with that of a color TV set; each can provide some measure of mental upgrading, perhaps, but unless you are a sponsor or manufacturer, there is little lasting benefit. At the drop of a jaw, these malcontents will conclude that since, to their knowledge, modern hams have been technically euhred out of the invention field, their utilitarian import is approaching zero, that they occupy commercially desirable spectrum space, and, therefore, are not worth saving.

While these observations may have some truth buried in them, the point remains that the basic skill of amateur radio to establish and maintain communication continues to be forgotten. That one primary art form tends to be glossed over as a pseudo-science, or never observed in the first place. This accomplishment, call it RADIOMANSHIP, is cultivated, to some degree, in every active amateur. It is the skill, or necessary ability if you will, which separates the radio amateur from the citizens band and the commercial operator. It has little or nothing to do with ones ability to copy high-speed code or to acquire technical acumen; its growth is discrete from the amount of expensive equipment purchased for the shack, or text books studied for the mind. It is a communication awareness which is acquired by applied osmosis and requires continual contact with jam-packed ham bands and a flighty ionosphere. The handling of traffic from a high-power station, on a clear channel, or the sporadic use of a transceiver over a five block path on Channel 11, does not tend to cultivate it.

It blooms only under infernal interference, is fostered by sickly signals, and feeds on heavy doses of adverse band conditions and static. Yet most of us who have acquired a modicum of RADIOMANSHIP never fully realize it, much less understand it. What makes a ham select one specific band, at one specific time, to make a certain specific long haul contact? Experience? Partly. Propagation theory? Partly. Skill? Not necessarily. A

In a world where technological advancements tend to outpace the individual, where just running some device, whose design is totally beyond our ken, takes study and application, the art of RADIOMANSHIP becomes a rarer thing. When a commercial or military circuit cannot pass traffic over a given distance at all times, we provide a more powerful transmitter. The operator does merely as he must--he uses the equipment provided, or he reports that, "communication is impossible due to propagational disturbances." A radio amateur, while he may have no powerful transmitter or state of the art equipment, has, and is learning, the etherial sixth sense of the true communicator. He makes do with his equipment at hand, but he bolsters his ironmongery with the feeling that such-and-such is the band to use, and that so-and-so is the time to try, and that the other station, be at the end of the state, the country, or the globe, will be waiting for him at that precise kilocyclic intersection.

In this day and age, a tape recorder or a computer can talk; but it still takes skill to communicate.

September 1966 QST. Submitted by KB5EK

MARCH 24th is

73 MAGAZINE'S "HAM-DAY 1985"

Expose a non-ham to our great hobby.



Club
NEWS

VLCU
The Texas Instruments Learning Center

Minutes of February Meeting

Meeting was called to order by President Jerry, KD5IS, at 10:03 A.M. with 11 members and guests present.

Ellard, W5KE, gave the Treasurer's report.

President Jerry gave a summary report of how the Volunteer Examiner (VE) program is operated in the area. It was also announced that Novice classes will be starting at the Red Cross Headquarters on Monday nights, at 7:00 P.M., starting March 4 and running 10 weeks. They will be conducted by Rick, KE5PN, and Bill, KE5RY.

Jim, K5VRL, reported that we received thank you notes from both the Shrine Temple and the Crippled Children's Hospital in Shreveport LA as a result of our Christmas donation.

President Jerry advised that those who apply through the club for ARRL membership will cause a \$5.00 rebate of their dues to the club's treasury. Members should check with Jerry before joining ARRL (or renewing).

There was some discussion of the tri-bander installation and the group adjourned at 10:40 for coffee and donuts. Joe, K5JB, Sec'y

Teleconferencing

The latest QST advises that the next Teleconference Network is scheduled for March 29, at 8 P.M. local time, with Jim Larsen, K7GE, of Larsen Antenna fame on board. I presume that the Edmond Amateur Radio Club will be sponsoring it on the 147.03 repeater but check their column to be sure, and mark your calendar. Joe, K5JB

Book Review and Other Drivel

It's been a busy month around the JB hamshack with a bunch of travelling, and all. Had a week in California, both San Francisco and Los Angeles, and happened to be there when L. A. had its record 95 degree temperatures! Only takes a little bit of that to put one in the summertime attitude. It took several days back home to realize that I needed to take a jacket when I left home. One afternoon I had to drive across L. A. to take a fellow traveler to the airport and did the driving with the windows rolled down, wind whipping, what a deal!

With the travel, I did get a chance to read the book, Understanding Data Communications, I referenced last week. It is published by Texas Instruments and available from Radio Shack. I first read about it in a message on Compuserve's Hamnet (reproduced last Month). A co-worker found it for me and let me rip it off long enough to read it and decide it was a pretty good book, good enough to get one for my very own.

Prepared by the Texas Instruments Learning Center, it is in the format of a self-paced learning text book with questions at the end of each chapter. I didn't bother to take the exams, because I wanted to enjoy the thing, harumph!

It starts right off by using a well known example to explain binary data communications, telegraph code. It breezes through the International Morse Code and Baudot (not really Baudot but a similar five element code like we use in radio teletype, see later explanation) and jumps right into ASCII. On the way it breezes right through EBCDIC (Extended Binary Coded Decimal Interchange Code, an eight element code) Unfortunately, It does not include

a table of EBCDIC code so the reader can puzzle over the big holes in it which are undefined, HI!

It jumps with both feet into the DCE-DTE interface we all have learned to love. DCE is data communication equipment, like Packet and telephone modems (did you ever wonder why "modem" is pronounced "mode-em" instead of "maud-em"? It is a contraction of the words "modulator" and "demodulator". Seems like it ought to be pronounced "maud-em", hmm. Maybe modulator should be pronounced "mowed-u-later"? Anyway, the mystery about why data sometimes comes out of receive data (RD) pins and goes into transmit data (TD) pins is answered if one is patient enough to remember what is read in Chapter 2 and wait until the full RS-232 description is found in chapter 4. It seemed that there were other things that required jumping around in the book but I guess it was because because some of the subjects were introduced early and covered in detail later. The "Baudot" code table is elaborated in Chapter 7 where it is included in the discussion of protocols and error control. In the latter place it is called CCITT Alphabet No. 2.

Actually, there are must be several 5-level codes kicking around and most books don't correctly identify the code we use on the air. If you want to ring someone's bell you send FIGS-S. In the CCITT No. 2 code you send FIGS-J. The book says TELEX uses the CCITT No. 2 so I believe 'em. I haven't had an occasion to mess with that. It also gives a list of code for "North American Teletype Commercial Keyboard" but it is sure different than mine. As long as it rings the bell when I hit the key...Who cares, right?

The book goes through a quick summary of computer history and covers a lot of the stuff one finds associated with the things. If you are into computers you will be interested in the explanations of how the big boys hook up terminals and the like to the big computer networks. There is an explanation of the IBM 3270 series of devices that are used as an often quoted standard.

The Third chapter goes into various path methods used to carry data, including fiber optics and microwave. It even goes into cellular radio a little bit. It tells who Nyquist, a name often associated with data rates and band widths, is. (He is a Bell Labs wizard.)

Chapter 4 alone is worth the cost of the book. It goes into the various types of modulation and encoding used by telephone circuits and gives a really good explanation of the RS-232C, current loops, RS-422, and some other circuit standards. I learned that the popular DB-25 connector is not specified by the RS-232 standard so you Color Computer folks can go back and jump on those who have accused you of having a non standard RS-232 connector. If it uses plus and minus 12 volts, or so, it probably is pretty close to the standard, even if it does use a nearly impossible to find DIN plug! (I can't throw stones. My Apple 2c uses just as impossible to find DIN plug. If I ever go to a European flea market, I'll go crazy!)

When we get to Chapter 5 some terms familiar to Packet Radio begin to appear because it deals with synchronous communications. That happens when characters are sent in blocks without stop-start elements between the characters. Synchronization between sending and receiving stations is achieved by various methods of encoding the data so the receiver can recover clock pulses from the data stream. There are more ways to do that than I imagined. In Packet Radio, the information is sent using a technology related to magnetic recording. A magnetic playback unit is sensing the change in magnetic field as the medium passes by. It has no way to sense absolute values of magnetic field but it is relatively

simple to generate a voltage in a coil by causing a variation in the magnetic field that is intercepted by the coil. In Packet Radio, NRZI, Non-Return to Zero, Inverted encoding is used. A transition from one tone to another is interpreted as a zero and a missing transition is interpreted as a one. For a thorough explanation of this kind of stuff see July and August 1983 ham radio magazines.

For anything over 1200 bauds on telephone lines (including Bell 212) data is sent at more than one character at a time. This is done by phase modulating the carrier, with different phase angles representing different bit patterns. For example, a Western Electric (AT&T Info. Systems?) 208 modem sends data elements at the rate of 4800 per second by using eight different phase angles in the modulation. The relative phase angles are every 45 degrees around the circle starting at 22.5 degrees. Each angle represents a three bit word, called a tribit. It operates at 1600 bauds and because of the phase encoding can send data at three elements per baud, thus the 4800 bps result.

Unfortunately, there is a bit of a mess in the standardization of things above about 45 bauds. Where only two people are going to exchange information, there is very little difficulty in reaching agreement on how it is to be done, like, "Hey, don't pull so darn hard! You'll pull the string out of my oatmeal box! Just hold it like this..." I have a Vadic 1200 bps modem that is almost like a Bell 202 and could probably be used on Packet Radio but the modulating tones are off by 50 Hertz on each end. It shifts 900 Hz instead of 1000. Probably no big deal but somehow Vadic wasn't able to sway the market place as well as Ma Bell and the Bell 202 became de facto standard for half duplex telephone stuff. Such is the adventure of a Dayton Ham-vention gamble, sigh!

By the time we get to Chapter 7 in the book, (remember the book?) we are into a graduate course in protocols and error checking. I wish I had found this book when I was researching for the November 1983 C&E article on error checking. I had to check a lot of sources to find just a smattering of information about error checking. Chapters 8 and 9 go into local area networks (LAN's) and Packet network architecture. These chapters are a must to understand what is going on in the Packet Radio discussions relating to networking. The amateur radio community is beginning to agree on a standard called AX.25, so named because of it's CCITT X.25 roots. There are seven layers describing the various parts of a model called the open systems interconnections (OSI) model. They are the physical, link, network, transport, session, presentation, and application layers. At the present time, we in Packet Radio have a couple of standards at the first two layers (physical and link). They are VADCG (Vancouver Amateur Digital Communications Group) and AX.25. The ARRL and most amateurs have accepted the AX.25 but there is some activity in a couple of parts of the country, the pioneers, who are still using VADCG. It is available as an option on most of the TNC's (Packet Radio modems, called terminal node controllers by Tucson Amateur Packet Radio). Because there is less address overhead, we have found them a little more reliable under noisy conditions where it is necessary to shorten packet lengths severely to improve chances of dodging noise spikes.

Back to the book...Chapter 10 wraps it up with some information on how to manage networks in terms of return on investment, getting the most throughput for cost and maintaining the system and its components. It mentions a few of the common test devices peculiar to this kind of equipment and it would behoove anyone in the electronic technology maintenance business to be very familiar with the equipment mentioned.

Well, for the price you really can't go wrong with this little jewel, that is if you are interested in that sort of thing (I'm interested in all sorts of things, I guess.)
Joe, K5JB

Packet Racket

A lot of the information I get on the latest happenings in Packet Radio come from the HamNet Special Interest Group (SIG) on Compu-serve. I dial it up about once a week or two and read all the messages. For example, the Annual Tucson Amateur Packet Radio Corp. (TAPR) meeting was Feb. 9 in Tucson. By noon the next day there were several messages left by the HamNet system operator advising what had taken place. He advised that TAPR reported shipping 1,700 Packet modem (TNC) kits in the past year. That's pretty good for the non-profit organization having but one paid employee, an office manager. Profits from kit sales are being plowed into research and development of high speed linking hardware that will enable local nets (like Okla. City) to link with others (like Tulsa).

Many of the messages consisted of reports from various areas, what they were doing, frequencies being used, etc. One message was particularly interesting and it is reproduced here as I got it.

#: 26999 Sub-topic 9 - Packet/RTTY/AMTOR
Sb: Heath Packet
10-Feb-85 15:00:55
Fm: HamNetSYSOP Scott W3VS 76703,407
To: All

Wayne Wilson, WB8TSO, described the new Heath TNC. Wayne indicated that much of Heath's emphasis had really shifted to computers from ham radio. The market for amateur radio equipment has been flat or shrinking. Heath views their packet radio line as a turnaround product for amateur radio - by providing the way to get computer users into ham radio. It was obvious from Wayne's comments that Heath is VERY enthusiastic about packet Wayne said this was just their first packet product. More to come?

The Heath HD-4040 is essentially a TAPR TNC. Minimal changes have been made. It make better use of space, fitting in a cabinet significantly smaller than the TAPR "Gucci" cabinet. It will retail for \$299.95 and will be available in kit form only. Wayne commented that even Heath found it very difficult to improve on the TAPR manual! Their TNC does include parallel port, breadboard area, etc. It has DIP headers and header kit will be supplied for use on HF. Heath is also planning to offer ICOM radios with packet kits as a package in the July catalog to help enable packet activity (2 mtr, 1-1/4, 70 cm radios). The kit is described as a "simple two evening kit" - 8 hours to build. It is planned for shipment the second week of April. The kit uses the strip of components approach - the parts are on a strip in the order required for assembly.
(end of message)

In the Central Oklahoma area packet is going rather slowly. There are only nine TAPR TNC's and two GLB PK1's that at one time or another have communicated with each other. There is generally only about three TNC's on the air at any one time. Mine, Mike, NSMS's and Joe, WA5FLT's. The rest kind of come and go, which is all right, but if there were more of us it would be more fun. I understand there are about 25 people in Dallas on packet and a few months ago there were none.

I don't know why it hasn't caught on here. Maybe it is the cost, but I doubt it. People are usually able to afford something they really want. Maybe it is the association with computers, which turns some people off. I hasten to mention that two of those who leave the systems up all the time don't have them tied to computers, but rather Model 43 Tele-

type printing terminals. In fact, a computer can get really obnoxious on packet radio when it decides to upchuck a file and some other poor soul hand typing his message is trying to squeeze a packet in between the deluge from one of the electronic drivels generators, HI! There is no need for to wait, come on in, the water's fine! Joe, K5JB

Tuning RTTY Signals

Jerry, KD5IS, supplied me with a copy of an article written by Bill Henry, K9GWT, and supplied to him by Hal Communications Corp., Box 365, Urbana, IL 61801. He asked me to write something about proper tuning of RTTY transmitters to prevent interference with other stations. He cited particular problems with copying ARRL stuff because of interfering RTTY stations. First, I don't have a solution for deliberate interference or interference caused by band conditions. From a given listening point, for example Oklahoma, the signals from Newington may be competing with signals from say, California, and the California station may be unaware of the presence of the Newington signals. There is no way to let the California station know he is interfering without causing additional interference. So, that is the way it is. Now on to the technical discussion.

After reading Bill Henry's paper, I decided I couldn't improve on it so here it is in its entirety:

Let's Get on Frequency! How to tune in RTTY Signals

By Bill Henry, K9GWT

With the increasing popularity of net type operations, the RTTY operator often finds himself with a real problem of determining first what his actual RTTY r.f. frequencies are and how they compare with the net "standard". The problem is particularly acute with autostart and mailbox nets where a frequency tolerance of just 10 or 20 kHz must be maintained. The addition of digital dials on our transceivers has both aided and complicated the process. Further complicating the issue is the existence of at least two different ways of specifying the RTTY operating frequency. This article will address both the existing standards and the practical techniques for RTTY operators to set and measure their output frequency.

RTTY Frequency Specification

At present, there are two techniques commonly used to specify the RTTY operating frequency in the 3 to 30 MHz operating range. U.S. amateurs have long used frequency meters or counters to measure the "rest" or MARK radio frequency of the RTTY transmitter. This frequency is easy to determine, since it only requires measurement of the transmitter carrier frequency when the RTTY equipment is in the normal "rest" or MARK condition. Furthermore, since the early 1960's we have all followed the convention of shifting to a lower radio frequency for the "SPACE" condition. This was bannered for years in W8CQ's RTTY Journal as "LSMPT", or "Low Space Means Fine Teletype". This is the standard that most amateurs still use to this day.

In most commercial and military applications, however, RTTY operating frequency is specified in a much different manner. This standard is to specify the center frequency of the "occupied bandwidth" of the RTTY signal. In other words, if you use 170 Hz shift RTTY, the channel frequency would be midway between the MARK and SPACE radio frequencies. This technique makes a lot of sense from a frequency management viewpoint, but is not as easily measured or set up for operation, since the measurable MARK or SPACE frequencies change with the shift selected. Many amateurs discover these problems when they first venture into the

Military Affiliate Radio Service (MARS) or when they try to track that elusive short wave broadcast station.

S.S.B. Transmitters

Most of us on amateur RTTY are using s.s.b. transmitters in LSB (lower sideband) mode. Audio tones are connected to the microphone jack to produce the desired FSK output. As has been discussed in previous articles, this output is truly type F1 emission, and it has the advantage of being both convenient and reliable. One of the biggest problems for early RTTY operators was maintaining a standard shift between MARK and SPACE frequencies. This problem has all but disappeared since we started using l.s.b. transmitters, and it is rare to find any amateur signal the shift of which varies by more than a few Hz from 170 Hz. We may determine our output MARK radio frequency simply by using a frequency counter to measure the transmitter output when the RTTY system is in MARK condition, just as we did with a direct FSK transmitter. However, most modern s.s.b. transmitters now include a digital dial readout of "operating frequency". This digital dial is very convenient, but it has greatly complicated and confused the specification of the true RTTY frequency.

Digital Dials and S.S.B. Modes

The modern amateur transceiver includes a very nice digital readout of frequency with an impressive display calibrated in 100 Hz or 10 Hz increments. The high resolution of these dials is comforting to the operator, but in fact it may give some rather misleading indications. First of all, consider that the transceiver and its dial reading are designed primarily for s.s.b. voice operation. The amateur standard for specifying an s.s.b. voice frequency is to specify the frequency of the suppressed carrier if it were there. When we use audio tones on an l.s.b. transmitter, the carrier frequencies that are transmitted are displaced from the digital dial indication. The amount of this displacement is equal to the audio frequency of the tone input.

For example, if "High Tones" are used on an l.s.b. transmitter the dial of which is set to 14,100.000 kHz, the MARK radio frequency output is 14,097.875 kHz and SPACE is 14,097.050 kHz. This, the "correct" amateur specification of the RTTY frequency is 14,097.050 kHz, not 14,000.000 as shown on the digital dial. The MARK output frequency is therefore 2.125 kHz lower than the dial indication. The commercial or military (MARS) center frequency of this same signal would be 14,097.790 kHz, 2,210 kHz lower than the dial. It can be down-right confusing to relate your dial readings to a net frequency specification.

Digital Dials and FSK Mode

Some of the larger (and more expensive) amateur transceivers now include a special FSK mode just for RTTY operation. This can be very convenient to use, especially now that c.w. identification is no longer required (c.w. ID often so complicated the use of the FSK input that many of us chose not to use it.) What does the digital dial mean when FSK mode is used? Many different things, it would seem! Some transceivers (such as the ICOM "700" series) show the MARK radio frequency output. Others (such as the TS-930) show the SPACE radio frequency output. Still others (such as the TR7) show a frequency that is displaced by 2.125 kHz! (The TR7 has an "RTTY" mode, but it is in fact a special audio input l.s.b. mode rather than an FSK input.) So, how do we deal with these new variables? The answer is, of course, to read your manual and then make some frequency measurements of your own.

There is another special problem associated with use of the direct FSK inputs on these transceivers. When we used l.s.b. mode with

tones, we could be fairly sure that we were transmitting and receiving on the same radio frequency. If our transceiver is correctly set for true voice transceive and if we use demodulator filters the frequencies of which match our transmit tone frequencies, all will be well. However, the FSK mode directly shifts the frequency of an oscillator in the transmit section. When we switch to receive, the transceiver must therefore also switch in a frequency offset so that the tones of our demodulator filters are matched. In the U.S., this offset should be 2.125 kHz to match our standard "High Tone" filters. However, in the rest of the world, the offset should be 1.275 kHz to match the "Low Tone" standard. To date, all of the current models of transceivers I have tested have indeed had the correct 2.125 kHz offset in FSK mode. However, sold outside the U.S. they may be set up for "Low Tones" with 1.275 kHz offset!

How Do I get on Frequency?

If you are just interested on normal QSO's on random frequencies, all you really need is a good tuning indicator. For most experienced RTTY operators, this means a tuning oscilloscope. A tuning meter such as used on the ST6 demodulator or LED arrays as used on the Dove-tron MPC1000 demodulator also work well. A single flashing LED will not get you very close, and two hams with such equipment will often "walk" up and down the band as each station "tweaks" the tuning dial. If you don't already have one, tuning scope is a very good investment in your RTTY station.

If you want to participate in an RTTY net, you first need to find out how the net frequency is specified. Important parameters are:

1. Is the specified frequency for MARK or for the center frequency of the occupied bandwidth? For 170 Hz shift, there is an 85 Hz difference between the two. Or, is the net frequency specified from the dial reading on an l.s.b. transmitter? This specification will be offset from MARK by the mark tone used (2125 Hz in the U.S.) or by the mid-point between MARK and SPACE from a center frequency specification (2210 Hz for 170 Hz shift).
2. What is the shift used? For amateur transmissions 170 Hz shift is commonly used, but 425 or 850 Hz shift may also be used in commercial and military systems.
3. What is the polarity of the RTTY signal? "Normal" amateur RTTY polarity is to transmit MARK as the higher radio frequency (LSMFT). On an s.s.b. transmitter, use l.s.b. mode for the standard 2125 Hz MARK / 2295 SPACE demodulator filters. In commercial and military systems, a "reverse" polarity is often used.
4. How does your equipment dial reading relate to the actual frequency transmitted for MARK? An l.s.b. transmitter dial will read 2.125 kHz higher than the radiated MARK frequency. FSK transmitter dials may read either MARK or SPACE frequency.
5. Is your transceiver dial accurately calibrated? Most digital dials do not read the actual r.f. output frequency, but instead measure the frequency of an intermediate oscillator. The dial accuracy is therefore very dependent upon an accurate alignment of one or more heterodyne oscillators. Check receiver calibration against a standard radio signal (WWV, etc.) (This must be on the band and in the mode to be used to be meaningful...JB) and use a frequency counter to check the transmitter output frequency.
6. If you use an FSK input to a transceiver, does the receiver offset match your demodulator filters? For U.S. use, the offset normally will be 2125 Hz.

Once all of the above parameters are known, you should be able to do some simple calculations

to determine your correct digital dial reading. Some examples are:

1. K4CZ operates an RTTY mailbox on 40 meters. He specifies that the MARK radio frequency should be 7096.5 kHz. If you have an l.s.b. transmitter and use a "High Tone" demodulator, the correct dial reading will be 2125 Hz higher, or 7098.625 kHz. If you use FSK on an IC-720, for example, the dial will read 7096.5 kHz; a TS-930 dial in FSK mode will indicate 7096.33 kHz, the SPACE frequency.
2. A 20 meter net of mailbox users operates on an l.s.b. dial reading of 14,087.80 kHz. Actually, the net frequency has been defined by KOVKH as 14,086.625 kHz. Therefore, the correct dial setting for an l.s.b. transmitter is actually 14,087.75, which will be rounded to 14,087.7 or 14,087.8 if your dial has only 100 Hz resolution. An IC-720A used on FSK should be set to 14,085.6 kHz; set the TS-930 dial in FSK mode to 14,085.46 kHz.
3. Suppose a MARS net is to operate on a CENTER frequency of 13,995.500 kHz, 850 Hz shift, with MARK on the higher radio frequency. The MARK frequency is therefore 425 Hz above the center frequency, or 13,995.925 kHz. The l.s.b. transmitter dial should be set to 13,998.05 kHz. The IC-720A dial would be set to 13,995.9 kHz (MARK frequency); the TS-930 dial would be set to 13,996.08 kHz (SPACE frequency).

Conclusions

It can be seen that there are at least two different ways that the same RTTY operating frequency can be specified. Also, the digital dial reading of your transceiver may not agree with this specification. However, the correct dial setting can be calculated simply once all of the parameters have been defined. The calibration of the transceiver dial and the alignment of its internal oscillators can greatly affect the relation between dial reading and the actual output frequency. Also, not all FSK circuits behave the same and dial readings may vary between brands of equipment used. If you use an l.s.b. transmitter, the dial reading will be different from that of an FSK transmitter and will also be different between stations using "HIGH" or "LOW" tone demodulator units.

When receiving, there is no substitute for using a good tuning indicator. An oscilloscope has been the traditional tuning indicator for RTTY; some meter and LED array indicators also work well. A flashing light impresses visitors, but gives you little tuning information. When setting and checking your transmitter frequency, a frequency counter is very desirable. If the calibration is known, a second communications receiver or a heterodyne frequency meter (such as the BC-221) also may be used in order to get on frequency and then stay there. You must know your equipment and be able to check it.

Well, that is the article. There isn't much I can add except that with the simple TU that I use, and the casual operation I do, an LED that monitors the lock indicator from the XR-2211 helps retrain my memory of what a RTTY signal is supposed to sound like. I seldom fire up the old TU in which I built a CRT tuning indicator. After a few hours of operation, the ears become pretty well accustomed to the sound of a properly tuned RTTY signal anyway, much like tuning the voice with phone s.s.b.

Hal Communications has a set of informative papers written by Bill Henry that would be a worthwhile addition to any RTTY's library. I would imagine that they would be free for the asking. I picked mine up at the HAL booth at the Dayton Hamvention and they were freebe. (By the way, it is about time to be thinking about that adventure again...tickets are in hand.) Joe, K5JB



The Great Plains Amateur Radio Club held its monthly meeting on February 12th at the Woodward Public Works Building. One week late again folks, this time due to snow. Spring will be very much welcomed and appreciated around here I believe. We had a very good turn out this time with nineteen members and guests present. The topics of discussion consisted mainly of amending the Club Constitution and By-Laws. It was both time consuming and confusing, but well worth the effort as the changes were very much overdue. With these matters of confusion behind us, or for the most part I should say, our thoughts and efforts can be channeled to the more interesting events forthcoming.

One new member, KA5VAY, Don Rogers was inducted into our club. We welcome you to the Club, Don.

Two new Directors were elected to the Board of Directors. They are: Bart Lawson, KE5RB, of Mooreland (recently upgraded), and Rod Ford, WB5OVT, of Gage. Congratulations Gentlemen (I have to say this as one is my husband), and good luck!

ATTENTION! ATTENTION! ATTENTION!

"Unbelievable" is the secret word for this month. It is really hard to believe the number of hams in this area that upgraded recently at the Vici testing. Gerald, N5CCV, and myself feel very humble and yet honored to be in the presence of such enthusiastic, fearless, and so forth and so on, downright brilliant folks. Right Gerald? I believe, that being as I am, I will take the coward's way out and not try to name them all for fear of leaving someone out. Instead, a hearty Congratulations to all. One could easily say that the Vici testing was a huge success.

Compiling profiles of our club members is a very easy task on one hand but difficult on the other as it is hard to choose a subject from so many who are deserving. I do not believe that there is anyone in our club (excluding myself) that is not outstanding in his or her own right as an amateur.

This month, I wish to bring to your attention a very new, outstanding young amateur, Michael Bowman, N5HIH. He is the son of Mr. and Mrs. Mervin Bowman of Vici, Oklahoma. Michael is 15 years of age (soon to be 16 the 27th of March) and is a Sophomore in Vici High School. Can you believe that he has served one year as an amateur and now holds a General Class License? Not only that, but he is the founder and net manager of the Okla. C.W. Net which is held on Tuesday, Thursday, Saturday and Sunday at 9:00 p.m. on 3740. Another hobby (how can he find the time?) of Michael's is motorcycle riding. It is very reassuring and refreshing to see a young person displaying such enthusiasm and enjoying it as much as he does. This is not the tail end of our local Ham youth movement (and "Now for the rest of the story") because Michael has an even younger brother Mark, N5HJA, keeping up alongside. Both of these young Gentlemen are very active in our club activities and on area nets. Knowing the fact that our youth are so enthusiastic and capable "Don't it make you Wanna Dance" and see how much you can accomplish?

MINUTES OF MEETING FOR ACARC

The meeting for February was called to order at 7:28pm by the president, WB5SVN, with 27 attendees. Started by a round of introductions to find out just who we all were.

No old business on the menu so we just progressed on to the new stuff. The club treasurer Bob Pace, WA5CJG is going back to school to obtain an associate degree and will not be with us for this season but will still take care of the dues via the Post Office. If you have to renew your membership just mail your dues in to the club post office box and 'ole Bob will get your card back to you. Go after your degree Bob and more power to you!! As of this last meeting the club does not have a secretary but hope to have one in the near future as Steve Bense does not like to take notes. Hi Hi. Thanks any way Steve, WA4OLE!!

Tom Mangham, K5LDI gave a report on the CORA activities:

1. Volunteer Exam Program
2. Budget and plans announced for HH XII
3. QCWA will handle the ARRL booth
4. Ladies program (non-technical) is open

A motion was made by Carl, W5JJ and seconded by Jim, K5PER that the ACARC would handle the non-technical program if MORI turns it down, but the motion did not carry. Then Tom, K5LDI moved that ACARC help support MORI if needed with the non-technical program, seconded by K5PER this motion carried.

Information was passed on to the members about the up-coming WeatherNet (SKYWARN) Program on the 19th of February. That is on a Tuesday, so I hope to see a lot of new faces and guests.

The floor was then turned over to Ellard, W5KE who enriched our knowledge about the aspects of buying used equipment. I must admit there is more to it than meets the eye. Ellard had some reservations about the program but once he got going he didn't know where to stop. He really got wound up in his program and it was very interesting. Thanks Ellard for a very good evening.

Next month on the 7th of March Carl Drumeller, W5JJ will give a presentation on antennas, which we all can use. Carl has written many papers and articles for Ham (Amateur) publications.

On April 4th it will be Bill (Wild Bill) Brodie, K3TGY who will talk about the problems and enjoyment of communicating with fellow hams via satellites. Bill presented this program a few years back and it was a hit. I know it will be another excellent meeting for all.

Hope to see ya'll at the next meeting.

Jack, WB5SVN

MORE ATTENTION!

The 4th Annual Great Plains Amateur Radio Club Eyeball QSO and Swapmeet will again be held at Mooreland, Oklahoma, Sunday, April 14, 1985. The doors will open at 9 a.m. and VE Testing will commence at 9:30 a.m. To insure that all can be tested, please forward 610 forms 30 days prior to the test date. Further information is available from Gordon Richmond, NR5L, Rt. 1, Box 12, Mooreland, Oklahoma 73852, phone (405)994-5394 or from Gerald Bowman, N5CCV, Box 356, Mooreland, Oklahoma 73852, phone (405)994-5453. If you haven't attended this event previously, make your plans now and allow us to show you some Northwest Oklahoma Hospitality.

With this, I will bring to a close another episode of the G.P.A.R.C. News. So Long and see you next month (a warmer one, I hope).



BICENTENNIAL AMATEUR RADIO CLUB

"To Promote Radio Communications"

FEBRUARY MEETING OF 76ERS

Meeting was called to order at 7:30 By President Don Duck. Introductions followed.

Treasurer Report: There was no treasurer report due to the absence of same.

Secretary Report: There was no secretary report due to the secretary being absent at last meeting.

Repeater Report: Dick Baker reports the repeater is working great its just that it doesnt get much use. George reports that the controller is still waiting for him to have time to get back to it. A repeater committee meeting was called for this coming sat.

C.O.R.A. Report: Jim Buswell reports that the contract for HH85 has been signed with the Lincoln Plaza and also that reservations have been made for 1986. The Grand Prize for HH85 was announced and it is a complete FT757 transmitter. It was also noted that a new FAMILY Ticket will be available this year, meaning if you have non hams in your family that want to attend they can get in at half price, but are not eligible to win any of the prizes. The OCAPA weather meeting was also announced.

Old Business: none

New Business: The repeater society has announced some new repeater splits. repeaters now will be set up on an 20kc split rather than the old 30kc. Don Prater K5CAY of Stillwater is our local coordinator.

Jim Buswell announced that W5SWW is now a silent key

N5PT Paul Thompson our ARES director handed out some sign up cards. Paul says that ARES is starting up again.

The business part of the meeting was adjourned.

The program for the night was a film on digital electronic troubleshooting, every one seemed to enjoy it and we have a promise of some more of these type films in the future. The meeting was adjourned for a discussion of our part in the weather spotters network.

Jerry Sproul N5AUH



Members of MORI held the first meeting of 1985 at the Civil Defense Auditorium at the State Capital.

THIS WILL BE THE PERMANENT MEETING PLACE !

For those who could not make the February meeting because of the weather, the Auditorium is large with comfortable chairs. The parking is abundant, lighted and secure.

PLEASE NOTE: When entering the door of the building you MUST sign the register!!! Security failed to tell anyone and they interrupted the meeting to inform us. When leaving you must sign out. (State law in case of an emergency requires this).

Merwin, K5ELL is asking that anyone who wants to "rag chew" during rush hours to please use the .34/.94 machine so that emergency calls can be made when needed. Otherwise the timer will be set for thirty (30) seconds.

Also, a new location is being sought for the .34/.94 machine. Have any suggestions?? Contact club president or trustee.

A new Novice class will start on March 4th at the Red Cross building, for twelve weeks, the time is 7:00pm.

The March 5th meeting of MORI will be noteworthy. Jack Muse, WB5ZKE, State Civil Defense and N5PT, Paul Thompson, will be the guest speakers.

Hope to see you there ! !

N5HII

FOR SALE: (1) Ten-Tec Omni C xcvr, (1) Ten-Tec Power Supply, (1) Tenn-Tec VFO for Omni C. All in good condition and work like new. \$800.

(1) NYE phone patch with speaker. \$50.

(1) Set of Kenwood Twins, model 599A, with built in AC power supply. It transmits 80-10 meters and receives only 160-2-6 meters. The mode is CW, LSB, USB, AM, AM-N and FM with mike, Shure 144D, looks nice, good condition. This is all solid statr except the finals and driver. \$300.

(1) Yaesu 150 power meter with dummy load, like new. \$80. Harry, KC5OU, Vici OK 73859, 405-995-4761.

YOU KNOW IT'S GOING TO BE A BAD DAY ..WHEN..

Your weife uses one of your dipoles for a clothesline.

You need this one last contact to get that special certificate--and blow a final before you get his call.

You are sitting there hearing Australia coming in on CW and you have your fingers in cast, having just broken them.

You look all over for your portable 2 meter antenna and find your son is using it for a fly rod.

You get set to put that brand new rig on the air and find out your XYL gave the mike to the baby to play with, and he burped all over it.

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Q. R. Zedd

ZEDD ANNOUNCES PLANS FOR GREATEST FEAT

Q. R. Zedd, A5A, the world's greatest DXer, will attempt to work his home station from all the countries on the DXCC list starting March 8, he announced this week.

Zedd, Oklahoma's gift to the world of amateur radio (not to mention women), and holder of the coveted Worked All Stations award on every band known to man, made the announcement at his home, Honor Roll Ranch, just a hoot and a holler south of Norman.

Zedd said he plans to leave San Francisco on March 7, and work the first portion of his journey, all the DX in the Pacific, on March 8.

On March 9 he will work out of all Asian countries, and on March 10 he will finish off Africa and Europe. The 11th will see him work out of both polar regions, while he will do South and Central America on the 13th, and mop up loose ends on the 14th before returning to the U.S. prior to nightfall on March 15.

Zedd will travel in a special highspeed aircraft of his own design. He said he anticipates no problems "barring nosebleeds."

Tondelayo Schwartz, Zedd's blond, nubile, 20-year-old QSL secretary and constant companion, will accompany him on the journey. While Zedd operates the rigs, Tondelayo will be in charge of logging as well as maintain a stable supply of food and drink, Zedd said.

Zedd's momma, Mrs. Constance Wilhemina Zedd, of nearby Mena, Ark., will person the home station.

"I figure working my own self from everywhere will be easy enough," Zedd said in his press release. "To make things more interesting, I will also try to work 5 or 10 K from each stop, and even listen for W5LPK."

It was announced in Newington that the American Radio Relay League will award special brass suspender buttons to all amateurs who work the great man on all of his DXCC stops. Details of Zedd's journey, along with propagation forecasts, will be broadcast at 18 minutes past every hour.

Comment on Zedd's plans were quick in coming.

"It is wonderful to see that the spirit of free enterprise is alive and well in this country, and I just hope he uses American-made equipment," said the President of the United States.

"What American equipment?" asked a spokesman for Japan?

"As usual," said Ohio Dyer Bill Buckeye, "Zedd is showing off. I thought he would keep his yap shut after his Sooners got creamed in the Orange Bowl, but no, he has to keep on showing off. I don't know when he is going to learn humility. Incidentally, we didn't really lose in the Rose Bowl. We just got mixed up on what quarter it was. To prove that, let me point out that we scored three field goals in eight minutes right after the USC team went to the locker room."

"I hope Zedd can find his way around the world," said Bill Blast, operator of the famed Blast Off DX Net. "And I can assure the world that I will be up there on frequency every morning, taking lists that we will not hold over. As usual, I will be the most important person in this DX effort."

"Is stupid!" commented Russian DXer Boris Badenov. "Is filthy capitalist swine imperialist lackey trick! Is it not true this feat was already done by great radio sportsman of the Soviet Union in 1913? Dah?"

"If that feelthy blond girl goes along on this trip, I will wait until she lands in Mother Russia and then I will stick her with

There is one thing you can do better than anyone else in the world - read your own handwriting.

A flood is a river too big for its bridges.

SAFETY FIRST: To drive a nail without smashing your finger, hold the hammer with both hands and have your YF hold the nail.

What Fred really needs are open-toed golf shoes so he can pick up the tees without bending over.

What this country needs most are family trees that produce more lumber and less nuts.

On the rifle range the sergeant explained, "This type of bullet will penetrate two feet of solid wood ... so be sure and keep your heads down."

There would be a lot of live wires that would be dead if it wasn't for their connections.

We don't spread any gossip about our CORA president-- unless it's good. And, wowieeeee, is it usually good!

You can get firsthand knowledge from a second hand rig.

Bruce went to a car dealer to try out a new Toyota. However, he didn't buy it because he turned on the radio and couldn't understand a word.

Jeff put a chain around his neck to look macho. A girl came along and locked her bycycle to him.

If you want to get rid of the noise in your car, let her drive.

BULLETIN BOARD NUMBERS

Alcatraz	348-4811	High-Tech	528-8009
Apple Flyer	793-7562	Infocomm OKC	942-1375
Asylum(weird)	454-3904	Jamm Comm	677-2932
Tari Revolut	354-7469	Mega Com	354-0732
Buckboard	528-3175	Nitehawks	728-3790
BagEnd(8:30- to 9:30)	528-3898	Omega Com	685-4688
Chickasha	1-224-9010	On Line 1-800-438-2438	
Coconet	376-1494	Otis	373-1893
Commodore	366-7345	PCWCC	787-1814
Commodore'Hot	324-5020	Peoples	946-5333
Commodore	381-2041	Pirate	799-8076
Commodore	643-4890	Phoenix	340-8421
Datacomm	341-3149	Ponca City	1-765-2598
Defcon1	528-2054	Powersurge	751-0032
Dis Dragon	751-6901	Realm Darkness	354-5169
Enchanter	495-2718	Revolution	354-7469
Enigma(ATari)	670-6511	Second Hand S	946-2888
Flex-Net	728-7654	Stargate	340-8588
Galifery	840-3860	Super Com	789-6829
Gamemaster	681-6842	TACE	670-6511
Gemini I(Com)	672-2535	Team Electro	793-8300
Gemini II	732-1160	Timewarp	672-8094
Gemini IV	794-5288	Scoreboard	360-7169
Gemini VI	691-2381	Shawnee BBS	1-273-4850
Heathkit	848-9329	USEMC	360-3020
		Wizards Scrol	769-7828

COCONET 376-1494

my knife!" said Natasha Bullwinkle, Badenov's companion from Box 88.

"Pooh," said Tondelayo.

Reports on the great expedition will be collected from AP, UPI, Reuters and the world bureau organization of Oklahoma C&E, and will be presented in this space next month, the good lord willing and the sap don't rise.

-- KU5B

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
MARCH The managing editor assumes no responsibility for the data contained herein.		BROKEN ARROW FLEA MARKET 2nd Saturday 8 to 12+				
	<u>CIMARRON</u>	M O R I Great Plains		Aeronautical Center ARC		SCARS ARDMORE
3	4	5	6	7	8	9 COCO
Wheatstraw	EDMOND Club	②		ALTUS AREA		VHF Club FREE COFFEE + DONUTS 10 AM RED CROSS
10	11 BUSINESS MEETING	12 76'ers	13	14	15	16 16TH OR 23RD E.A.R.C. TRANSMITTER HUNT. CHECK 147.030 FOR CORRECT DAY
EARS		AUTOPATCH		KAY County		
17	18	19	20	21	22	23
24 73 MAGAZINE'S HAM-BOY IS DINO HAM FORNO TODAY	VEC EXAMS EDIT Central Oklahoma Radio Association COLLECTOR - EMITTER	CORA WINTERING RED CROSS EVERYBODY WELCOME			TELECONFERENCE RADIO NET 8 PM 147.030 "VHF/UHF ANTENNAS" JIM LARSEN KTGE	
31		26	27	28	29	30

VEC EXAMS MONTHLY, 4th MONDAY WALKINS WELCOME

A black and white line drawing of a man and a woman in 1920s-style clothing. The woman, on the left, is wearing a short-sleeved dress with a dark vest over it and a cloche hat. She has one leg raised and her arms are raised in a joyful pose. The man, on the right, is wearing a light-colored short-sleeved shirt and shorts. He is also smiling and has his arms raised. The style is simple and illustrative, typical of early 20th-century magazine art.

S.W. 27th and Blackwelder
Sunday 10 A.M. and 6 P.M.
Wednesday 7 P.M.