

Collector & Emitter

Central Oklahoma Radio
Amateurs, Inc. Publication

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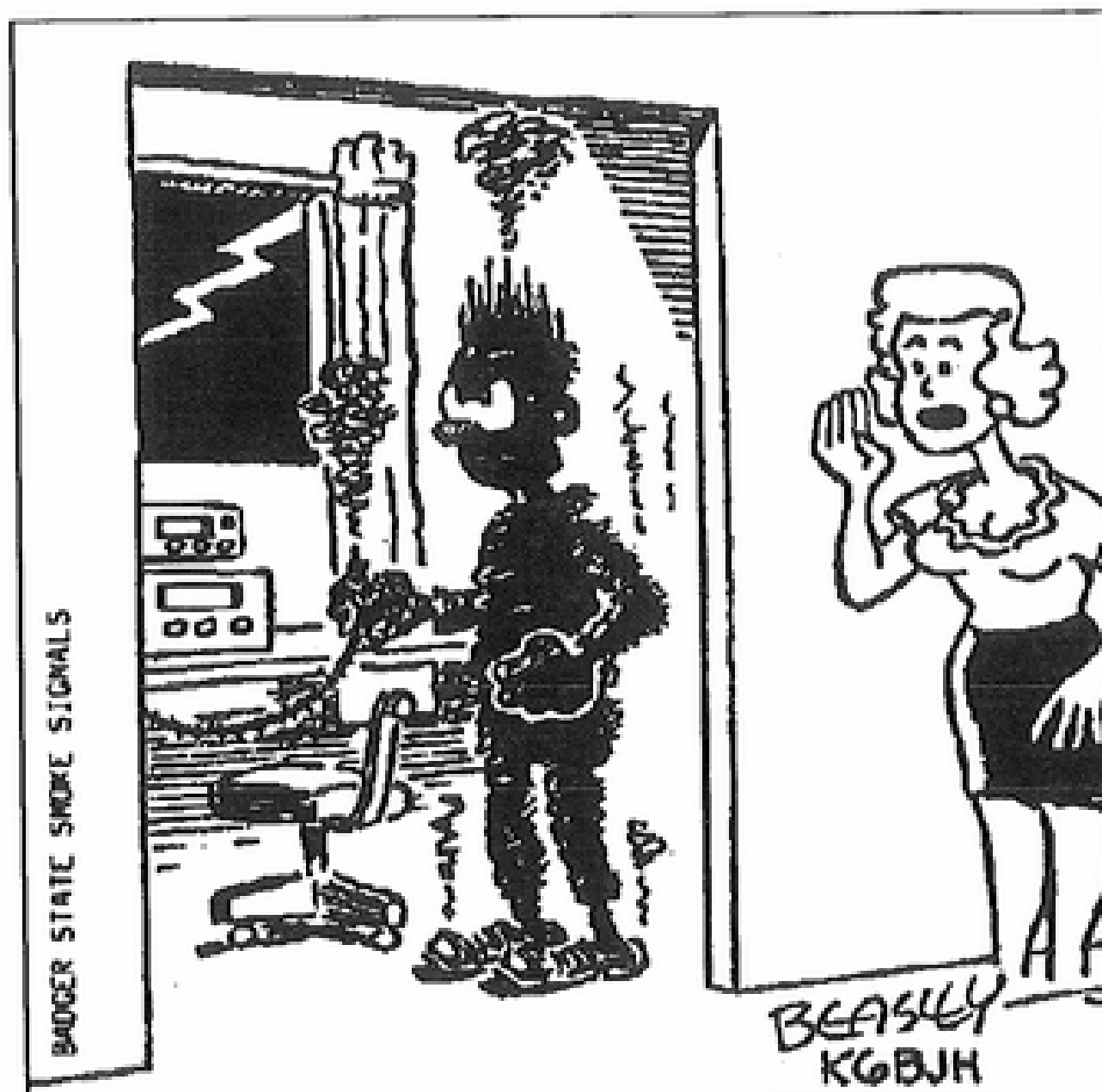
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Periodical Mail

Charlie, K5PCC

**Restructuring
Happening Everywhere?**

Navy to the Core



DEAR, DID YOU REMEMBER TO DISCONNECT
YOUR ANTENNA BEFORE THE ELECTRICAL
STORM?

Joe Harding Memorial Scholarship

New Clock at NIST

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

Dear Subscriber:

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

2000/12	1	2	4	6	MZ
JOHN E. DOE, KA5ABC					
1234 SW 56th STREET					
RADIOVILLE, OK 74321-9876					

The "2000/12" means the year/month C&E subscription expires.

Dear Secretary / Treasurer:

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

March 2000**VOL. 26, No 3 Issue 301****Collector and Emitter
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1. Aeronautical Center ARC Meets: 1930L, 1st Thursday, FAA, S. MacArthur, OKC Pres.: Bob Kremer, WA9FCT 381-3182 VP: Chuck Bryant, KB5ZVZ 737-0423 Sec/Tr.: Brad Nelson, KJ0W 793-9470 Editor:	10. Oklahoma DX Association Meets: Hamfests and as announced in C&E. Pres.: Larry Shima, W0PAN 405-721-8138 VP: Lu Fisher, K5YP 580-254-5641 VP: Sec./Tr.: Jerry Chouninard, K5YAA 918-341-2659 Editor: Nelson Derks, KC5QVV 918-451-1594
2. Oklahoma Central VHF ARC Meets: 1130L, 2nd Wednesday, Home Town Buffet, 3900 NW 63 rd , Oklahoma City Pres.: Bill Noland, WA5FWD 354-5018 VP: Sec: John Dome, KB5WVE 842-3493 Treas.: Jim Speck, W5AI 842-3055 Editor:	11. Edmond Amateur Radio Society Meets: Odd Months, 1400L, 3rd Sunday, St. John's the Baptist, Even Month, Dinner, 3rd Saturday Pres.: Curtis Foote, KC5GEP 359-6514 VP: David Wolf, KC5KJE 340-7486 Sec: Robert Coxey, KM5GZ 478-5715 Treas.: Gary Carson, KD5CPL 751-0006 Editor: Curtis Foote, KC5GEP 359-6514 http://edmondsun.com/ears
4. Oklahoma City Autopatch Assn. Meets: 1930L, 3rd Tuesday, Salvation Army Bldg NW 50 th and Penn, OKC (Back Door) Pres.: Glynn Massey, N5WNL 631-2731 VP: Ron McCubbin, KC5QCV 341-0591 Sec: Forrest Rush, N5VWF 842-8486 Treas.: Mark Watkins, KD5CXP 340-8596 E-mail: ocapa@juno.com	14. Cimmaron Amateur Radio Assn. Meets: 1930L, 1st Thursday, WX5Y Playhouse 827 S. 13th, Fairview Pres.: John Medley, N5WVU 580-227-3534 VP: Kenneth Monahan, KB5SOM 580-227-3064 Sec: Dennis Painton, WK5V 580-764-3599 Treas.: Nadine Painton, N5FMH 580-764-3599 Editor: Kenneth Monahan, KB5SOM
6. Altus Area Amateur Radio Assn. Meets: 1900L 2nd Thursday, Southwest Area Vo- Tech Center, 711 W Tamarack Altus, OK Pres.: Dale Town, N5VX 580-477-4027 VP: Mike Schenkel, W5VXU 580-846-5578 Sec: Ron Roman, KD5CYW 580-482-8446 Treas.: Fred Cramer, KC5SRJ Editor: Ron Roman, KD5CYW 580-482-8446	15. South Canadian ARS Meets: 0930L, 2nd Saturday, Red Cross Bldg North OU Campus, Norman Pres.: Tom Miller, KD5ENL 321-7889 VP: Ed Berkowitz, N3US 364-8884 Sec: Bill Baker, N5UMH 366-8641 Tr: Jeff Wyke, KT5OK 329-6762 http://www.telepath.com/N5DKR
7. Enid Amateur Radio Club Meets: 1900L 4th Thursday, American Red Cross 400 N Grand, Enid, OK Pres.: John Turner, KA7GLA 580-242-6802 VP: Al Fox, KD5BA 580-242-4800 Sec: Dave Chael, KC5GUD 580-242-3445 Treas.: Dwayne Posey, KC5QVS 580-237-3218 Editor: Dick Stricker, NJ5S 580-233-9869	17. Ada Amateur Radio Club Meets: 0900L, 1st Saturday, Salvation Army Bldg 115 N. Oak St., Ada, OK Pres.: Steve Wilson, KD5DKZ 580-332-1473 VP: Charles Eiter, KC5TGA 580-436-4425 Sec: Darla Coffey, KC5RGU 580-436-1271 Tr: Marie Wilson, KD5EXM 580-332-1473
8. Choctaw Amateur Radio Club Meets: 1900L 3rd Monday, Eastern Oklahoma Co. Vo Tech, 4601 N. Choctaw Rd, Choctaw, OK Pres.: Dave Downing, WD5G 736-6377 VP: Don McDown, N5ENQ 732-6749 Sec: Tim Harper, KC5DSW 391-3096 Treas.: Ron Ernest, WB9DAF 769-3207 Editor:	19. Tri-State Amateur Radio Group Meets: 1930L, 2nd Thursday, Woodward, OK Pres.: James Hand, NW5OK 580-994-6118 VP: Larry Goodwin Sr. K5LHG 580-886-3283 Sec/Tr: Gerald Bowman, W5AOK 580-994-5600 E-mail: W5OKT@unibuilt.com
9. Wheatstraw Amateur Radio Club Meets: 1430L, 2 nd Sunday, Location Varies Pres.: Neal Kappus, N5KCO 405-262-1151 VP: Ray Barnes, AB5Z 580-274-3334 Sec/Tr.: Joe Garland, WA5FLT 405-893-2660 Editor: Ralph Wilder, W5PFFK 405-623-5421	Central Oklahoma Radio Amateurs Meets: 1930L, 4th Tuesday, Salvation Army Bldg NW 50th and Penn, OKC (BackDoor) Pres.: Harold Miller, KB1ZQ 672-7735 VP: Tom Webb, WA9AFM 737-6716 Sec: Forrest Rush, N5VWF 842-8486 Treas.: Perry Jenkins, N5PJ 354-5075 Editor: Harold Miller, KB1ZQ 672-7735 E-mail: n1lpn@swbell.net

Deadline for April, 2000 Issue of *Collector and Emitter* is Friday, March 31, 2000. Send all Articles to *Collector and Emitter*, 4216 Spiva Drive Del City, OK 73115-4424 on 3 ½ inch floppy or e-mail to n1lpn@swbell.net. Articles received after the deadline may not be printed that month. Questions please do not hesitate to call - 405-672-7735 / 405-650-9963.

Central Oklahoma Radio

Amateurs, Inc.

Minutes of the CORA meeting for February 22nd, 2000.

The meeting was opened at 7:30 PM by the president of CORA, Hal Miller, KB1ZQ. There were three clubs represented EARS, SCARS, and OCAPA.

Secretary's Report - The minutes for the meeting of January 25th, 2000 were approved as printed in the C&E.

President's Report - CORA is in receipt of two E-mails; one from the Broken Arrow Amateur Radio Club, signed by Joe Horn; One from the Lawton/Fort Sill Amateur Radio Club, signed by George Summers, KK5QY and Charlotte Cole, KB5OJV. Both notify CORA that the subscription for their club members be discontinued.

The insurance for damage to the towers has been renewed and members participating in this program have been billed their share.

HH 2000.

While we have not heard anything back, Mr. Hollingsworth of the FCC has been invited to HH 2000.

Also invited are Mr. Jim Haynie, President, ARRL, and Mr. Coy Day, Director, West Gulf Division.

Tom Webb reported that the advertisements for HH 2000 have gone out to all Amateur Radio Publications. We have received 6 free subscriptions from World Radio to be used as prizes; Nuts and Bolts will again send their magazines.

The Explorer Post has put HH 2000 on their calendar; those young people will handle daytime security for HH 2000.

There was discussion of how to most effectively use the Hobbies, Arts and Craft/ Modern Living Bldg.

CORA has secured the use of OCAPA's canopy if we need it.

Scholarships - The CORA scholarship form will be run in the March issue of the C&E. All qualified amateur radio operators as urged to apply, as this is a \$500.00 scholarship.

The next meeting will be on March 28th, 2000, at 7:30 PM. It will take place at Salvation Army Divisional Headquarters at NW 50th and N. Pennsylvania. Be There!

Respectfully submitted,

Forrest Rush, N5VWF
CORA Secretary

April 16th CORA VE Session

A special session of CORA VE testing is scheduled for Sunday, April 16th at 1:45 PM. This will be held at the Edmond Downtown Community Center, Room 227, 28 East Main, Edmond. The Edmond Amateur Radio Society is hosting this event. This will be a complete test session using Amateur Radio testing materials valid as of April 15, 2000. The VE team will also be available to process licensing materials, for upgrading, per the FCC Restructuring Plan.

Bring necessary documentation, as needed, to the test session. To help us plan for this session, an RSVP is requested. When making your RSVP, advise of your testing or upgrading plans for the April 16th session. Confirm your planned attendance to wb5syt@arrl.net or 844 1800.

On behalf of the CORA Team
John-WB5SYT

Chit-Chat

By Linda Miller, N1LPN

For the next few months I will be taking Chat-Chat into a direction a little different from the past articles I have written. In the past, I have written stories and articles about my life and the values I hold so dear to my heart. Writing, for me is a way to express in words what is in my heart and a window into my very being. So, what do I plan to write about for these next few months? I will be sharing with you poems, songs, stories and events that have touched my heart throughout the years. Written words that made me to think, question, laugh, become teary-eyed and grow into the person I am today. I am still a work in progress, still learning and struggling to become the best person I was created to

become. I hope that through these articles they will bring to light precious memories of your own life and will bless you once again.

Turn, Turn, Turn...

It was a humid Texas Spring night and the year was 1966. I was suppose to be sleeping but the air was heavy and stuffy. Not a whisper of a breeze came through my opened window. I had a habit of putting my Transistor AM Radio under my pillow and listening to it with an earphone when I had trouble sleeping. I was not suppose to listen to the radio after bedtime but it helped take my mind off of being sticky and hot.

Moonlight drifted through the curtains, bringing softness to the shadows of the night. I pushed the curtain open and looked up at the stars and wondered if morning would ever come. As I was searching the heavens from my window, a song began to play on the radio.

I had heard the song before but had not really listened to the words until that night. I had heard the words before but not sung. The title of the song is, "Turn, Turn, Turn," by the Byrds. I could not believe it but they had taken verses from the Bible, added music and made it into a hit song.

The words seemed to float and drift through me and they made sense, I understood what they meant for the first time....

"To every thing there is a season, and a time to every purpose under heaven:

A time to be born, and a time to die; a time to plant, and a time to pluck up that which is planted;

A time to weep, and a time to laugh; a time to mourn, and a time to dance;

A time to cast away stones, and a time to gather stones together; a time to embrace and a time to refrain from embracing;

A time to get, and a time to lose; a time to keep and a time to cast away;

A time to rend, and a time to sew; a time to keep silent and a time to speak;

A time to love, and a time to hate; a time of war and a time of peace.

ECCLESIASTES 3:1-8; KJV

Years later, I still find myself going back and re-reading these verses and sometimes singing them to myself. Each time, I find comfort and reassurance that all is as it is meant to be in it's own time.

Until next month....

Covertly employed by a government agency with no name, issued an international license with no restrictions, and sworn to achieve one goal: The exploration and understanding of the most extreme fringes of communications technology. You can join the adventures of Doug Xander, perhaps the most technically adept Radio Amateur in the world, by reading:

D'X FILES

Episode Fourteen: Like Two Ships Crossing Paths In The Night...

Continued from Episode 13... "A Butte Of A Signal From An Unlikely Source"...

Xander approached the front door and paused for a moment as Xowolski caught up with him, then knocked firmly... After a few moments, the door opened slowly and a shadowy figure drew near the light. Xowolski gasped... The man at the door was the exact image of Xander himself.

Xander turned to Xowolski as the late afternoon sun highlighted their faces, then said: "May I introduce you to Damien...? Damien Xander... My Evil Twin".

Damien? Who's Damien? The man at the door replied... Xander was a bit surprised at his reaction since he knew this man was his twin in a way that only twins can know. Xowolski was slightly confused as there was a remarkable resemblance, but considering the location and the odds, she reserved her judgement.

"I was under the impression your name is Damien, is that wrong?" Xander said with a smile. There's no Damien here, replied the man at the door. I think I've heard the name before, but there's no one around here by that name. And what's that about an evil twin? "Well, not exactly" Xander replied, "We're CB'ers and someone around here has the most bodacious signal I've ever heard and I thought it was from someone using a handle like Damien... I'm kind of a big-signal operator myself and curious if I had a twin on the CB". Xowolski rolled her eyes in a way that said it would be a very long ride home. The man laughed, then said: "Big Signal Operators, Huh ???

Are you from the FCC?	"No."
Are you from the Sheriff's Office?	"No."
Are you from the ARRL?	"No."
Are you from the OKDXA?	"No."
Are you from the SPCA?	"No."
Are you from the GOP?	"No."

Are you a Lawyer? "No."
Are you sure you're not a Lawyer? "Yes"

Well... In that case, my name's Ben, as in Benton Harper... I use "Smokey" for a handle 'cuz I can smoke anybody on the channels. Come on in and let me show you how a real CB operator puts the fire in the wire and plugs your ears with modulation that's wall-to-wall and treetop tall from the shaky side to the smoky side and everywhere in between... Xowolski was thrilled by the prospect. (not)

Ben invited them into his shack... And what a shack it was. Three rooms, all of them packed from floor to ceiling with every type of electronic gear imaginable, almost all of it from Heathkit. Radios, scopes, VTVM's, Stereo and TV gear, you name it, if it was painted "Benton Harbor Green" it was probably there. Somewhere. Endless stacks of radio hobby magazines were mixed in among the gear... *QST*, *CQ*, 73, many of them sporting an ancient piece of Heath gear on the cover, plus hundreds of boxes of spare parts. To the untrained eye it was an infinite clutter, but Xander noted evidence of a subtle but effective organization and that everything was kept in near pristine condition. It was no accidental assemblage or a pile of junk, it was a shrine to the heydays of rosin smoke and the home brew electronic arts.

Xowolski had a differing opinion and took care not to touch anything or wander more than a few feet inside. She also had that look... You know, the look all women are genetically programmed to display when confronted by such a superb example of manly housekeeping... To her, the rocky cliffs and nuclear waste outside seemed cozy by comparison. A set of curtains, a few pillows, the rocks had more potential.

In a corner of the front room was what appeared to be the operating position, a sturdy desk remarkably free of the clutter surrounding it. Neatly lined up along the

back of the desk was a collection of Heath gear from the "*Boat Anchorus Maximus*" era... Xander studied the cabling layout for a moment to find a venerable D-104 and DX-100 transmitter combo feeding a power divider and four SB-220's. Wow... He thought to himself... Four stacked Rhombics, each fed by a dedicated linear, this guy could be HUGE to all four points of the compass if the phasing was right... A second glance revealed four Figure 8's of RG-213 on the wall. The array was phased and Ben was just one surprise after another. The primary receiver was some what obscured by a pile of QSL cards, but appeared to be one of the old Apache / Mohican / Navaho series. It has been quite a few years since Xander had seen one, but for some reason he never paid much attention to the Heath gear at HamFests... They always reminded him of the story about the Fugawee Indians, but that's a tale for another episode. Then he noticed the QSL cards were old. With his first call on them. From when he was a teenager...

Pardon the mess, Ben said, but all this gear is here to use, not to clean or play house with. When I drop the hammer I figure I'm putting out more than 4,000 pounds of modulation. You gotta' know when I call '*Break 19*' or '*QRT DX*' everybody hears it. "It's quite a set-up" Xander replied, "With those big antennas and all the horsepower you have it's no wonder I've heard you all over the country". Damn Straight, Ben replied, I've got these puppies tweaked and peaked for maximum smoke and there's probably none better. "It sure sounds good on the far side. You've been at this for a while?" Xander asked... Just about all my life, came the reply. Me and my brother built a Heathkit when we were teenagers and I've been collecting them ever since. Got this DX-100 modulating the full channel and I don't have to push it to sound loud... This ain't no CB junk, this is a real Amateur Quality radio with tubular audio...

Wow... Xander couldn't believe it... Ben really was his long-lost twin brother. But it still seemed odd that Ben hadn't sensed the presence of his twin. Then again, you have to know the rest of the story to fully understand why...

Many years ago they were both incredibly bright students, famously talented in the Geekly Arts, who excelled in science and mathematics throughout High School... Well, at least until 'The Incident' Xander had so effectively put out of his memory until now. Although they were profoundly competitive scholastically, they were somewhat lacking in the social skills and could pull some incredibly misguided stunts while trying to outsmart each other. 'The Incident' involved the Heathkit HW-100 they had been given for their birthday in the summer between their Junior and Senior years... Both had earned their Ham tickets the previous semester through their High School ARC and it seemed the perfect gift for two aspiring young Hams. While their peers idled away their long summer days with sports and teenage socializing, the aroma of rosin smoke and Heathkit assembly diagrams were constant companions to the Xander twins.

Within a few days they had the transceiver assembled to the point of voltage checks, then Damien wondered aloud... "How can we check the high voltage on the finals? This VOM won't handle more than 400 volts or so." Xander quipped "That's easy, just grab the chassis with both hands and touch the tip of your tongue to the plate cap on one of the 6146's" Little did Xander realize that within an instant of the words passing his lips, Damien had made the voltage check... And would never be the same again.

Within days, Damien started listening to Underground FM stations instead of the DX window on 20... He could recite every word of the lyrics to Frank Zappa's album 'Return of the Son of Monster Magnet' verbatim, but lost the ability to copy CW... A week later, he started thinking of Suzy Creamcheese as a real person and started talking about moving to San Francisco but couldn't remember any of the Q signs. It could have been a sad and lonely summer for the Xander twins from that point forward, but Xander completed the transceiver and qualified for all-band

DXCC in the last two weeks before school started. Perhaps Xander was redirecting his embarrassment into the hobby instead of confronting it, but Damien seemed to enjoy checking the mailbox for packets of QSL cards from the Bureau... The colors and glossy print amused him. He was particularly fond of QSL's from the Bay Area; he'd point to them and say "Janis".

As the weeks turned into months and their senior year drew near graduation, Damien seemed to return to something of his old self. Although his grades had slipped, he was able to graduate near the bottom of his class. Xander graduated Summa Cum Five By Nine Plus Twenty and mailed out college applications... Damien worked a few odd jobs, then took off with a friend of his to California where they hoped to find work as roadies for The Grateful Dead. Xander could remember the day like it was yesterday... Damien in the passenger seat of the rusty-green VW Microbus as it drove away... The popping sound of the leaky exhaust manifold fading in the distance, the 8' stainless CB whip on the rear bumper glinting in the sunlight. It was only now that Xander appreciated what a lasting effect the exhaust fumes and CB radio had on Damien... His brother was still living in the early 70's.

Ben fired up the station and invited Xander and Xowolski to a demonstration of what it could do... I have the antennas set to talk into Florida right now, but I can switch them any way I want... As the tubes came up to full glow, the receiver came alive with CB chatter. Ben tuned to the busiest frequency on the band then spotted the DX-100 to match. Xander interrupted him as he reached for the D-104. "You've tuned to the busiest channel, wouldn't it be better to listen for a quiet one?" I always go for the busy channels... Ben replied. What's the point in hollering 'Break' if no one hears it? Considering the situation, this made sense, in an odd way. Xander glanced towards Xowolski to see how hard she was biting her lip... At this point she was convinced Xander had discovered an alien life form and it was best to observe with minimal intrusion. The day had already become one long version of *The Art Bell Show* to her...

Ben squeezed the D-104 and called 'Break' once. The frequency went silent

for a moment, then bounced back with a roar as hundreds of stations responded to his call. I love it when that happens, Ben mused, Let's see if I can do it again... Xander stopped him for a moment by asking how often he's able to carry on a conversation with someone. Ben couldn't recall. He called another 'Break' and let loose with a few lines of CB patter, followed by the receive audio overflowing with noise and whistles... Ben paused, then turned to Xander and told him he hasn't had a conversation on the radio in years... There are just too many stations piled on top of each other to hear anyone.

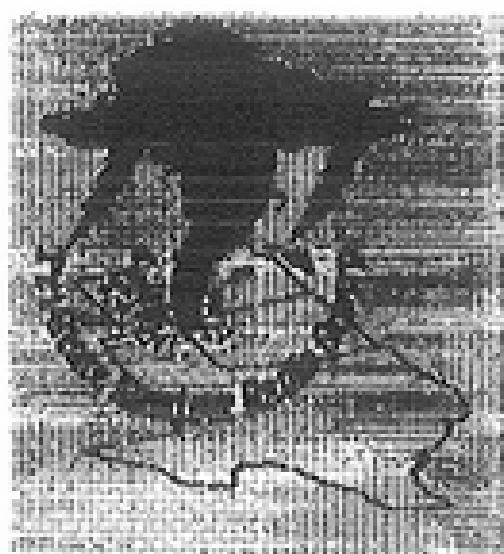
Xander asked if he could try something... Then tuned the receiver above 29 MHz. "Nothing up there", Ben said... Wait... Xander replied. He put the SB-220's on standby and tuned the DX-100 to the new frequency, then asked if the frequency was in use. Ben told him he was wasting his time. Xander called CQ a few times before a W4 call returned his call. Ben listened in amazement as Xander chatted with the Georgia Ham for several minutes without a bit of QRM, then looked Xander square in the eye and said "You're a HAM... Aren't you?" Yes, I am, and so are YOU! A confused look came over Ben's face as Xowolski began paying attention again...

Xander reached for the stack of his old QSL's and started going through them... I worked this E2 the day you were late getting home for dinner... Here's the first VK I worked after we got the HW-100 on the air. Don't you remember your brother Doug? Don't you remember when we got our licenses? Damien... I'm your brother! Ben was stunned... Then quietly asked: "Doug, what brought you to my QTH?" Xander had crossed decades to be there, and Damien hadn't used a Q sign properly since they were teenagers... This was a miracle, an absolute miracle!

As the two brothers talked endlessly about the years they had been apart, Xowolski curled up next to a stack of Commanche transceivers to get some sleep...

The QSO is out there.

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by Nelson Derks - KC5QVV
"Illegitimus Non Carborundum
Ipso Facto"



Tri-State Amateur Radio Group

W5OKT-Wonderful 5 Oklahoma Kansas Texas

Our Web Page:

<http://www.digitalcupboard.com/w5okt/>
Feel free to browse and drop us a note
w5okt@arrl.net

Wouff Hong: Tri-State will present a ceremony at Ham Holidays. More information to follow.

Year 2000 Plans:

MEETING: Town--Woodward, Ok.
Place--Northwest Electric Building
Time--7:00-7:30PM is social and fellowship 1/2 hour 7:30-9:00PM is the regular meeting of T-SARG February:

Fox Hunt: Sat. 26th, 2:00pm. Meet at Boiling Springs State Park. Jim NW5OK is the FOX!
Information will be available at the regular meeting. SOONER SALMMER.

March:

Picnic: Sat. 18, at 11:00am-12:00 EAT . Coordinator Duane KC5NID. Fox Hunt in park.

April:

Hamfest 2000 & Eyeball QSO:
OKLAHOMA

Tri-State Amateur Radio Group
(T-SARG)

Hamfest 2000 & Eyeball QSO
Mooreland, Ok.
March 31 & April 1

This years event will be held at the Mooreland Fairbarns in Mooreland, Ok. It is located 7 blocks north of the jct. of US412 and SH50 then 2 blocks west. On Friday, March 31, there will be a tailgate party and vendor setup from 5pm to 10

p.m. Also a hamburger feed will begin around 6:30 p.m. for those in attendance.

On Saturday, April 1, will be the main event. Dealer at this time is Rad-Com from Lubbock, Tx. featuring Alinco, Icom, Standard & ADI Radios. Admission is \$4.00 at the door. There will be plenty of FREE swap tables on a first come first serve basis. There will be a QRP forum, QLF contest and ladies program.

There will be VE Testing at 12:30 p.m. welcome & 1:00 p.m. start, see Home Page and click on VEC Team for information.

<http://www.digitalcupboard.com/w5okt/>

The National Weather Service of Norman, Ok. will conduct a weather spotting school starting at 4pm at the Mooreland High School on Saturday. Auditorium is located at the intersection of US412 and Elm Streets. Contact T-SARG for more info: w5okt@arrl.net OR Jim NW5OK 580-994-6118

Duane KC5NID 580-994-2223

Jay K5GUD 580-994-2751

SEE YOU THERE!

May:

BALLON LAUNCH: by Jerome K5IS. Sat. 13th. Information to follow.

June:

RELAY FOR LIFE: The16th at 7pm through the18th 7am at the Woodward High School football field.
ARRL FIELD DAY: 24th & 25th.

July:

Ham Holidays: 28th & 29th. We will be doing the Wouff Hong.

August:

Ice Cream Social. 12th at Christal Beach.

If snowed out, the 19th.

September:

BALLON LAUNCH: by Jerome K5IS Sat. 9th. Information to follow.

St. Jude Bike-a-Thon: Will be held at Mooreland Grade School the16th from 9:00AM - Finish. Talkin on 147.36+ with 88.5 tone. It is a bike ride (fund raiser) to support St Jude Childrens Hospital, Memphis, Tn. for cancer reserch and care. If your child is interested in riding contact Gerald for sign up and sponsor sheets. Event coordinator Gerald Bowman (W5OKT) (580)994-6118 w5aok@pldi.net The 23rd will be back up day if 16th is rainy.

October: 1. ??????????????????

November:

Election of Officers: for 2001.

December:

Christmas Party: Our annual party will be held Thur. the14th at 6:30PM. Regular meeting place. We will arrive around 6:30 for set up. For information contact Jim Hand 580-994-6118 or nw5ok@pldi.net

Jim, NW5OK
President T-SARG



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CHARLIE, K5PCC

By Jerome Doerrie, K5IS
Tri-State Ham Radio Group
k5is@hotmail.com

Sometimes having an amateur radio license open doors. This tale is about one of those times. Philosophers often say, "When you are ready, a teacher will appear." This time one did, in the form of a fellow student.

The new radio kit filled the surface of the round, 40" diameter kitchen table in the dorm suite. It was an Eico 753 three-band sideband and CW transceiver with many tubes. It was a rather ambitious project to undertake three days before the start of classes that semester. My girl friend had a job, so my time could be spent on important things, like ham radio. It was an 8 hour road trip to travel home, so a high frequency mobile rig would make the trip seem shorter and provide communications, should it be needed. Two-meter repeaters were a very new concept and were few in number and very far apart.

The first roommate to arrive was a senior physics major named John Bray. Upon seeing the project on the table he said, "I see that you're a ham. You need to get over to the Physics department and see about a job. The department head, Doctor Clements, likes to hire hams for the student work-study positions. You will like Charlie, also a ham, who is doing student work study projects for the department. He has shoulder-length red hair, wears a trench coat, engineering boots, and will have a cigar box under one arm. He built a high voltage power supply for us last year."

The next morning proved that John had been correct about Dr. Clements. He made this ham a new employee of the "Great" State of Texas as a work-study student in the Physics Department of East Texas State University. The first of many assignments was to assist John Bray with his senior research project on the study of the Hall Effect under low vacuum conditions.

The next couple of days were spent with John, instead of soldering on the kit. We repeated the steps he had done the previous semester. A vacuum pump and bell jar were used to lower the atmospheric

pressure for his experiments. When the pressure would start to get low enough to be interesting, the grease seal would give way on the bell jar and we would have to start over. On the second afternoon I was covered up to my elbows with various messy grease compounds... looking up, I saw "him" walking into the lab. Shoulder length red hair, about 5 ft. 8 inches tall, a trench-style rain coat, engineering boots, and a cigar box under one arm certainly matched the descriptions that I had heard. "I see that John has another victim for his grease wars."



"Yes, hi, Charlie, I understand that you are a ham. I'm Jerome, K5WIQ. I have plenty of grease for both of us. By the way, what are you building?"

"It will be a six meter transceiver."

Thus, I became acquainted with a builder...more than a kit assembler.. a real live builder.

Mathematics was a mystery to Charlie. He majored in languages and was proud of his

ability to sound like a native Russian. In return for having the equations solved, he taught me the practical side of circuit design and construction techniques. The schematic diagram of the project was divided into separate circuit building blocks, much like the blocks that children use. The variable frequency oscillator, the intermediate amplifier stages, the audio output stage, receive preamplifier stage, transmitter driver, transmitter final output, control circuits, and the modulator stage were each identified and distinctly marked on the schematic. By putting a circuit on a block, then different circuits can be substituted by changing or rearranging the blocks. When the final choices are made for each block, the circuits can be constructed. Every couple of weeks a circuit board that needed the holes drilled out for components would appear in the cigar box along with the parts for that circuit. Fingernail polish was used to paint where the copper traces were needed on the boards. The remaining copper was removed by placing the board in a bowl containing a chemical solution that would etch (dissolve) it away. Fingernail polish remover would clean up the copper traces that remained on the board. The holes were drilled. The components came from Dallas electronic surplus houses such as Collins Surplus on North Central Expressway and TI Surplus on Ross Street. Meanwhile, the Eico was slowly coming together in the dorm room.

Hams, especially young collegiate aged ones, are naturally curious about things electronic in nature. One of the laboratories had a microwave oscillator and detector test set. The storeroom had a couple of aircraft instrument controlled landing radar dish antennas. TI had donated a supply of transistors to the department. Combining these items, an audio amplifier was added to the crystal radio microwave detector, and the test oscillator gained a microphone amplifier and a modulator. K5PCC and K5WIQ were able to tune the oscillator to somewhere near the 10 Gigahertz ham band and took the equipment out into the hall way to see what range we could achieve. In the time-honored fashion of hams, LWB us used as our unit of measure. "Yesiree," the modified transmitter made 15 LWBs—that is 15 times the length of the workbench! Dr. Clements stepped out of his office and was surprised to find himself in the middle

of our experiment. After a brief examination of the scene he said, "Boys, be sure to return the microwave equipment in usable form for the labs that are scheduled for next week." Then he left shaking his head and muttering something about hams will be hams! Incidentally, the FCC chose the frequencies just above this ham band for the police traffic radar units.

One Wednesday Charlie missed work. On Thursday I asked, "Where were you yesterday?"

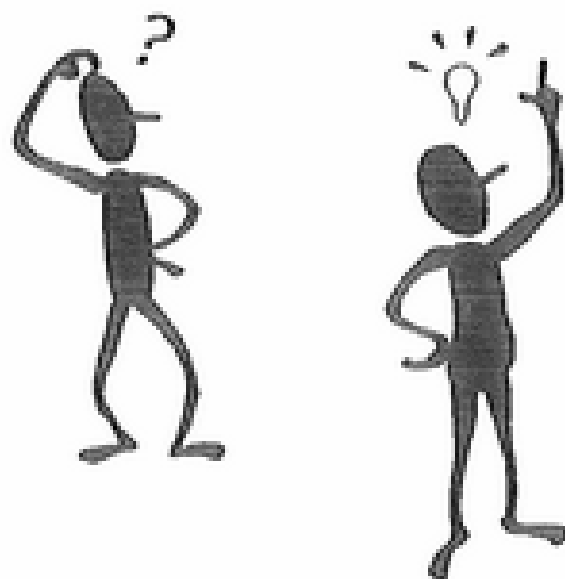
"With Incentive Licensing coming, I decided to go to the Federal Building in Dallas and take the Extra Class examination. My code was a little rusty, but I passed the examinations!"

In the vacuum experiments, John wanted to run two or three small insulated wires under the glass bell. Regardless of every grease compound we tried, the seal would blow out next to a wire. The solution was to obtain a bell jar with a couple of electrodes built into it, so he could connect his circuitry and still maintain a vacuum.

For help with alignment and tune up, the Eico transceiver was taken to a ham in nearby Greenville, Texas that had built one. With his aid, the set came alive. He sent a free AC power supply unit home with the transceiver. An 80-meter mobile antenna was added to the car. Upon driving into a car wash there was a pop, pop, pop sound. Oops, the florescent light bulbs in the car wash did not withstand being hit by the antenna! Maybe next time it would be a good idea to fold the antenna over before entering.

Charlie's six-meter transceiver was finished and taken over to the ten-element 6-meter beam at the college ham club station. Several contacts were made with hams in the Dallas area. Some of the operators could not figure out why the signals were coming from the north east, when according to the Callbook, K5WIQ was located north by north west at Booker, Texas. The local Dallas area six-meter operators had something new to discuss. "Hey Joe, you missed a band opening last night. We had a strange crooked path opening to the northwest while beaming to the northeast!" Maybe someone should have remembered to put the portable 5 designator on his call sign!

Today, whenever I pick up a soldering pencil, in my mind's eye I can vividly see the flowing red hair, trench coat, black engineering boots, cigar box under an arm, and the smiling face of Charlie as he walks into the lab. Friends like Charlie made through ham radio have made my life much more interesting.



RESTRUCTURING AND ITS AFFECTS

The FCC decision to restructure the amateur radio license system has generated a lot of phone calls, e-mails, letters, and discussion. In the first five weeks alone, Bart Jahnke who heads the ARRL VE office, has had more than 5,000 e-mails on this subject. Locally, most VE's have been asked a lot of questions too.

In a nutshell, an Advanced Class license holder has a marginal in taking the current Element 4b (Extra) 40-question test to obtain a Certificate of Successful Completion (CSCE) that would be presented for upgrade on or after April 15th, 2000.

There is also a financial advantage for anyone holding a Technician license to go to take Element 1a, 5-WPM code, as, through April 14th, this test is free through an ARRL VE Team.

A General Class licensee wanting to get an early start to upgrading under the revised standards would have to take both the 50-question Element 4a (Advanced) exam and the 40-question Element 4b (Extra) before April 15th and then return on or after April 15th to process the application. Alternatively, he could just take the forthcoming new 50-question Element 4 (Extra) test that will be available April 15th and then process the application.

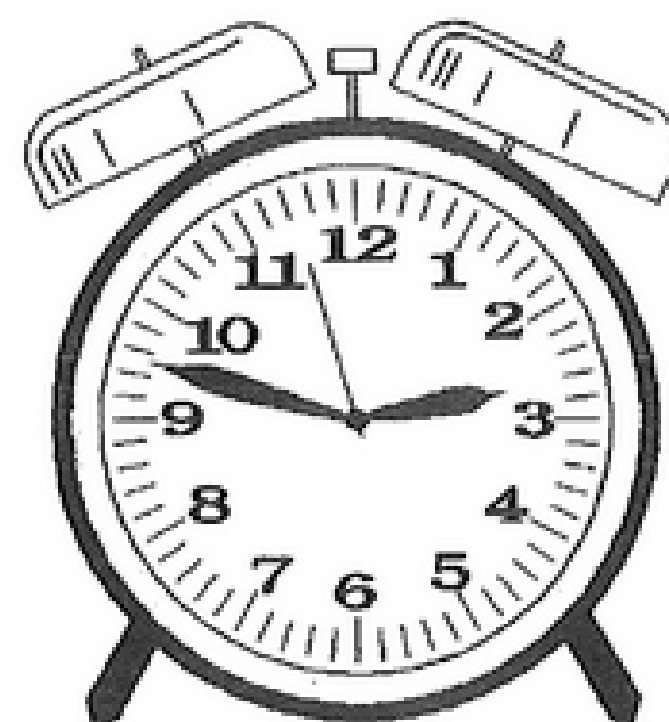
Technician Plus licensees who received their license class prior to March 21, 1987 will be able to upgrade to General on or

after April 15th with no further testing. They must fill out the application for, pay the processing fee, and provide documentation of their current license and show proof the Technician rating was issued before to March 21, 1987. Some people who satisfactorily completed the written examination before March 20, 1987 but whose license was issued after March 21, 1987 may be able to claim this upgrade as well, but would require individual investigation and verification.

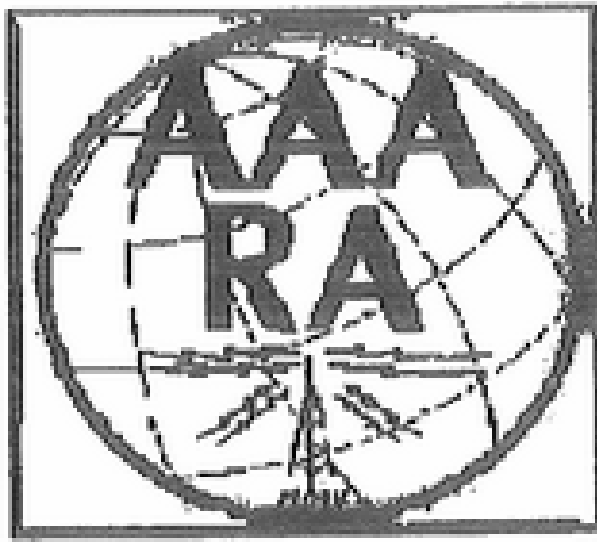
Acceptable proofs include: (1) The original of a pre-March 21, 1987 FCC Technician license, (2) An original pre-March 21, 1987 CSCE showing Element 3 credit, (3) a verification letter from the FCC, (4) An extract/certification from the FCC contractor ITS (International Transcription Service), (5) A photocopy of an entry from a 1987 or earlier Callbook (year must show on the page), or (6) a printout from the QRZ.COM webpage which shows the entry from their 1993 CD ROM verifying a Technician license effective date prior to 3/21/1987.

Michael Mars, N5DKR, has created an excellent website at <http://www.telepath.com/n5dkr> that you are invited to visit. In addition to proving links to the new question pools, Michael also has a link to the 1993 QRZ.COM CD ROM. Finally, his site includes an on-line registration form for anyone who wants to attend one of the SCARS VE sessions held the second Saturday of each month in Norman.

Questions or comments on this article can be sent to Jim Copeland, NW0K, at nw0k@arri.net.



April 15th is drawing near, Not only is it Tax time. But time to up-grade your license.



Altus Area Amateur Radio Association

AAARA Business Meeting 10 Feb 2000 held at Altus Fire Station #2 (EOC)

Called to Order at 5:40pm by Dale, N5VX.

Old Business:

Hamfest 1999- \$xxx.xx cleared, put to 2000 Hamfest planning. Mike, W5VXU, will have preliminary items and info put together for the March AAARA meeting.

Treasurer Report- Read and accepted.

New Business:

Breakfast Meeting 19 Feb

Building - with the SWTC now charging \$37.50 usage fees for rooms per event, we have a need to find a club meeting place. More to come with fundraiser issues and general membership.

AAARA Comm Van - will be back next week at Dale's home, Dale will drive it to the Feb meeting to display it.

One letter from the Altus City Administrator, Charles Martin, praising the work of the radio club during the Y2K stand-by.

Dale was paid for 4 badges that were distributed to the Officers of the AAARA (President, VP, Sec, and Treasurer) to be worn at the meetings.

Reviewed consent agenda for general meeting.

Meeting Adjourned at 6:15pm

Altus Area Amateur Radio Association (AAARA) February Minutes

General Meeting held at S.W.T.C. 711 W. Tamarack Rd. Altus, OK- 10 Feb 2000

The Altus Area Amateur Radio Association was called to order by the President, Dale Town, N5VX at 7:05 PM Thursday Feb 10, 2000 at the SWTC Building in Altus, OK. Mail: AAARA, PO Box 8863, Altus, OK 73522-8863.

Intro.'s - Done, 23 attending.

Last Months Minutes - in CORA C&E, Jan 2000 issue

Treasurers Report - Read, motioned, 1st Dale N5VX, 2nd John AB5WQ, all voted and approved.

Old Business -

ELECTION for 2000 results. *Voted in 10 Feb 2000.

Dale, N5VX - President (580) 477-4027
Mike, W5VXU - Vice President (580) 846-5578
Ron, KD5CYW - Sec (580) 482-8446
Fred, KC5SRJ - Treasurer (unlisted)
Owen, N5VM - Sgt at Arms*

New Business:

The Consent Agenda was discussed.

Dale mentioned the printed agenda that will now be available to each of the members just prior to the beginning of each meeting. He invited members to contact him if they had items that they would like added to the regular agenda.

Recall List: This list is to call fellow hams to remind them about the club meeting. It is voluntary, but club members are encouraged to participate.

Channel 2 - You will see the AAARA announcements on the cable several days prior to the meeting to let viewers know the time and place of each months meeting.

AAARA Club Dues: The end February is the cutoff date for members who've forgotten to pay their dues. Beyond this date individual subscriptions to the C&E

will be suspended until dues are paid. Mail to: AAARA, PO Box 8863, Altus, OK 73522-8863.

C&E - The AAARA needs a Representative for CORA meetings. None at this time.

Testing Session for 22 Feb 2000, will be at the Knights of Columbus, 3 miles north of Main and Tamarack, East on Race Track Rd, on the North side (across from the Race Track)

HAMFEST- Mike, W5VXU, will be bringing us more information on this later in the year.

Status of Local Repeaters: 146.790 up and running, 147.285 up and running. (SWORA) SW OK RPTR ASSN maintains and funds these repeaters. You may donate to them by seeing Don Hayes at 1st. State Bank. or Loren Simms, WB5CBF or Dwight Dennis, WB5KRH.

ARES: Dale, N5VX, is now the area Emergency Coordinator, EC. All Hams invited to be part of ARES. Meeting will be 4th Thursday of the month, at 7pm at the North Main Fire Station in the conference room located in the basement of the building. The next meeting 24 Feb 00.

Letters of Appreciation: Dale read a letter from the City Administrator, Charles Martin, thanking the AAARA and ARES members for being there and ready during the Y2K roll over event.

New Meeting Place: Starting immediately after this Feb Meeting, the Club needs a new place to meet since SWTC is charging us \$37.50 per meeting under a new policy.

New Business... opened from the floor

Saturday Breakfast Meeting, 19 Feb / 9:00am, at Friendship Inn, Altus. All Hams Welcome.

Business Cards - AAARA cards, we will have more info at next meeting. Mike, W5VXU, will lead the design of it, and about \$25 in funds to be spent. Club voted to go ahead with the project. 1st James, KC5OEY; 2nd Wes, KC5TTE. All voted in favor.

Ongoing Projects - discussed.

Club UHF Repeater- awaiting Antenna, and a good look over before a trip up the mountain.

Packet - 145.070 simplex.

APRS - in work as a new project.

AAARA Comm Van- Dale, N5VX gave an update on the current status of the Red Cross Emergency Communications Van. \$800 (approx.) has been spent so far. The AAARA still welcomes any donations either of services or products for the club van. Please contact Dale, N5VX or George, N1GM. Van was also displayed in the parking lot at the meeting.

New Projects.

Fundraisers - some ideas presented, will have more ideas next meeting.

ARRL items -

Books - let the club buy some and sell to members or folks whom are wanting to become Hams. (Funding not discussed at this meeting)

WAIW bulletins-

Field Day - Planning for this will be George N1GM, contact him if would like to assist him.

Displayed the 25 Year Certificate from ARRL as the AAARA's affiliation with the ARRL as a club since 11 May 1974.

After meeting was adjourned a Video was shown from Kenwood Radios.

The meeting was adjourned 8:30 PM with everyone looking forward to the next meeting 9 March 2000 7pm. Place to be announced, stay tuned for further info as we get it.

HOWDY all,

Great news for you all. We have New Meeting and Testing locations. As Follows...

AAARA Club Meeting / Testing Dates- for the Year 2000. Note: All dates and places are subject to change.

General Membership Meeting- (2nd Thursday of each month) Dates and times will be at 7:00pm.

Mar 9, Apr 13, May 11, Jun 8, Jul 13, Aug 10, Sep 14, Oct 12, Nov 9. Dec

14 will be the AAARA Christmas Party, Place & Time- T.B.A.

They will be held at the Blue Room at the City Auditorium in Altus, Oklahoma. The address is 201 East Commerce St. (corner of Grady St, diagonally from the Altus PD) This room is located under the stage, so bring a sweater or jacket, may be chilly during the cooler months.

Radio Testing Schedule for year 2000. (4th Tuesdays of the even months) Dates and times will start at 6:30pm. Feb 22, Apr 11, Jun 27, Aug 22, Oct 24, Dec 19.

Will Be Held at The Knights of Columbus Hall on Racetrack Rd across from Altus Raceway, Altus, OK

Heading North- 3 miles North of Tamarack/Main St (Rt 283) intersection, past the Muni Airport, the raceway on right. (Turn Right)

Heading South- smaller raceway/bingo hall/ camper sales lot on right, bigger raceway on Left. (Turn left) (Racetrack Rd.) across from Altus Raceway, less than .5 miles after turn.

Any Questions please call our Altus Area Amateur Radio Association's George N1GM, VE Liaison, (580) 266-3357 (Martha, OK)

* Note * There are no phones at the KOC hall, Radio is a must for talk in net on 146.790 (-) no PL, or 147.285 (+) no PL.

Please mark you calendars. Because of the new changes there will probably be a lot of people testing. The April testing date changed to an earlier date than normal. This is due to the probability of the mad rush before the cut off.

Please Print up a copy for a reminder to make sure you don't show up at the old place we met before. :-)

(After this was sent out, Alan KD5GOV went to the Headman and the Board of Directors at the SWTC, they voted to let the AAARA use the room at no charge,

due to what we do for the community during storm season and other activities. SWTC is a better facility due to Handicap access / sevices and refreshments machines. March 9th meeting will be held at the Blue Room. So this may change again, stay tuned.)

Letter from the President:

Wow, what an interesting month. It seems like it went by in the blink of an eye and already the club secretary, Ron, is telling me it's time for my input. Well, here goes.....

Last months club meeting turned out well. We had about twenty five people come to the meeting. We tried to keep the business part of the meeting short and introduce a lot of new topics. I'm not sure how successful we were, but we sure did cover a lot of ground. Word has it that we'll be covering a lot more at the next meeting.

We talked about some new ideas and some new/old projects that are currently in the mill. One of the ideas was a recall list. This list is intended to allow members advance notification of club meetings and special events. If you signed up on the list, you'll get a call just prior to the meeting and, of course, you'll have to call the next person in line. If that person isn't home, skip that name and go on to the next. We'll pass out the recall lists at the next meeting. If you haven't signed up, it's not too late. Just call any of the club officers and we'll be happy to add your name to the list.

We brought the club's communication van to the meeting for everyone to have a look at. It's got a ways to go, but if you get a chance, come by and take a look at it, I think you'll be impressed. The interior work is well on its way to completion. When that's accomplished, we'll start the wiring and get the AAARA Communication Van on the air. By-the-way, if anyone knows how to retrofit a new master cylinder in place of an old (very old) one, please let me know. It needs one very badly.

APRS (Automatic Packet/Position Reporting System) is coming along nicely. We got the basic tracking software and new KPC3 Plus put together in the Altus Emergency Operations Center and we are now, in a somewhat rudimentary way, able to track individual amateurs that have

APRS tracking modules attached to there radio. The system needs some polishing, but now is not to early to buy your tracking module. This is especially important for storm spotters. Our ultimate goal is to have an APRS digipeater that will allow, not only us, but literally the entire amateur world to know your position when your tracking module is turned on. The National Weather Service uses this information to see where storm spotters are located. Neat, huh.

Our breakfast meeting at the Friendship Inn (appropriate name) was a success. I wasn't able to be there, but I'm already hearing that so many new ideas were brought up that I'd better be ready at the next club meeting. Sounds to me like things are really beginning to happen in the AAARA. (There were 7 folks that showed up and all had a good time- Ron, KD5CYW)

There are exciting times ahead for everyone. This means a lot of change and we all know how we react to change. Some of us like it and some of us don't. The best way I know of to overcome the stress that accompanies change is to become involved with it and be one of the ones responsible for it. Then it'll be your idea. None of us mind change as long as it's our own idea (Snicker). Please try to be patient though. Sometimes ideas are a real blessing and sometimes they're a flop. If we flop in a certain area, we'll get up and go on. I believe most of your ideas will have a positive benefit.

That's probably enough for this newsletter. Thanks for listening. See you at the next meeting and talk to you on the radio before that.

Respectfully,
Dale- N5VX

The VE Test / WX spotter day by Ron KD5CYW

Well before the test session, the WX storm spotters were activated, with a tornado spotted 5m West of Vernon, we knew this little cell was starting to brew something. So the Spotters were out spotting and the Question of CANX the test session was also mentioned. With Heavy Rain to Hail and High Winds, we went to see if any damage occurred in the surrounding towns, and some very slight damage of

broken windows and downed limbs were noticed, and Snyder to Manitou to Tipton was covered in 1 1/2 to 2" of hail. It was a short time out there this time, if this was a preview of the spring to come, we need to be prepared for it at anytime. The test went on, and no CANX was ordered, and some... well left happy, and some with the edge to return to get over the hump and get either upgraded or a new licensee. Discouragement yes, Encouragement even more. The 22 Feb VE test session was a success, had a full house and seems like everyone found the place fairly well. We had folks from all over come on out, the DX award was a fellow from OKC. The poor fellow after the test had to go back thru that mess. I wish I new his call, but if he is reading this, I know he is smiling for the time was well spent, nailed down the 5wpm and the General, now just waiting for Apr 15th, but upping to tech plus is good too. Congrats to you, and to all that showed up, and to my fellow hams that I share the air with. Thanks for being VE's and George N1GM, who heads up the sessions was delighted in the way it went at the location and success of it.

With just that little offset of a storm, the rainbows was seen in just more than one dimension.

here are the results.... from George N1GM.
Testing session Feb. 22, 2000

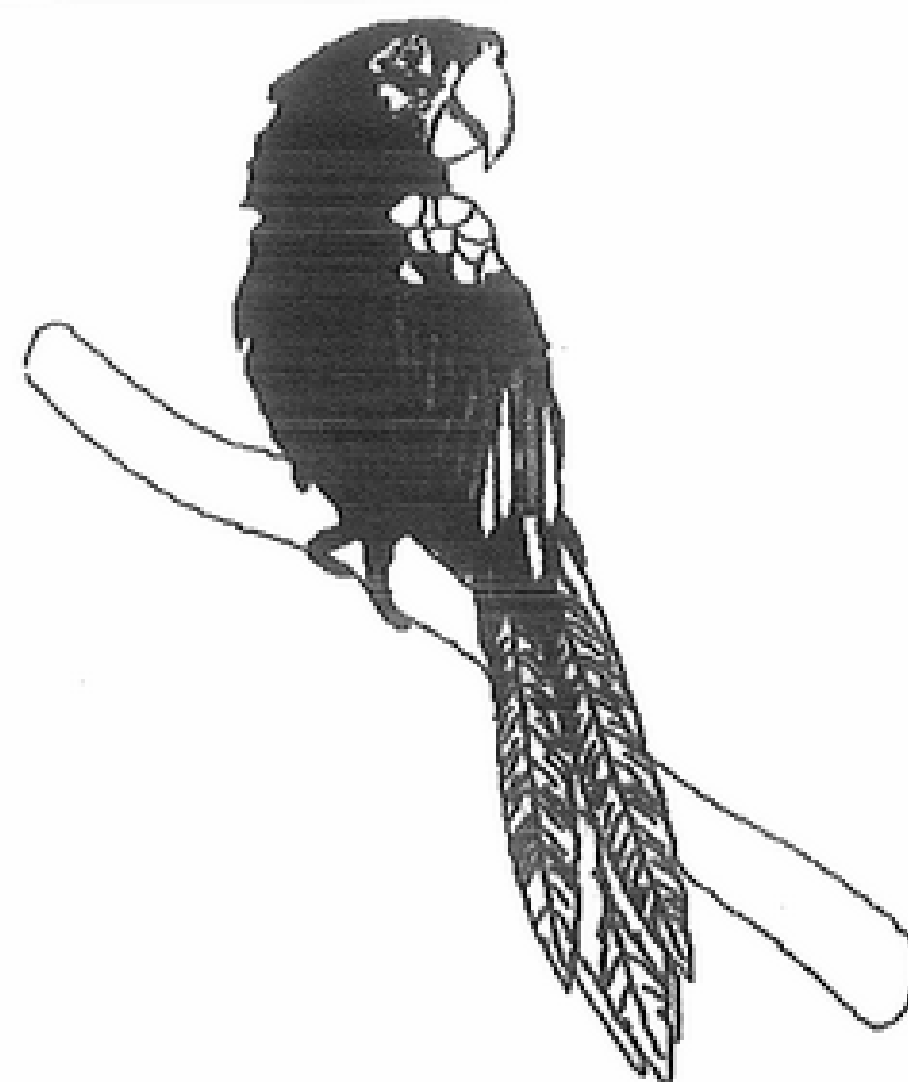
Elements served
2 element 1A
5 element 2
4 element 3A
6 element 3B
2 element 4A
2 element 4B

Up-grades 2 tech plus, 2 codeless tech, and 1 advanced, total served 14 candidates.

(Note: some folks passed elements, but did not upgrade for now, but are looking forward to do so. Ron)

Also a new Member to the AAARA, Joe, W5BHD, of Altus. Welcome aboard.

Ron Roman Altus, OK
I love deadlines. I especially love the swooshing sound they make as they go flying by.



NAVY to The Core

The old Navy Chief finally retired and got that chicken ranch he always wanted. He took with him his life-long pet parrot.

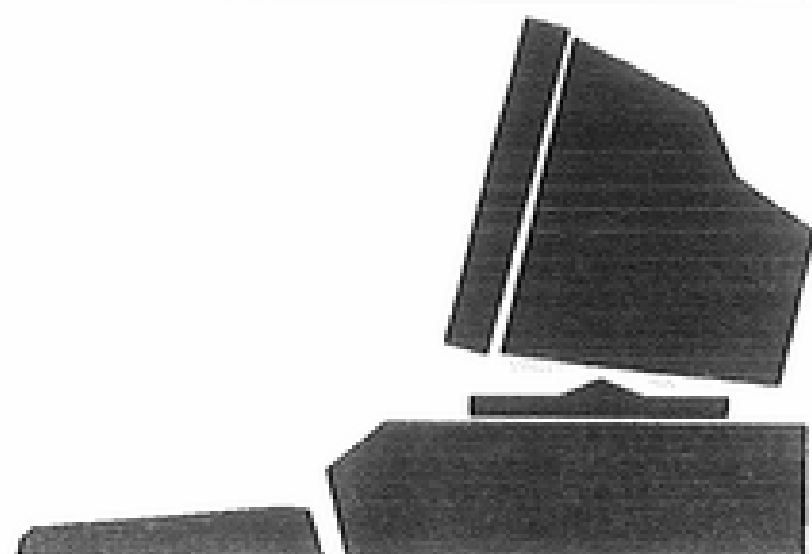
First morning at 0430, the parrot squawked loudly and said, "Reveille, Reveille. Up all hands. Heave out and trice up. The smoking lamp is lighted, now Reveille"

The old chief told the parrot, "We are no longer in the Navy. Go back to sleep."

The next morning, the parrot did the same thing. Chief told the parrot, "If you keep this up, I'll put your ass out in the chicken pen".

Again the parrot did it, and true to his word, the Chief put the parrot in the chicken pen. About 0630 the morning after that, the Chief was awakened by one heck of a ruckus in the chicken pen. He went out to see what was the matter.

The parrot had about 40 white chickens at attention in formation, and on the ground lay 3 bruised and beaten brown chickens. The parrot was saying, "By God, when I say fall out in dress whites, I don't mean Khakis!"



HAMS ONLINE

I hope you have had a chance to try your hand at Email. Here are a few more Email tips before we tackle The Web.

Some versions of Email are text-only. There is plenty of good information available in this form, with very little risk. If you follow the cautions below, the worse that can happen is that one of your messages will "bounce" and you receive a service message telling you why. Check the address you are sending to, and try again!

ADDRESS BOOK. Your Email program will probably have a way to store your favorite Email addresses, so you don't have to remember them. Such an address book allows you to assign an easy name to each of the addresses, instead of the long version. You could assign the name "Johnny" to my Email address of KM5GM@ARRL.NET for example. In addition, you may be able to build up groups of addresses under one name, such as Family or MyClub.

ATTACHMENTS. A more advanced form of Email, for which you may pay a fee, will handle "attachments". An attachment can be a larger text file, or a BINARY file, such as an executable program, a photograph, a sound file, or a video clip. There are millions of fascinating goodies you can view or download into your computer, mostly for free.

The down-side of attachments is that one might also contain a dreaded "virus" -- a program that can mess up your computer. Fortunately a virus can NOT activate itself. Since you have to manually click on an attachment to activate it, the rule is simple: Never view or download an

attachment from anyone you don't know. Never.

PARANOIA. Email is not encrypted. It is plain text, and it passes through who-knows how many computers and phone lines on its merry way. It is theoretically possible for hackers to intercept your Email. Therefore never send sensitive or personal info, such as credit card numbers, via Email. Again, Never. In addition, your Email might not reach its destination because of some glitch, so don't count on it for any truly important messages. Having said that, stop worrying! Use Email just for fun, and you will have plenty of it!

ARRL. Anyone can receive ARRL Bulletins and a number of other useful services via Email. To get started, send an Email:

To: INFO@ARRL.ORG
Subject: INFO REQUEST
Text: HELP (new line) QUIT

League members have a bunch of other services, such as Email forwarding. This means that whatever your true Email address might be, you can also establish an "alias" using your call sign and ending with @ARRL.NET (like mine). That makes it easy for other amateurs to contact you, as long as they know your call sign.

WWW 101. I postponed my own self-introduction to the World Wide Web, waiting for it to settle down. You can stop waiting, because the Web will never settle down. It's a wild jungle, a universe and a university. And in scattered, dusty corners you will find enough Amateur Radio activities to keep you off the air permanently if you let them take all your time, or to enhance your enjoyment of the hobby immensely if you know how to use them.

SEARCHING. Everyone in the world has a Web site -- every company, club, government, and hobby group. How can you find a site that interests you? The answer is a program called a search engine, usually supplied as part of the service you subscribe to. Use the search engine to guide your wandering on the

Web. (Please don't use the hackneyed "surfing the web". Surfing is a physical sport that takes strength and daring, quite the opposite of pushing a mouse around.)

Let's see how this works by calling the ARRL Web site. Start your Web search program, and look for a "key word" fill-in box. Type ARRL in the box, and start the search. When you get a list of sites, click on the American Radio Relay League Home Page, and away you go!

HOME. Every site has a home page, a screen that introduces you to the site and steers you to other pages in the site. Take a look around the home page. If you are a League member, click on Members Only for more services. As you read various pages, remember that you can click your "backwards" button to return to previous pages, and you can often find a "home" button as well. On the ARRL home page, click the "Info & Services" page, then "Reference Information", then "Off-Campus Links". Here you will find some Amateur Radio links.

LINKS. A link is a spot you can click, that takes you to a different Web site. Just about every site has links to other related sites, so you can spend an entire evening (or lifetime) jumping from one site to another. From "Off-Campus Links", you can visit various organizations such as AMSAT, HANDI-HAM, FCC, SKYWARN, TAPR, or WWV. If you click on "QRZ", you will go to a database offering callsign lookups, and much more! On the QRZ home page, click "Commercial" for a list of radio manufacturer and user-group links.

FAVORITES. Every Web site has an address. The bad news is that, unlike simple Email addresses, these are long and very complicated, and every single character has to be entered with absolute precision. Fortunately you can find your way to most Web sites by using your search program. To save time, you can then store the site's address in your computer with a key-word that you supply. This works something like an Email address book. Just a click on one of my stored key-words takes me directly to a Web site. In my Juno system it is called

Favorites, but yours may be something different, such as MyWeb.

HAMLINKS. There are Web sites that consist of nothing but links to other related sites. Enter "HAMLINKS" into your search engine for a list of these, and start tracking down your favorite Amateur Radio activities. Every time you find an especially juicy site, save its address for future visitations.

HAMS ONLINE. Here's how you can be a part of "Hams OnLine". Send me an Email note (with Subject: HAMS ONLINE) about your favorite sites, to be included in next month's review, along with some of my own. Until then, Happy Hunting!

== 73 de KM5GM ==

Amateur Radio Newsline

RESTRUCTURING:

Israel restructures but retains high speed Morse

One of America's strongest allies in the Mid-East has restructured its Amateur Radio Service. But unlike the rest of the world, Israeli telecommunications regulators have opted to continue testing for high speed Morse. It's a complex situation, and as Q-News Graham Kemp, VK4BB reports, there are some in Israel who are wondering if ham radio in that nation will survive:

Restructuring, Israeli style. Mr. Daniel Rosenne, director of the Ministry of Communications says there has been a major revamp of privileges for the different licence classes in Israeli amateur radio.

Whereas the 4X1 crew had expected to see an easing of the Morse requirements in line with the U.S.A., U.K. etc this has not happened.

Thus Grade A's are still 16 w.p.m., B's at 12, C's and new D's need to pass 6 w.p.m.

Grade C (Novice): Operation on the entire CW subbands of 14 and 28 MHz have been added to the already existing 7 and 21 MHz bands, with a new maximum power output of 100 watts (up from 15

watts). Digital communications have been authorised on 28 MHz.

All-mode 2 meter and 70 centimeter privileges remain at 25 watts output.

Grade B (General): HF maximum power output has been upped to 250W, and 6 meters (50 & 50.2 MHz) is permitted at 25 watts out.

Output has been increased to 25 W on some of the microwave bands.

There are no more Grade B subbands on HF, putting them on an equal footing in this respect with the Grade A's.

Grade D (Code-Free Technical): Extension of frequency privileges to include 6 meters, 1.2 and 5.6 GHz.

Grade D+ (NEW CLASS): Intended for Grade D's who pass the 6 w.p.m. code test. These amateurs will have, in addition to the Technical VHF-UHF privileges, all the HF privileges afforded to the Novice, Grade C, licence.

Grade A (Advanced-Extra): Already enjoying maximum power and frequency privileges, there was nothing else to give to these 4X1 and 4Z1 people except the use of ISM on 2.4-2.45 and 5.275-5.875 GHz with the maximum EIRP of 100 milliwatts.

It now remains to be seen if these changes will do anything to change the downward trend in general interest in ham radio in Israel. Since, at least at this time, one still needs 12 w.p.m. of Morse proficiency to get on HF voice, Hagal International News says 'these changes may be too little and too late'.

Graham Kemp, VK4BB, of Q-News reporting for Newsline.

Thanks Graham. (*Q-News*)

Canada to abandon 12 WPM Morse

Meanwhile our neighbor to the North appears ready to follow the trend toward lowering the Morse requirement to five words per minute. This as the Board of Directors of Radio Amateurs Canada voted unanimously in favor of a motion to approach Industry Canada with a proposal to drop the requirement for a 12 words per minute Morse code test in Canada.

Following the lead of the recent FCC decision in the United States, as well as in some European countries, Radio Amateurs Canada proposes that Canadian amateurs who have passed a 5 wpm Morse code test as well as the necessary written examination, be allowed full access to the High Frequency bands.

Radio Amateurs Canada says that a formal proposal will be submitted to Industry Canada in the near future.

(*Radio Amateurs Canada*)

Full CW credit to any U.S. Novice

Here in the United States, our FCC now says that anyone who has ever passed the old Novice Morse Code test and can prove it will be given indefinite credit for that test element. Even if that license expired long ago. Rick Lindquist, N1RL, of the ARRL Audio News has the details on this unexpected FCC action:

Anyone who ever held a Novice ticket, expired or otherwise, will be able to claim credit for Element 1, the 5 WPM Morse code examination, under revised Amateur Radio licensing rules going into effect April 15. The change was included in the version of the FCC's restructuring rules, published February 10 in The Federal Register.

The change affects Section 97.505(a)(5) of the rules that spells out element credit. That sentence now says: "An expired or unexpired FCC granted Novice Class operator license grant: Element 1."

The rules already give Element 1 credit for those holding an expired or unexpired FCC-issued Technician Class operator license document granted before February 14, 1991, as well as to applicants possessing an FCC issued commercial radiotelegraph operator license or permit that's valid or expired less than 5 years.

There's no indication, however, that the FCC intends to extend Element 1 credit to applicants who once held any other FCC-issued licenses now expired, including Tech Plus, General, Advanced, or Amateur Extra.

(Con't)

Ada Amateur Radio Club

Meeting February 5, 2000

The Ada Amateur Radio Club was called to order in the Salvation Army building at 9am on February 5th, by President Steve, KD5DKZ. There were a total of 20 members and 9 guests. The Treasurer's report was given and approved.

The big item of business on the agenda was finalizing plans for the February 19th Ada Ham Fest. Signs will be made for the streets, doors, and tables to show where it is being held, cost of tables, and showing our club name. Volunteers will be needed at 6 in the morning that day to help get people to the Agri-Plex and then to help set up in the building itself. There will be a concession stand. A local printer donated the printing of the flyers, and will be sent a letter of appreciation.

A discussion was held about vendors being required to charge Sales Tax. There was also talk about club-owned items that will be for sale at the Ham Fest. There will be a table at the front that will display our club scrapbook (which Sam N5IY maintains). Flyers were handed out for distribution. There will be notice in the newspaper about the Ham Fest. Everyone hopes for good weather, and a good turnout.

In Other Old Business, proper repeater etiquette was discussed.

Under New Business the upcoming meeting for Weather Spotters was mentioned and members encouraged to attend on February 10th.

When the meeting adjourned, a VE session was held. Members wish to thank the VEs, some of whom traveled from Sulphur.

The Club is proud of the results of the VE session. There were 21 elements taken, 16 were passed. Welcome to Vonda Trimble, who passed from no license to Tech +. Her call sign is KD5JFO. Listen for her on the radio soon.

Submitted by Marie Wilson, Treasurer
Ada Amateur Radio Club

(Amateur Radio Newsline Con't)

Because of other anomalies in the new rules, the ARRL is recommending for now that holders of Novice or Tech Plus licenses retain their license documents or copies in the event they need to claim Element 1 credit when upgrading under the new rules. When renewed after April 15, 2000, Technician Plus licenses will come back stamped "Technician," and the FCC has said it does not plan to keep track of which Technicians have Morse code element credit and which do not.

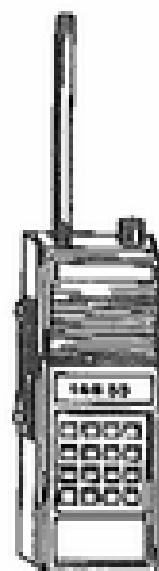
The FCC also has indicated to the ARRL that post April 15 Technicians who subsequently qualify for HF operation by passing Element 1 will retain element credit for upgrading purposes only for 365 days, the term of a Certificate of Successful Completion of Examination, not permanently, although this will not affect their ongoing Novice/Technician HF privileges. Without a change in the rules, affected Technicians attempting to upgrade more than a year after passing Element 1 would have to retake the Morse code examination.

The ARRL plans to file a petition for partial reconsideration asking the FCC to continue to keep track of which Technicians have Morse code element credit and which do not. The League also will ask the FCC to make Element 1 credit permanent for post April 15 Technicians who successfully pass the Morse exam.

I'm Rick Lindquist, N1RL

Again, if you know anyone who has ever held a Novice class ticket, let that person know that he or she is part of the way to a 5 word per minute General or Extra Class license after April 15th.

(FCC, ARRL)



EMERGENCY COMMS:

Georgia Tornadoes

I'm David Black, KB4KCH, with word of Amateur Radio operators responding in the wake of the worst killer tornadoes to

hit the state of Georgia in the past fifty years.

The twisters struck just after midnight on Monday, February 14th. One storm was so powerful that it severely damaged brick buildings. The combined storms knocked down power lines in Colquitt, Tift, Mitchell and Grady counties near the towns of Moultrie and Camilla. This is about 200 miles south of Atlanta.

Most of the damage was in Camilla. There at least 22 people are known dead and well over 100 are injured. Parts of the town have been totally flattened. The area is without power or communications. The hams responding are members of a group called Georgia Baptist Relief.

According to Jean Swann, KE4GRO, Georgia Baptist has six Disaster Relief units dispatched to the Camilla area. Two, are communications units using ham radio gear that she stores for the group at her home. Swann told Newsline that the teams will definitely be on emergency power because all the phone and power lines in the area where the tornadoes hit were leveled. The ARRL reports that stations have already been set up on 3.975 MHz for use in relief effort coordination. Other sources indicate that 2 meters is being used for local communications, feeding information to and from the high frequency operations.

Meanwhile, high wind and hail also caused scattered damage here in Alabama, including widespread damage in the town of Cullman. That weather system also and knocked out power to an estimated 22,000 customers.

And one or more tornadoes destroyed at least four houses in the Florida Panhandle community of Sand Hills and lightning damaged three neighboring houses in Fort Walton Beach but no injuries were reported.

And two tornadoes destroyed at least a dozen structures in Arkansas and injured two people. Also, trees and power lines were downed in parts of Mississippi and Tennessee.

From Birmingham, Alabama, I'm David Black, KB4KCH, reporting for Newsline. *(Newsline, KB4KCH, KE4GRO, Georgia Baptist Relief, others)*



Oklahoma City Autopatch Association

Minutes of the meeting for OCAPA on February 15th, 2000.

Members present:

Forrest Rush, N5VWF
Ron McCubbin, KC5QCV
Tom Webb, WA9AFM
Mark Hamblin, WL7FT
Jeff Dye, WD0GT
John Brassfield, N5SAM
Gene Kicenski, KJ5GX
Sam Binkley, KL7V
Marijo Binkley, WL7FE
Dave Duskin, WA0JCI
Carole Ayers, KC5EXR
Don Ayers, KC5BRO
Earl Pitzer, KC5LDT
Bob Kremer, WA9FCT
Ron Cochrane, K0GEZ
Ken Burdick, K5UAB
Willard Henderson, W5UZV
Chuck West, KC5VHW
Rick Whitman, KD5IBX
Clay Mayrose, WA6LBU
D.C. McDonald, K2GKK/5
Mark Watkins, KD5CXP
Chris Branshaw, KD5BFF
Ron Barszewski, KD5EXQ
Glynn Massey, N5WNL

Secretary's minutes - The Secretary's minutes for January 16th, 2000 were approved as printed in the C&E.

Treasurer's Report - The Treasurer's report was approved.

Dues Election - After discussion, the election to raise the dues from \$25.00 to \$30.00 was held. Election was by secret ballot, and the dues increase passed.

Field Day - WL7FT was appointed the chairman for Field Day 2000.

OK County Emergency Coordinator - There will be a meeting for Volunteers at NW 10th and Portland on March 9, 2000. For more info contact Oklahoma County Emergency Coordinators.

The fund for the Leo Hanstein Scholarship is down; if you can make a donation please consider doing so.

The roof of the repeater shack needs to be redone. Don Ayers will be donating some roofing felt and roofing nails for the project. Thanks, Don! If you want to help, contact Glynn Massey, N5WNL at (405) 631-2731.

Hope that everyone attends the next meeting, which will be March 21st, 2000, at 7:30 PM. Be There!

Respectfully Submitted,
Forrest Rush, N5VWF
OCAPA Secretary

More Amateur Radio Newsline ENFORCEMENT:

Southern California test audit

An update to a story first reported by Newsline two weeks ago. The FCC has released more information on its audit of a Huntington Beach, California VE testing session held September 12, 1999 by the ARRL VEC.

In its January 28th letter the FCC identifies the three individuals -- Moises Morales, KB6QMR, Juan Huitron, AC6HK, and Daniel Granda, KA6VHC. Among other things, it asks them to about missing Morse element documents, Morse entries shown on worksheets, absence of Morse copy for some applicants and why twenty of the twenty two applicants all missed Question 5 of the Code test.

The FCC also asks Morales, Huitron, and Granda to confirm that the signatures on various documents were really theirs. Also, whether each VE was actually present for the September 12, 1999 examination session in Huntington Beach. All three were given thirty days to respond. (FCC)

Three rooms for Riley

The FCC's Riley Hollingsworth, K4ZDH and Bill Cross, W3TN, will not have just one room -- or even two rooms -- but three rooms holding a upward of 700 people when they appear at Hamvention 2000.

According to Forums Chairman Jim Ebner, N8JE, he decided to open three adjoining forum rooms to make one large room to hold the massive crowds expected for this years FCC forum.

Jim tells Newsline that restructuring and enforcement issues are the hottest topics in years. With them hitting at the same time he and his committee felt it best to open up the rooms and let as many people attend this very important forum.

The session will take place Sunday morning, May 21st beginning at 8 AM and running until 11 AM Eastern time.
(DARA)

FCC TECHNICAL:

Telephone 'Inside wiring' standards adopted

Turning to technical matters, word that the FCC has established a set of minimum telephone inside wiring. This, to assure quality standards and to promote consumer access to existing and advanced telecommunications services.

According to Bob Gonsett's CGC Communicator newsletter, telephone inside wiring refers to wiring located on the customer premises side of the telephone network.
(FCC, CGC Communicator)

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Mustang, OK 73084
(405) 376-2648
Fax (405) 376-2648

Enid Amateur Radio Club

Hello Everyone

Yes it is that time again, sure fly's by even if you are not having FUN. Well congratulations are in order for Jim Haynie, W5JBP moves from West Coast Div. Dir. To ARRL President. And Coy Day, N5OK moves from Vice Dir. To Dir. West Coast Div. ARRL.

I guess with all of the B. S. floating around you all have heard about the License changes coming up April 15, 2000. I don't think I will go into it with any detail now as you well know things change. Basically we will have a Tech, General, and an Extra there will be one code requirement and that is 5 WPM. If you want you can renew your existing license. The EARC will test with the existing tests in March at the ONG building at 10:00 am. You will need to pre-register before the 5th of March 2000. Contact Fred WA5OU, Tom N5LWT Dick NJ5S.

Enid Amateur Radio Club minutes for the meeting on Feb.3rd 2000

John KA7GLA called meeting to order February 3rd at 7:00pm. John introduced Dean Fekin, KL7HA.

Motion was made to approve minutes from last meeting by Al, KD5BA; 2nd Dan, KM5DH. Motion carried.

Treasure's report was made by Dwayne, KC5QVS. Motion was made by Dan, KM5DH to approve, Bill, KC5OKG 2nd motion carried.

B S A leader from Carmen will be having a campout Mar 31st & Apr 1st at the Carmen Park and asked for Amateur radio

operators for assistance in demonstrating operating procedures on April 1st. No definite response from members present.

The Chile supper wills Feb 24th at the Hoover Bldg. On the Garfield County Fair Grounds at 7:00pm.

John KA7GLA would like input from the members on classes for entry level and upgrades to licensing. Since the restructuring will be in effect as of April 15th 2000. John will follow up with a list of members to support the BSA at Carmen. "Might pickup some new interest with the BSA" John would like to get an up to date list of current ARRL members might let John know if you are one of them.

Sam, KD5EUS volunteered for next Mon. net control operator, if you have not tried being net control Give it a try.

Al, KD5BA says April 29th is March of Dimes walk event and the Tri-State is the first Sat. in May.

Motion to adjourn by Sam, 2nd by Dwayne, motion carried
Members Present: John-KA7GLA, Sam-KD5EUS, Bill-KC5OKG, Mike-N5WUH, Dean-KL7HA, Al-KD5BA, Ray-W5REC, Dan-KM5DH, Dwayne-KC5QVS, Scott-N5VRL, Clint-KB5OEQ, John-N5VOF 73's Dick, NJ5S

Chile supper and club meeting Feb.24th 2000

The gathering started off with a thankful prayer by Dan, KM5DH with 28 members and family to enjoy the chow and PEPTO, let the indigestion begin!!!

After the great food and war stories the meeting was called to order by John, KA7GLA. Dwayne, KC5QVS gave the

treasurer's report, also reported that the Red Cross was very happy with the support that Amateur Radio operators have given them. Motion made to approve report by Al, KD5BA second by Clint, KB5OEQ motion carried.

John, KA7GLA brought up that we were having trouble with being left out of the C&E 3 times. Fred, WA5OU said he would check into it and find out the problem. He Did...

Eldon brought up the question about code classes and mentioned that code was being sent on 146.820Mhz. At 7:00pm Mon thru Sat. for 30 min.

Al, KD5BA wanted to remind members of the upcoming Marathon walk for the March of Dimes on April 29th and Tri-State parade May 6th.

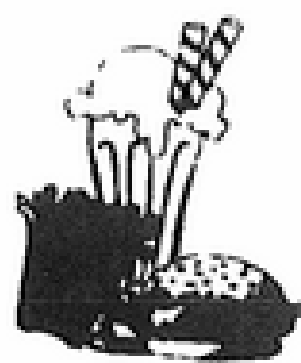
Motion to adjourn by Al, KD5BA seconded by Sam, KD5EUS motion carried.

Members present: Sam & Anna - KD5EUS, John - KA7GLA, Curtis - KD5GQV, Dan - KM5DH, Bill & Martha - KC5OKG, Mike, Linda & Amber - N5WUH, Dwayne - KC5QVS, Scott & Son - N5VRL, Ike - KC5ZBV, Fred - WA5OU, Nel - AA5XC, Al - KD5BA, Lois & Becky - KC5ZCK, Eldon - KC5RRS, & Clint - KB5OEQ.

One quick word it is that time of year, start checking ground connections and quick disc. Storms are around the corner. Also your condition of the Nicads for the HT's remember this is a PUBLIC SERVICE HOBBY. Don't wait till the last minute.

It is also ham fest time so get your stuff ready or cash Elk City, Lawton, Mooreland, Tulsa are coming up fast 73's Dick NJ5S

N5WNL
GLYNN MASSEY



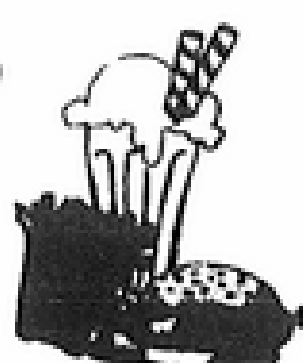
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If selected, the applicant agrees to allow his/her name to be used in publicity pertaining to the scholarship.

Scholarship recipients will be presented a certificate at a conference in Oklahoma City in July.

Applications are to be returned by **June 10, 2000**.

Return applications to:

Forrest Rush, N5VWF
2247 NW 55th Street
Oklahoma City, Oklahoma 73112-7716
(405)-842-8486

Applicants must be a graduating High School Senior who is a member, child of a member, or grandchild of a member of an amateur radio operator. Any questions please feel free to call Forrest, N5VWF. Award to be given at the CORA annual Ham Holiday, July 29th.

SCHOLARSHIP APPLICATION CENTRAL OKLAHOMA RADIO AMATEURS, INC.

NAME: _____ DATE: _____
LAST FIRST MIDDLE

ADDRESS: _____
STREET

CITY STATE ZIP

PHONE: _____

A. Submit any information regarding your scholastic abilities. Please include your most recent transcript and any of the following you can.

ACT SCORES: _____

SAT SCORES _____

RANK IN HIGH SCHOOL GRADUATING CLASS: _____

VERIFICATION BY SCHOOL COUNSELOR AND TRANSCRIPT REQUIRED

IN WHAT SCHOOL (COLLEGE, UNIVERSITY, OR VOCATIONAL SCHOOL) ARE YOU PLANNING TO ENROLL FOR THE FALL?

HOW MANY CREDIT HOURS WILL YOU TAKE THE FALL SEMESTER: _____

INCLUDE A COPY OF YOUR CURRENT TRANSCRIPT.

INCLUDE A COPY OF YOUR CURRENT CLASSES.

INCLUDE A COPY OF YOUR SCHEDULE FOR NEXT FALL IF AVAILABLE.

B. WHAT IS YOUR MAJOR: _____

WHY HAVE YOU CHOSEN THIS FIELD? _____

WRITE AND ATTACH A BRIEF ESSAY ABOUT YOUR EDUCATIONAL AND/OR CAREER GOALS.

C. LIST ACTIVITIES IN WHICH YOU ARE OR HAVE BEEN INVOLVED. INCLUDE EXTRA-CURRICULAR ACTIVITIES, SPECIAL PROJECTS, OFFICES IN ORGANIZATIONS, COMMUNITY SERVICE, AND VOLUNTEER WORK.

DESCRIBE ANY ACTIVITIES IN AMATEUR RADIO IN WHICH YOU HAVE BEEN INVOLVED.

D. OUTLINE YOUR WORK EXPERIENCES.

E. SUBMIT THREE (3) LETTERS OF REFERENCE (FROM INDIVIDUALS NOT RELATED TO YOU)

(PART F. TO BE COMPLETED BY AMATEUR RADIO OPERATOR OR RELATIVES OF HAMS)

F. ARE YOU A HAM? _____ IF SO, CALL SIGN: _____

CLASS OF LICENSE: _____

IS ANYONE IN YOUR FAMILY A HAM? _____ WHO _____

HOW IS THIS HAM RELATED TO YOU? _____

I, _____, DECLARE THAT THE INFORMATION PROVIDED FOR CONSIDERATION OF THIS SCHOLARSHIP IS TRUE AND ACCURATE. I GIVE MY PERMISSION TO THE SCHOLARSHIP COMMITTEE TO SEEK ANY INFORMATION AVAILABLE CONCERNING MY ACADEMIC RECORDS.

SIGNATURE OF APPLICANT

DATE

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Tri-State Amateur Radio Group Hamfest 2000 & Eyeball QSO



Friday March 31 from 5pm to 10pm
Vender setup, tailgate swap & cookout

Saturday April 1 from 8am to 2pm
Hamfest with dealers present, free swap
tables, several forums and NWS spotter's
school at 3pm.

**Located at the Mooreland Fairbarn
in Mooreland, OK.**

Go 7 blocks north from the jct. of US412 & SH50 then 2 blocks back
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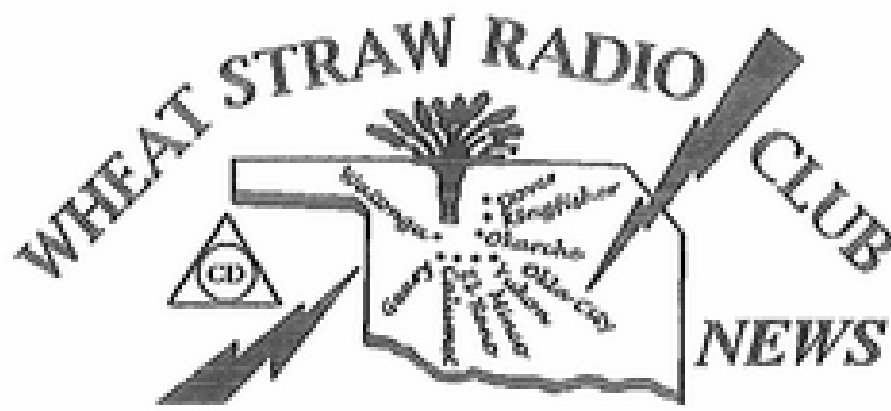
Duane Henderson at 580-994-2223

Jay Kruckenberg at 580-994-2751

Jim Hand at 580-994-6118

or e-mail at w5okt@arrl.net





Wheatstraw Amateur Radio Club

The February meeting was held on the 6th due to the small problem of the building being booked on our regular meeting date.

The meeting was called to order by our president Neal N5KCO. All attending made self-introductions. The minutes were read with no corrections.

The cables have not been repaired or replaced at the meeting date, but they are being taken care of.

There was a lengthily discussion about the restructuring of the amateur licenses. Maybe by the next meeting some one will be at the meeting that can answer our questions. Also, if we get some new forms at the next meeting, it may help straighten the rest of us out.

I have talked to some of these amateurs who have a great opportunity to upgrade who are not interested now. Wait until retirement age. I think many will see that they missed the boat. As most of us grow older, we do not understand things as well, loss of memory. Even when you have just read something and can't remember what it was is part of getting older. I have had that problem and I admit it. You are old enough to know what you wish to do.

I am looking forward when grandson John up grades. Then we can have a three way QSO, WA5PFI, WA5PFJ, and WA5PFK. Sorry I got a little side tracked from the meeting.

I lost my notes, but that was the just of the meeting. The motion was made and seconded to adjourn for refreshments.

The next meeting will be at Dover, Ok. at the CHRISTIAN Fellowship Hall March 12/2000. Hope to see you there.

Olive, N5IXN and Ralph, WA5PFK volunteered to be net controls for the next month.

Ralph WA5PFK.

What is worse than having your father-in-law living in your basement? --Having him living across the hall from your bedroom.

Hometown Phone Operators By Mildred Twiford

In the days of local telephone operators, my husband and I owned a floral shop. Our son Don, was band instructor at the local high school in our town of about 1,500.

Don's wife was expecting her first child and he had taken her to the hospital. My husband had gone fishing, so I was alone at the shop that morning.

The phone rang. One of the operators, Alva, said, "Bertha, Dr. Allison has been trying to reach Don. Do you do you suppose anything is wrong?"

"I'm alone here at the shop, but I'll walk over to the school and tell Don," I said.

"No, it's too hot. Don't you walk over there. My car is sitting out in front of the office. It's on your way. Just come in and get the keys." "But I don't drive." "Oh, that's right."

"Call Dr. Allison and I'll find out how urgent it is." I said, "When she connected me with the hospital the doctor said, 'Nothing's wrong, I just thought Don would like to know he has a little boy,'"

Alva came back on the line and said, "Bertha, I'll get one of the other girls to take my station and I'll be right over to pick-up. Don needs to know, I'll take you to the school so you can tell him and he can take you back."

Today you get a recording, saying sorry but your call can not go through as dialed.

Ralph WA5PFK

OPENING PRAYER of a CHAPLIN:

"O-GOD of hosts, we bow our heads in thankfulness for the victories thou hast granted us--to and to those peoples who have united with us to stamp out the evils of aggression, intolerance and greed.

We beseech thee to bring the blessings of understanding to the families and friends, in this and other lands, of those who have given their lives that men will be free. Grant us too O GOD, that those closest to the fallen may mingle the pain of their losses with the ennobling light of sacrifice for civilization. Sacrifice for a better world for this and other generations yet unborn.

Grant us O GOD, the courage to live with the family of nations around the world that the end of strife will be the beginning of enduring peace. Grant us patience in planning with our fellow men a world in which nations may resolve their differences by peaceful means.

"Touch thou the souls of men in every land with the enduring light of wisdom so that they may form a brotherhood of peoples which they will strive to further the arts of peace under laws and ethics by thy love.

"Grant us now thy continued blessing upon unity and strength, that makes victories possible in war, that we may win greater victories of peace." "AMEN"

SAYONARA

One of the world's best-known DXer is no longer a licensed radio amateur. This, with the announcement that Yasuo Miyazawa JH1AJT, has surrendered his amateur radio station license to Japanese telecommunications authorities in the wake of accusations that another ham sat in for Miyazawa's upgrade examination.

Going by the nickname of Zorro, JH1AJT was one of the rising stars in the DX world until last June. That's when the daily DX newsletter Carried an article from a Japanese-language newspaper saying that Miyazawa and another Japanese amateur had been arrested after allegedly obtaining an operator license using false identification.

According to the daily DX story, in October 1955 Hirohiko Diakoku JG3QCW allegedly took Japan's Second Class amateur license test for Miyazawa. At the time, Miyazawa was a fourth Class ticketholder That's equivalent of our no code Tech.

The circumstances in the investigation that lead to Miyazawa's arrest have never been revealed. It is known that in addition to his

own JH1AJT ticket, Miyazaawa has also turned in the callsign 7J1YAJ, for which he was a trustee.

Over the years Miyazawa has operated from many sought-after DX spots throughout Asia, Africa, and the Pacific. He had been Scheduled to receive the DXer of the year Award at the new Orleans International DX convention on August 28th. By mutual consent that award was not given this year.

Reported by David Black reporting for Newsline

More Amateur Radio Newsline SPECTRUM ALLOCATIONS:

IFTS worries about 2.5 GHz

A possible spectrum grab that could impact on numerous services here in the United States. Newsline's Bill Burnett, KT4SB, reports from Miami:

A few months ago Newsline reported on a petition to the FCC by the county of Los Angeles and several other communities for access by law enforcement to the 2.5 gigahertz band. But hams are not the only ones worried about retaining their part of the spectrum. So are the providers of Instructional Television and multipoint commercial distribution services. Instructional Television is commonly abbreviated as IFTS and multipoint commercial distribution services are called NMDS.

According to Kenneth D. Salomon of Washington law firm of Dow, Lohnes & Albertson, the IFTS and MMDS segment of the 2.5 GHz have historically been used for educational television services in schools and for commercial "wireless" cable television services. This says Salomon is because the 2.5 GHz band has propagation characteristics that make it ideally suited to the provision of broadband services to residential, education, and small-business users in suburban and rural environments.

But Salomon is worried. The FCC has already authorized the provision of a two-way service in the 2.5 GHz band. And in May of this year the World Radio Conference of the International Telecommunications Union will take place in Istanbul. Among the items on the agenda is designating frequency bands for Third Generation Mobile

Telecommunications. One of the bands that this emerging technology is eyeing is the 2.5 GHz band used in the U.S. for IFTS and MMDS.

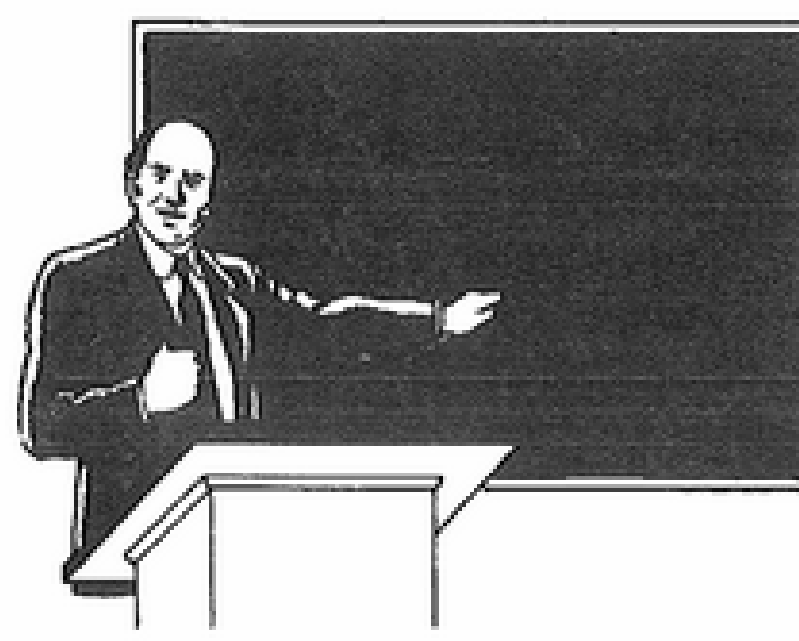
Salomon says various European countries and others have been pushing the 2.5 GHz band for the new two way service. The United States Government is currently developing its position on spectrum allocation for it.

Salomon says that the current users and a new two way service cannot share the same spectrum. He says that if successful, the push to use the 2.5 GHz band for the new service would require the re-location of IFTS and MMDS to other inferior frequency bands.

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

Salomon says that the National IFTS Association is working on stopping the prospect of a global allocation of the 2.5 GHz band for Third Generation Mobile Telecommunications. Meantime, law enforcement and other public service communications in California and presumably other parts of the United States are attempting to try to get access to the same band.

(News release)



RADIO LAW:

Petition seeks declaratory Ruling on Homeowner rules

The FCC has assigned case number D A 00-196 to a Petition for a Declaratory Ruling that certain restrictions of a homeowners association are preempted by the Commissions own over the air reception device rules. The request was put into the public record on February 4th. Comments are due by March 6th with reply comments expected no later than March 21st.

(FCC)

FCC creates Y2K problem for FM broadcasters

The FCC appears to have created a gigantic Y2K problem by decommissioning its long reliable FM Engineering Database computer on December 31, 1999.

According to Bob Gonsett's CGC Communicator, that's when the powers that be at the Commission replaced it with another computer and a brand new data format the very next day. Doing so with little or no notice. As a result, the number of station records has jumped from 28,000 to 62,000 because archived and obsolete records have been added. But that's not all. And, as of ten days or so ago, the new database had numerous errors starting with the very first record. Also, the Section 73.215 directional flag was missing and the Comments were absent without leave - and Gonsett says that they are not expected to return. At least not soon.

Unfortunately for FM broadcasters, most of the Commission's repair efforts are being directed at their AM Engineering Database which Gonsett says is in even worse shape.

(CGC Communicator)

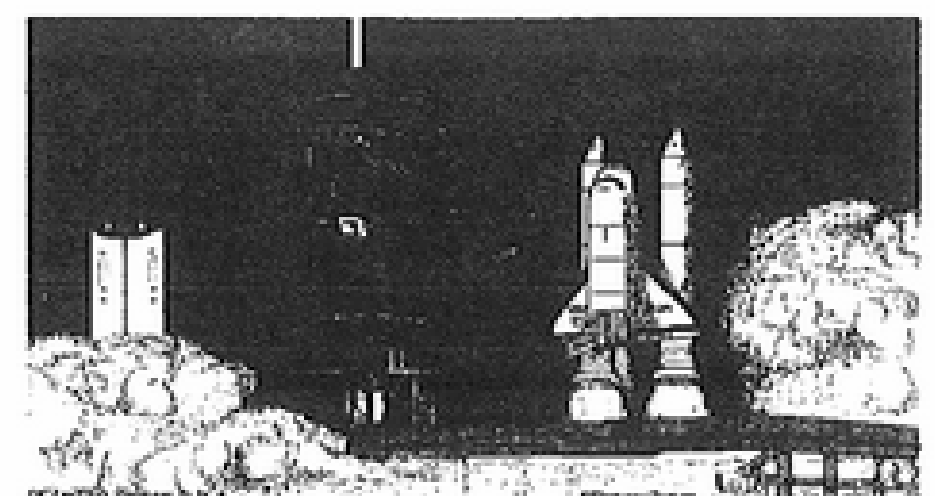
SAREX:

NASA TV in N.J.

Brookdale Community College in Lincroft, New Jersey is currently transmitting NASA Television on 439.250 MHz using horizontal polarization. According to John Magliocane, KD2BD, a combination of subcarrier and on-carrier audio is employed so that the audio may be received not only on ATV receivers, but also on handheld receivers and scanners tuned to the video carrier frequency of 439.250 MHz. Further details are available at:

<http://www.njin.net/~magliaco/atv.html>

(Spacenews)





OKlahoma DX Association

From Da' Prez

By LARRY SHIMA, WØPAN

As I write this, half of the ARRL DX Contest is over and the second half is soon to get underway. I hope most of you were able to participate in both weekends (or at least one) and snag a few new ones needed for your next DXCC submission.

As we approach the new License Structure Era, keep in mind that future DX'ers and Contesters will join us because of the new program. It is incumbent upon each of us to welcome all newcomers to the OKDXA and bring them into the fold. The General Class license has always been the gateway ticket to the HF bands and you'll hear plenty of new General's after April 15th regardless of your thoughts on whether CW is an obsolete or necessary part of the Amateur Radio exam process. We must deal with what the FCC has decreed and never forget we are regulated by the FCC. It is through their good graces that we have spectrum available for the pursuit of DX. Without this spectrum, we would not have a hobby that is enjoyed, every day, by hundreds of thousands of people from all walks of life, worldwide. OUR RADIO SPECTRUM IS NOT A GUARANTEED RIGHT FOR ANYONE, no matter how fast you copy CW or breeze through an exam! We keep our allocations through the efforts of the ARRL, Lobbyists, our good works in Public Service, and the judicious use of the frequencies we share.

Some have expressed the view that the new program will be the death of Ham Radio. As a licensed Ham since 1953, I have heard that argument at least several times! I heard it when "INCENTIVE LICENSING" came along in 1964, again in the mid-1970's when the current structure was discussed and eventually implemented. Believe it or not, Ham Radio is still with us with a new vigor to be involved with whatever aspect interests the participant.

To those who can't accept the change and threaten to quit Ham Radio, terminate

membership in the ARRL, etc., etc., I say get a life and try some other hobby! Those who take change in stride as we progress through the years ahead will stay involved and help shape the future of the hobby. Even with the warts, Ham Radio is FUN and still generates interest in participation. If you don't believe that, you haven't listened to (or worked) a DXpedition from one of those really rare spots.

Without change, progress and innovation, the historic virtues of Amateur Radio, we would not have the digital modes, 2 Meter repeaters, computer-controlled rigs, Ham Radio Satellites, or SSB, to name just a few. Some people watch the world go by, some people influence how the world goes by, and some can't even find the world — WHICH ONE WILL YOU BE?

73 and I hope to see you at the Green Country 2000 HamFest in Tulsa!

— WØPAN

Secretary / Treasurer Report

By JERRY CHOUINARD, K5YAA

A rather uneventful month at this location with only one change to our roster:

Clifton Sikes ex-AB5UA now sports the new call of N5UW. It's the club secretary's hope this new call will help him close out DXCC on 80 Meters.



OKDXA Members Jerome (N5YUK) and Moe (KFØOL) Horowitz demonstrated short band conditions to Larry Fine (STØOGE) at the GreenCountry1999 HamFest

With the sprinkling of contests and fairly good band conditions I am making some progress in gathering country counts for the OKDXA Y2K Competition. From the talk on the Monday evening Net, it sounds like several others are doing the same.

Check in with us on 3860 kHz Monday's at 6:30PM and swap the week's news!

— K5YAA

From Da' Editor

By NELSON DERKS, KC5QVV

When this C&E arrives in your mailbox the Green Country 2000 HamFest will be just a little over a week away (March 24 & 25) with the end of the OKDXA Y2K COMPETITION a week later (March 31). This is quite a month for active OKDXA Members, and don't forget Green Country 2000 is the site of this year's ARRL West Gulf Division Convention!

For those of you planning to attend the OKDXA business meeting tentatively scheduled for 2 PM Saturday afternoon, don't forget THE NEW LOCATION at the RIVERSIDE AIR PARK CAMPUS of the Tulsa Technology Center in JENKS, OK. If you're motoring in from the red dirt part of Oklahoma to the West, your best bet is to exit I-44 at US-75 and aim South as if you're going to Okmulgee, then take the 81st Street exit marked R.L. Jones Airport and follow the signs. If I-40 is your route of choice, exit US-75 North at Henryetta and enjoy the scenery for about 40 miles until you reach the very well marked Main Street / Jenks exit and follow the signs.

To avoid any panic, be aware the airport

goes by several names depending on who put the sign up: R.L. Jones, Jones-Riverside, or Riverside. There's only one airport in town so you can't go wrong. If you should get turned around in Jenks, look for Main Street, which can take you

out of town or to the HamFest... For locals who want to avoid the Jenks traffic, 71st Street west of the river, south on Elwood. The nearest intersection to the HamFest is 91st and Elwood with the entrance to the Technology Center on 91st. Look for the Student Center building and the parking lot full of old cars with too many antennas. You know the drill. The HamFest is in the student hangar, campus center, and fully windowed on the entrance side so you can't miss it. (really!) There should be gazillions of OM's and tons of junque visible from the parking lot. If the weather is good, they may open the doors so you can smell the phenolic from the parking lot... An aroma that has been known to draw in OM's from miles away.

Talk in is on 145.110 or 443.850 which are linked and PL toned at 88.5 Hz; Cessna jockeys should use 120.300 MHz until the wheels hit the ground, aircraft parking is free. Additional information can be found at: <http://www.greencountryhamfest.org>. Tickets at the door are \$8.00 this year.

March is also your last chance to add a few more countries to your score in the **OKDXA Y2K COMPETITION** ending on March 31st. You'll find an entry form in this newsletter as well as on the OKDXA web site listed at the end of every newsletter. As of late February my score is profoundly low, an embarrassment of rampant procrastination, but I have great hopes of seeing a rally in early March. It's amazing how little I can get done when I have three months to do it... Even if you haven't been planning on entering, take a look at your logs and add up the countries you've worked per band and mode since January 1st... You could be a contender!

— KC5QVV

OKDXA OPS TO VP5 FOR WPX

Dave Horn, W5AO Jim Hood, K5TT and Jim's wife Karen will be traveling to the Turks and Caicos Islands (VP5) to operate during the WPX SSB Contest the weekend of March 25, 2000. They will be located on North Caicos Island at the northern end of the island group. The operation will be on the air from March 20th until March 29th. All HF bands, 160 through 6 Meters, will be activated using SSB and CW. The callsign **VP5V** will be used during the contest with homecalls/portable VP5 being used before and after the contest. VP5V and VP5/W5AO QSL cards go to Box 88, Morris, OK 74455-0088 while VP5/K5TT

cards go to the K5TT home call address. More information is available at the web site <http://hammer.prohosting.com/~w5ao>, e-mail during the op to vp5b@tcway.com



CONTESTING FROM J3A

By JIM HOOD, K5TT

(Part II of II – Continued from last month)

The contest started at 8:00 PM local time. By 5:00 everything seemed to be working, but everyone was exhausted, so we took turns going down the mountain to get something to eat and maybe a shower. Everyone returned to make any final adjustments at their respective operating positions. I started on the 10 Meter station with the beam on Japan and the USA.

Everyone was psyched as the start time approached, then Don counted down 5, 4, 3, 2, 1... All six stations keyed up simultaneously and three stations went spastic; mine included. We didn't have the time or energy to test the stations under simultaneous operation. All indications were that some of the computers couldn't tolerate the RF coming in through the cables. Don, Ann and I went scrambling for toroid cores. It was every person for their selves and I managed to wrestle up a few. I tried lead after lead with no success. After many tries, I found stray RF was coming into the FT-1000MP through the power cord connected to the same power source as the 20 Meter amp. A valuable 45 minutes of contest time was lost.

By an hour into the contest everyone was rockin' and rollin'. 10 and 15 Meters were declining but conditions were exceptional on 160 and 80 Meters. We began rotating operators on the low band stations and the pile up on 40 Meters was awesome. Kazu was setting a torrid pace on 20 Meters.

At the first signs of dawn, the high bands sprang to life with openings to the Middle East and Eastern Europe. 40 and 80 were

open to Japan and Australia was worked on 160. What a way to start the new day, it just doesn't get any better than this.

After the low bands went dead, we took turns going down the mountain for a short rest and shower. John and I were back at the hotel at about 3:00 p.m. when a nasty thunder storm came over the top of the mountain. We

had lightning striking all around and the power went off at the hotel. The wind was gusty with very heavy rain, and I could only imagine what it was like at the contest site. I was extremely concerned about the antennas and safety of everyone there. As we drove back up to the EOC and rounded the last turn, I was relieved to see all the towers standing. They had no power interruption, although the QRN and rain static were pretty bad. The rain and some occasional lightning continued through Saturday night. The QRN was so bad that we could only work the loudest of the stations on 80 and 160. But, we did manage to get a little extra sleep despite the weather since 40 Meters was about the only productive band.

In the darkness we did not notice the wind was turning the 20 Meter beam in different directions after the mast worked loose in the rotator. It wasn't until Sunday when we realized it was not pointing where we thought it was. No doubt this cost us many contacts on 20 Meters which could have been productive throughout the night. 10 Meters to Europe in the morning and to Asia in the late afternoon was fantastic. Of course, openings to the USA during the day kept us pretty busy as well.

By 8:00 PM on Sunday it was all over. Despite the weather and a few equipment problems a new high score from J3 was now in our hands; nearly 12,000 contacts were made. A summary of the results are shown below:

CQ WORLD WIDE DX CONTEST 1999

Call: J3A Country: Grenada Mode: CW

Category: Multi Multi Zone: 8

All reports sent were 59(9) unless noted.

Band	QSO	QSO	Pts	Pts/QSO	Zone	Cntrys
160	390	799	2.05	15	28	
80	1339	3240	2.42	28	84	
40	1880	4908	2.61	30	106	
20	2198	5306	2.41	38	131	
15	2901	7516	2.59	40	137	
10	2626	6613	2.52	34	119	
TL	11334	28382	2.50	185	605	
Total Contest Points:			22,421,780			

After 48 hours of operating, we began dismantling and packing all the radio and computer equipment before departing for the EOC. Surprisingly, this was done in about an hour. We managed to squeeze all the gear and six people in two very small cars for the trip down the mountain and a late dinner. Early Monday morning we returned to the EOC to take down the antennas. Lowering the 50 foot 20 / 80 M tower was no easy task; we watched as our Grenadian tower crew gingerly dropped the tower onto the EOC roof then to the ground. By noon, all the antennas, towers, and coax were down, disassembled, and stored at the EOC. We said good bye to our EOC hosts and drove down the mountain for the last time.

With all of our work completed, Don arranged for a short island tour with a guide named Stanley. He proved to be one of the more sensible local drivers and quite proficient in the use of his van's horn. He was a fast learner and we had him calling CQ in no time. After the tour, Stanley took us to Rudolph's Restaurant for our celebration dinner. The rum punch, wine, and lobsters were great.

On Tuesday morning, Stanley took all of us (except Don) to catch the once a day flight to Miami. We had to get all of the luggage and radio gear through US Customs in Miami, and US Customs at the Miami Airport is chaos to say the least. But, we all made it without incident and said our last good-byes as I caught my flights to Dallas and Oklahoma City, where I was back home Tuesday evening.

BOTTOM LINE:

Am I glad I went? Absolutely! This was one of the best-organized operations I have been on. The cost was low for trips of this type and the group was quite compatible.

Were we competitive? Not really; not on a world wide basis. But, for six operators on a fairly low budget operation, we were very successful. Our competitors used

permanent large installations, spent a week or more putting up antennas, and / or spent tens of thousands of dollars with 10 to 20 people typically involved.

Am I going back? Given the opportunity, I may. Since part of my reason for taking these trips is the adventure and experience of a new place, I tend to not go back to the same place twice. And, what are the main considerations in taking a trip of this type? The first and most important consideration for any DX trip is the compatibility of the group. One needs to evaluate this very carefully. The stress, frustration, fatigue, and intensity of DX and Contest operation can bring anyone near the edge of their patience. Close and tolerant relationships need to be in place prior to the trip.

A close second is personal risk. Travel to the better DX and Contest locations has some risk associated with it; it's just a matter of how much you're willing to risk and how well you can control it. Medical care may be primitive or not available in a short time frame. Erecting towers and antennas is dangerous work and working with temporary power line feeds is hazardous, especially in countries with different electrical standards. Serious diseases may be contracted and you might become the target of a robber or terrorist. Ground travel can be dangerous and, at the very minimum, digestive tract infections are very common and should be expected.

These are major considerations you should give some thought to, followed by cost, financial risk, the rewards and potential of enjoyment. Despite the risks, a good DX trip can be extremely rewarding and adds a new perspective to your radio experience. I hope everyone gets the chance to participate in an off shore Contest or DX operation. There is nothing like it!

Operators: **JK3GAD, WA1S, NJ1V, K2KQ, K2TE, K5TT**

Equipment Description:

160M: FT-990 AL-1200 (sometimes) + K2KQ half-wave vertical
 80M: TS-570 AL-811H + Inverted vee on the 20 M tower
 40M: TS-850S Lousy L-4, sometimes AL-1200, sometimes barefoot antenna: 402CD
 20M FT-1000MP Henry 2K +204CD (4-el Cushcraft on 32-ft boom)
 15M FT-1000MP SB-200 +154CD (4-el Cushcraft on 24-ft boom)

10M FT-1000MP AL-1200 (sometimes) +HyGain 5-el on 30-ft boom.
 — K5TT

OPDX Bulletin - Internet Edition

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

3B6, AGALEGA ISLAND (Update)

Preparations for the 16 day Agalea 2000 operation in October continue on schedule. There have been 17 operators mentioned with possibly one or two being added. According to their Web site, the license and the landing permission will be issued in mid-March in Mauritius (3B8). A team member will be flying to 3B8 within a week to make further preparations. More details and information are available at: <http://www.agalega2000.ch>

CEØY, EASTER ISLAND

The "DX News Letter" reports that Willy, ON5AX, will be active as CEØY/ON5AX during his evenings on 14020 and 14120 kHz. QSL via ON5AX, Willy Dellaert, Leemstraat 95, B-2910 Essen.

FG, GUADELOUPE

"Les Nouvelles DX" reports Isabelle (YL), F5BOY will be active as FG/F5BOY from February 26th to March 11th. She will be active on 10, 15, 17 and 20 Meters.

FH, MAYOTTE

Christian, 6W1QV is now operating from Mamoudzou and plans to be active as FH/TU5DX for the next 6 months. QSL via F5OGL, Didier Senmartin, DASC, BP 19, F-35998 Rennes Armees, France.

FM, MARTINIQUE

"Les Nouvelles DX" reports Franck, F5JOT and Daniel, F5LGQ will be signing FM/homecall from March 18th through April 1st. QSL all call signs via F5JOT.

FO/C, CLIPPERTON ISLAND

Excerpts from a press release by John Kennon, N7CQQ indicate the "N7CQQ Amateur Radio Club, Inc.", sponsor of the "Clipperton2000 DXpedition", is happy to introduce additional members to the "Clipperton2000" team: Charlie Hansen, NØTT; Doug Faunt, N6TQS; and Eddie Stark, EA3NY. They will join the other operators: Mike Goode, N9NS; James Brooks, 9V1YC; Jim Mornar, N9TK; Mark Demeuleneere, ON4WW; Koji Fukui, JK7TKE; Willy Ruech, HB9AHL; Doug Renwink, VE5RA; Bob Aliphin,

K4UEE; and the host John Kennon, N7CQQ. John says the team is finalized, the permit and license are in hand, and the only remaining task is to assemble the team in San Diego for departure on their voyage to Clipperton. QSL's will be via N7CQQ, P. O. Box 31553, Laughlin, Nevada, USA, 89028. For additional info visit: <http://www.qsl.net/clipperton2000>

FR/T, TROMELIN ISLAND

The Lyon DX Gang is proud to announce a DXpedition to Tromelin Island (FR/T) during summer 2000. The exact dates are not known, but they hope to be operational by August. The team will be renting a plane from Reunion Island and arrange full transportation for 4 operators to the island during 2 weeks of operation. There will be 3 stations active on 160 / 80 / 40 / 30 / 20 / 17 / 15 / 12 / 10 / 6 Meters SSB / CW / RTTY. This DXpedition will take place only if they can gather enough funds and it will be an expensive trip as the island is very remote and in a scientific preserve. Sponsors and donations can help via their Treasurer, F5PXT (pay to the order of Lyon DX Gang only): Eric Blanchard, 2, Rue Bichat, Allée 32, 69002 Lyon-FRANCE The FR/T Web site is available at: <http://perso.easynet.fr/~f5nod/>

HZ, SAUDI ARABIA

"The 59(9) DX Report" claims George, JY9QJ will be going QRT in March or April and moving here soon. His activity from HZ-land will be on a limited basis. QSL via DL5MBY.

J6, ST. LUCIA

A member of the Southeastern DX Group (SDXG) Steve, K4WA will be active from March 5-12th. He has applied for J68WA but might call as J6/K4WA. Most activity will be CW on the WARC and low bands operating barefoot with wire antennas. QSL to K4WA direct: Steven R. Schmidt, 1002 Rocky Bayou Drive, Niceville, Florida 32578 or via the bureau.

J7, DOMINICA

"Les Nouvelles DX" reports Franck, F5JOT and Daniel, F5LGQ will operate here after their Martinique operation from March 24-26th. They have requested J72JOT and J79LGQ call signs. QSL all call signs via F5JOT.

JX, JAN MAYAN

Per, LA7DFA will return here in April for 6 months and sign as JX7DFA. He plans

to be very active, especially on RTTY and 144 MHz. QSL via LA7DFA.

OX2, GREENLAND (rare prefix)

For several years a group of Danish amateurs dreamed of activating Greenland on 2m, 70cm and 23cm EME. Their dream will soon become a reality! 6 Meters and all HF bands will be operated around the clock on CW and SSB in addition to the EME operation. There will be 25 operators putting on this large scale operation as OX2K from May 29th through June 6th. The prefix OX2 has not been in use for many years. Greenland is exceptional DX on VHF-SHF and rare on 6 Meters and HF. The group is looking for support as this operation will be expensive. For more information about EME Skeds, QSL info, equipment, and other details, visit the Web page: <http://www.qsl.net/ox2k>

PI, NETHERLANDS (IPA station)

Begin listening for the Dutch International Police Association Radio Club (IPARC) station, PI4IPA to be active on Tuesdays at 1400z on 14165 kHz (when possible). By working this station you can collect points for the Windmill Award and Sherlock Holmes Award.

PJ8, ST. MAARTEN

Ron, ND5S his wife Sue, KF5LG; Bill, W8EB and his wife Dorothy, W8DVC will be on their annual trip to Dutch St. Maarten from February 19th through March 12th. Listen for them as PJ8/home call. They plan to operate in the ARRL DX Phone Contest as PJ8A with W9NIP as their QSL Manager for the Contest. For all other contacts, QSL via home call.

SY2, MOUNT ATHOS

Veronica, IK3ZAW reports that Monk Apollo has applied for and received the special callsign, SY2A to celebrate his 10th anniversary on the bands as the only licensed operator on Mount Athos. Expect to hear his special callsign on all bands and modes now through December 31st.

VKØ, ANTARCTICA

According to "The 59(9) DXReport" Lance, VKØERZ on Davis Base is active almost daily on 14255 kHz from 1200z. QSL via VK2FUN.

VP6BR, PITCAIRN ISLAND (Update)

Lech, LA7MFA; Martin, ZL1ANJ and Olavi, OH5BR have been trying to send Jukka, VP6BR a new linear amplifier. They did not have enough time before the

ship left for Pitcairn on February 12th and hope to find an amplifier before the next ship leaves in a few weeks. Without an amplifier, contacts on 160 Meters will be difficult as well as on some of the other bands. Jukka has been very active on 30 / 20 / 17 and 10 Meters. For additional info, visit: <http://www.qsl.net/oh2br/news.html>

XF4, REVILLA GIGEDO

QRZ DX reports that XE ops will be operating here March 3-18th as XF4LWY. Activity will be on CW & SSB. No bands were mentioned. QSL via XF4LWY.

YM, TURKEY (Special Prefix)

Bulgarian radio amateurs Valeri, LZ2CJ and Tzvetalin, LZ2FV have been invited by Berkin, TA3J and Nilay, TA3YJ to stay in Izmir and Manisa, Turkey between March 22-29th. LZ2CJ and LZ2FV will be active on all bands from TA3YJ's QTH in Turkey. LZ2CJ, LZ2FV, TA3J, TA3YJ and Yasar, TA3D will participate in the "43rd Annual CQ World-Wide WPX Contest (SSB)" at TA3YJ's QTH, Manisa (Spylious Mountain-Turgutalp Village - 1,000 Meters above sea level) on March 25-26th with the call sign YM3LZ in the Multi-Operator, Single-Transmitter class. The special callsign YM3LZ was issued with permission from "Izmir Directorate Of Radiocommunications" on February 14th. This joint activity by Turkish and Bulgarian radio amateurs will show the friendship between these two countries and promote the future development of amateur radio activity. QSL via TA3YJ: Nilay Mine Aydogmus, P.O. Box 876, 35214 Izmir, Turkey.

XW, LAOS

Hiroo, JA2EZD in Vientiane, has again received the license/callsign XW2A. This XW2A license will be effective until May 5th and is licensed for all bands & modes, 24 hours. Hiroo will be using a Kenwood TS-570S and a Yaesu FT-840 with Cushcraft beam antennas and dipoles for 7 / 18 / 24 MHz. He will mount a 50 MHz 4 element Yagi on top of a 20m water tower. He has been heard on 40 / 17 / 12 / 10 Meters CW/SSB at various times between 2200 and 0430z. QSL via: Hiroo Yonezuka, P.O.Box 2659, Vientiane, Laos (but requests 2 IRCs for printing QSL and quick return by air mail). Hiroo hopes to have photos of his station at XW2A, soon on his Web page at the URL address: <http://qth.com/dxshack/>. E-mail address is: JA2EZD@wwdx.net

YB, INDONESIA

Bob, W7TSQ plans to use his old callsign, YB3ASQ from Indonesia until March 26th. QSL via W7TSQ

IOTA NEWS

AF-NEW Dennis, ZS4BS SARL HF Manager reports an IOTA DXpedition is being planned to Elephant Rock off the West Coast of South Africa. Elephant Rock Island straddles the 31 degrees south latitude and the call sign will be ZS31ER. The expedition is planned for March 26th-April 1st. An IOTA reference number will be issued when the operation is active.

AF-054 Bert, PA3GIO will operate as 5H3/PA3GIO from Mafia Island, Tanzania on June 18 / 19th through the 24th. He will operate the IOTA and DX frequencies (SSB only) on 80 / 40 / 20 / 17 / 15 / 12 / 10 Meters with 100 watts into a Doublet. QSL via the Bureau to PA3GIO. Visit: <http://www.qsl.net/pa3gio/5H3/>

AF-063 Bert, PA3GIO will operate as 5H1/PA3GIO from Pemba Island, Tanzania on June 25 / 26 through July 1st. He will operate the IOTA or DX frequencies (SSB only) on 80 / 40 / 20 / 17 / 15 / 12 / 10 Meters using 100 watts into a Doublet. QSL via the Bureau to PA3GIO. Visit: <http://www.qsl.net/pa3gio/5H1/>

AS-024 Operators JF1CZQ, JF1IRW, JN1JFC and JQ1DPP will be active from Yonaguni Island which is included in the Yaeyama Island group. The team of JA's will be active March 16-21st signing with their homecall/JR6. Activities will be on 80-6 Meters, SSB and CW using two stations. QSL via operator's home call direct or JARL bureau. Yonaguni Island is the farthest western island of Japan and is very close to BV.

AS-063 (NEW) Paul, UA4FRV reports he and a team are planning activity during June and July from Petra Islands (AS-063) and Begicheva Islands (AS-???) which will be a new IOTA. The team, however, is looking for sponsors to help offset the estimated cost of \$ 6,000 (US) for the 7 or 8 days of operation. If you are interested and can help fund the operation, please contact Valery Gusakov, RA4FKC. For more information E-mail to: fkc@sura.ru

EU-040 Pedro, CT1EKY, will be active from Berlenga Island for one week starting February 29th and ending March 6th. His callsign will be CT1EKY/P or possibly a

special callsign. His operation will be SSB on 10 / 12 / 15 / 17 / 20 / 40 and maybe 80 Meters. QSL direct via his home callsign.

MISCELLANEOUS NEWS**DX MAGAZINE'S 100 MOST NEEDED DXCC ENTITIES**

Carl, N4AA Editor of QRZ DX and the DX Magazine, reports he has posted this worldwide listing to his Web page under "DX News" at: <http://www.dxpub.com>

The Top Ten are:

- | | |
|------------|-------------------|
| 1 - P5 | NORTH KOREA |
| 2 - VU4 | ANDAMAN |
| 3 - A5 | BHUTAN |
| 4 - BS7 | SCARBOROUGH |
| 5 - 7O | YEMEN |
| 6 - 3Y/B | BOUVET |
| 7 - VU7 | LAKSHADWEEP |
| 8 - VKØ/M | MACQUARIE |
| 9 - VP8/SS | S. SANDWICH |
| 10 - 3C | EQUATORIAL GUINEA |

VKØMM - "INPUT REQUESTED"

Alan, VKØMM is looking for a way to "maximize the number of stations working Macquarie Island as a new country regardless of band or mode." He reports his logging software shows the same call signs show up time and time again on different bands and modes. These, he states, are usually the "5/9++" variety and the average Ham with 100 watts into a vertical has much less chance of breaking through, especially on SSB. There are many who have worked VKØMM four or five times in different combinations of band / mode / call sign. The bottom line is that as a single operator, Alan can work only one band and mode at a time. He asks the Amateur Radio DX'ers: "What is more equitable, fairer, all round efficient?" 1,000 QSO's with 1,000 different stations, each of whom is happy having worked a new country or 1,000 QSOs with maybe 300 to 500 stations who worked VKØMM in one or more different combinations of bands and modes ??? Any comments, opinions, two-cents worth etc. would be welcome. Alan will be off the ANARE station until the end of February working at the other end of the island and will read any comments on his return to base. The last supply ship of the year will be arriving fairly soon. This supply ship will bring Alan a new iambic keyer and a linear to use as he is settling in for the winter. Alan states, "I'd like to get an operating strategy in place by then and will base it on the wishes of the majority." Alan's (VKØMM) E-mail address is: vk0mm@yahoo.com

DXCC NEWS RELEASE

The ARRL DXCC Desk announced their new enhanced DXCC Card Checking Program. Under this new program, DXCC Card Checkers will be able to check all awards except 160 Meter DXCC and all QSL's from any current DXCC Entity. This will apply to both new awards and endorsements. QSO's made up to ten years prior to the current year will be eligible for checking in the field while older cards and Deleted Entities may still be sent to ARRL HQ. The new DXCC Field Checking Program will become effective on April 1st. Reappointment of "DXCC Card Checkers" under the new criteria will be necessary. Nominations may be made by Section Managers and ARRL affiliated DX Clubs of 25 members or more. Visit the ARRL web site for more info.

SPECIAL D-DAY OPERATION

Willy, ON4CHP will operate a Special Event station from Friday, March 31st through Sunday, April 2nd, on the Allied WW II landing beaches in Normandy, France. He will sign ON4CHP/P on 40 / 20 / 15 / 10 Meters with 100 watts. On Saturday, he will be active from Omaha, the best-known American beach, or Utah. On Sunday, he will operate from Gold beach, one of the British landing zones. QSL via bureau or direct. Willy states: "If band conditions are good, the activation could give some fine QSO's with the older American, Canadian and British OM's to whom we Europeans owe so much."

CAMPBELL DX COMMEMORATIVE

The Kermadec DX Association now has specially stamped and signed envelopes from their January 1999 DXpedition to Campbell Island. These envelopes are printed with a ZL9CI emblem specially designed for the occasion, which include a portion of the vessel "Braveheart" logo and the resemblance of an antenna. All envelopes have been signed by the 11 members of the DXpedition team and postmarked "Wellington NZ 12 Fe 99". A total of 200 were signed and only 100 are available to the amateur radio fraternity. The cost of these envelopes is US \$15 each plus US \$1 for return economy class postage. SAE's are not required but your return address label would be appreciated. Thank you for your interest in our covers. Regards, Ken Holdom, ZL2HU Group Organiser / Team Leader / QSL Manager Kermadec DX Association January 1999 DXpedition to Campbell Island. Postal

Address P O Box 56099 Tawa, Wellington
New Zealand.

WANT TO TRAVEL TO RUSSIA?

Guy Shields, W4GBU of the "Friendship Force" in Atlanta, GA, is organizing a "Radio Amateur Operator Trip to Russia" to meet with and stay with Russian Hams for about a week. You will be able to operate with them and learn Russian DX'ing and Contesting techniques as well as visit Red Square, the Kremlin, shop for old Soviet radios, etc.... If you are interested in going to Russia, see details at: <http://w4gbu.home.mindspring.com> then, click on the "Trip to Russia" line. This should prove to be an exciting trip for all Radio Amateurs...

NEW 160 METER JA FREQUENCIES

It has been reported that effective April 1st, JA's will be able to use 1810-1825 kHz in addition to their current privileges on 1907.5 through 1912.5 kHz.

XZØA DXPEDITION QSO TOTALS

The final totals for the 2000 XZØA Myanmar DXpedition by the Central Arizona DX Association are as follows:

	SSB	CW	TOTALS
160	81	2,304	2,385
80	2,347	3,207	5,554
40	3,697	4,442	8,139
30	---	4,872	4,872
20	8,553	6,350	14,903
17	3,469	3,531	7,000
15	8,545	5,107	13,652
12	4,410	3,809	8,219
10	7,777	4,712	12,489
10 FM	---	---	572
6	74	60	134
2 FM	---	---	17
RTTY	---	---	1,711
PSK	---	---	67
SSTV	---	---	70
TOTALS	38,953	38,394	79,784

All QSO's have been added to the web site log search utility (many thanks to Steve Wilson, G3VMW) and can be accessed at: <http://www.getnet.com/~k7wx/xz0alog.htm> The main page has links to a photo gallery where more pictures will be added. <http://www.getnet.com/~k7wx/myanmar.htm>

73 de Warren, K7WX

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

ARRL CONTEST CALENDAR

Reprinted with permission from QST
Contest Calendar — K5TR, Editor

WEEKEND OF MARCH 4-5

ARRL International DX Contest, Phone
See your December 1999 QST, page 99.

WEEKEND OF MARCH 11-12

QCWA QSO PARTY, CW/Phone/Mix
Sponsored by Quarter Century Wireless Association. From 1900Z Mar 11th until 1900Z Mar 12th. CW, Phone, or Mixed-Mode. Work stations on each of 15 possible "bands": 160, 80, 40, 20, 15, 10 Meters CW and phone; 6 Meters; 2 Meters; 1.35 Meters; 70 cm & up. Work stations in your own QCWA chapter only once. No crossband or repeater QSOs. QCWA members exchange call signs, the last two digits of the year first licensed, chapter number ("AL" if not a member of a chapter). Nonmembers exchange call signs, the last two digits of the year first licensed, and the state, province or country. Scoring: 1 pt per phone QSO, 2 pts per CW QSO. Count 1 multiplier for each QCWA chapter, plus each non-member state/province/country. Contacts with HQ station W2MM count as 3 multipliers per "band." Awards. All logs must be received no later than 1 month after contest. Send logs to: Dick Newsome WØHXL, 2924 North 48th Street, Omaha, NE 68104-3726 <http://www.teleport.com/~qcwa/qsoparty.htm>.

WISCONSIN QSO PARTY CW/Phone
Sponsored by the West Allis RAC, 1800Z Mar 12th until 0100Z Mar 13th. CW and Phone. 80 40 20 15 10 6 2 Meters. Work stations once per mode per band, no repeater QSO's. Single Op, Multi-Single, Multi-Multi, Fixed, Mobile, Novice, Tech. WI stations send county; others send state/province/DXCC country. CW--3.550 3.705 7.050 7.125 14.050 and 15/10/6/2 Meters; Phone--3.890 7.230 14.290 21.350 28.400 and 6/2 Meters. Score 1 pt/phone, 2 pts/CW QSO. Final score is QSO pts WI counties (max 72); WI stations score QSO pts WI counties + states/provinces. WI mobiles / portables add 500 bonus points for each county where they make 12 or more QSOs. Mobile operators may not sit on a county line to operate. Awards. Send logs by Mar 31 to West Allis RAC, PO Box 1072, Milwaukee, WI 53201; <http://www.warac.org/>.

WORLD WIDE LOCATOR CONTEST

Sponsored by the Czech Contest Club and the OK DX Club, 0000Z Mar 11th to 2400Z Mar 12th. CW, Phone and Mixed-Mode. Single Op, high and low power. Multi Op; Single Transmitter and Two Transmitter. Packet spotting not allowed for any single op. Exchange RST and WWL (grid square). Points are based on computed distance between centers of locators (short path). every 500 km = 1 point; 3.5 MHz × 2, 1.8 MHz × 3. Multipliers are the first two characters of WWL field on each band regardless of mode. Total score is total points × total multipliers. Electronic logs only (ASCII format). Awards. Send by logs by May 15 to Karel Karmasin OK2FD, Gen. Svobody 636, 674 01 Trebic, Czech Republic; ok2fd@contesting.com; www.okdx.cz/

MARCH 14-15

CLARA and Family HF Contest

Sponsored by the Canadian Ladies ARA, from 1700Z Mar 14th until 1700Z Mar 15th. 80 40 20 15 & 10 Meters phone and CW Work stations once per band per mode. Cross-mode contacts count as phone for both stations. Single ops only. Exchange RS(T), State / Province / DXCC country, and status as CLARA member or nonmember. Multipliers are Canadian provinces and DXCC countries. Score 5 points for CLARA member to CLARA member contacts; 2 points for YL nonmember to CLARA member and OM to CLARA member contacts; 2 points per QSO with CLARA family members; 3 points per QSO with non-CLARA YL's; 1 point per QSO w/OM's. Awards. Send logs by April 24 to Audrey Hughes VE1PK, 28 Carriageway Court, PO Box 134, Wolfville, NS B0P 1X0, Canada.

WEEKEND OF MARCH 18-20

ALASKA QSO PARTY, All-Mode

Sponsored by the South Central ARC, from 0000Z Mar 18th to 2400Z Mar 19th. Work AK stations only (AK stations work everyone). Exchange RS(T) and State / Province / DXCC country (AK stations send city). Score 1 pt per phone, 2 pts per CW, digital or SSTV QSO. 160, 80 and satellite QSO's count double. 1.835 3.700 3.785 7.035 7.135 7.235 14.035 14.245 21.135 21.335 28.135 28.335. Final score is QSO pts × AK cities worked (AK stations use States / Provinces / DXCC countries). Awards. Send logs by June 30 to South Central ARC, c/o Jim Wiley

KL7CC, 8023 E 11th Ct, Anchorage, AK 99504; www.servcom.com/worcester/scre.htm.

VIRGINIA QSO PARTY, CW / Phone
Sponsored by the Sterling Park ARC, 1800Z Mar 18th to 0200Z Mar 20th. Single operator, mobile, club, single-multi and multi-multi. Work stations once per band/mode, mobiles as they cross county lines. VA stations work everyone, others work VA stations only. Exchange serial number and State / Province / DXCC Country. CW--1.805 and 50 kHz up; phone--1.845 3.860 7.260 14.260 21.360 28.360; Novice/Tech--10 kHz up and 28.360; VHF/UHF--50.125 147.48 223.50 446.00. No repeater or cross-mode QSO's. Score 1 pt per phone, 2 pts per CW, and 3 pts per VA mobile QSO. Final score is QSO pts VA counties (max 95); VA stations use VA Counties / States / Provinces / DXCC Countries for multiplier. VA mobiles add 100 bonus pts for each VA county from which they make a QSO. Club competition. Awards. Send logs by Apr 15 to Virginia QSO Party, Call Box 599, Sterling, VA 20167; <http://www.qsl.net/sterling/>.

BERMUDA CONTEST, CW / Phone
Sponsored by the Radio Society of Bermuda, 0001Z Mar 18th to 2400Z Mar 19th. Operate no more than 24 hours; off periods must be 2 hours or more. Single op only, 80 40 20 15 10 Meters. Phone and CW, no crossband or crossmode QSO's. Exchange RS(T). Work stations once per

band and mode. Score 5 pts per QSO. Multiply QSO points from all bands DXCC/WAE countries per band. Then multiply by number of VP9 contacts per band for final score. Awards. Logs must be received by 11 am June 1 by Contest Committee, Radio Society of Bermuda, Box HM275, Hamilton, Bermuda HM AX. See the Radio Society of Bermuda site: http://www.bermuda-shorts.com/rsb/rules_1.htm.

WEEKEND OF MARCH 25-26
CQ WW WPX CONTEST, Phone
Sponsored by CQ Magazine, from 0000Z Mar 25th until 2400Z Mar 26th (CW is May 27-28). Single ops operate no more than 36 hours, off periods must be 60 min or more. Classes: single op single/all band, high, low (< 100 W), QRP (< 5 W) or assisted; multi-single (10-minute rule); multi-multi; rookie; tri-band and single element; and band restricted. Send RS(T) and serial number. Score 3 pts per QSO w/different continents on 14-28 MHz and 6 pts per QSO w/different continents on 1.8-7 MHz; score 2 pts per QSO w/stations in North America on 14-28 MHz and 4 pts per QSO w/NA stations on 1.8-7 MHz. Stations in own country count one point. Multipliers are prefixes worked (ie, N8, KA1, HG73, JD1). Work stations once per band; prefixes count only once. Awards. Club competition. Send logs by May 10th (CW, July 10) to CQ Magazine, 25 Newbridge Rd, Hicksville NY 11801; E-Mail to: n8bjq@erinet.com

APRIL CONTEST PREVIEW

(Courtesy of Bruce Horn, WA7BNM)

SP DX Contest
1500Z, Apr 1 - 1500Z, Apr 2
EA RTTY Contest
1600Z, Apr 1 - 1600Z, Apr 2
Japan International DX Contest, 20-10M
2300Z, Apr 7 - 2300Z, Apr 9
QRP ARCI Spring QSO Party
1200Z, Apr 8 - 2400Z, Apr 9
His Majesty King of Spain Contest
1800Z, Apr 8 - 1800Z, Apr 9
UBA Spring Contest, SSB
0700Z - 1100Z, Apr 9
Australian Postcode Contest
0000Z - 2359Z, Apr 15
YU DX Contest
1200Z, Apr 15 - 1200Z, Apr 16
EU Spring Sprint, SSB
1500Z - 1859Z, Apr 15
Michigan QSO Party
1600Z, Apr 15 - 0400Z, Apr 16
Holyland DX Contest
1800Z, Apr 15 - 1800Z, Apr 16
SP DX RTTY Contest
1200Z, Apr 22 - 1200Z, Apr 23
Helvetia Contest
1300Z, Apr 22 - 1300Z, Apr 23
Six Club Sprint
2300Z, Apr 22 - 0400Z, Apr 23
Florida QSO Party
1600Z, April 29 - 0159Z, April 30
and 1200Z - 2159Z, April 30
Ontario QSO Party
1800Z, Apr 29 - 1800Z, Apr 30

(Oops! No room for Doctor DX this month!)

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

A ShaZamaHamaTronics Exclusive! THE INFINITE DX BEAM ANTENNA !!!

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A RADICAL DESIGN for RADICAL PERFORMANCE on ALL HF BANDS - YOU HAVE TO HEAR IT TO BELIEVE IT !!!
SEE IT - HEAR IT - BELIEVE IT - ON MARCH 25th AT THE ShaZamaHamaTronics BOOTH - GREEN COUNTRY 2000

As Cletus B. Liddley, A5LID of Bokchito, OK says: "I don't know how it works, but I had a pileup into JA-Land on 160, QRP!"

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

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

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

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

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

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

OKLAHOMA DX ASSOCIATION - Y2K COMPETITION

00:01 CST JANUARY 1, 2000 TO 23:59 CST MARCH 31, 2000

Name: _____ Call: _____

Street/Mailing Address: _____

City/State/Zip: _____ Phone: _____

E-Mail Address: _____

ENTRY CLASS:

(Check TWO: One for your DXCC Level, One for your Power Level)

Class A: _____ DXCC Level = 150 or Less ⇒ 2X Multiplier

Class B: _____ DXCC Level = 151 or More ⇒ 1X Multiplier

Class A: _____ POWER = 125 Watts or Less ⇒ 2X Multiplier

Class B: _____ POWER = 126 Watts or More ⇒ 1X Multiplier

POINTS EARNED:

⇒ ONE POINT IS EARNED FOR EACH COUNTRY WORKED PER MODE PER BAND ⇐

BAND	CW	PHONE	RTTY	OTHER
6 Meters				
10 Meters				
12 Meters				
15 Meters				
17 Meters				
20 Meters				
30 Meters		(Not Applicable)		
40 Meters				
75 Meters				
160 Meters				

Comments:

TOTALS:	+	+	+	=
----------------	---	---	---	---

Country Total: CW Country Total: Phone Country Total: RTTY Country Total: Other Total Countries
(All Bands & Modes)

FINAL SCORE RESULTS:

X	Circle 1 or 2	=	X	Circle 1 or 2	=
Total Countries (All Bands & Modes)	DXCC multiplier		DXCC Level Points	POWER multiplier	FINAL SCORE !

Signature: _____

Date: _____

I hereby certify that the score reflected above is an accurate and true representation of contacts made during the OKDXA Y2K Competition period. I understand that if I am a Class winner or the Overall Point Winner, I can either submit a log showing: Date / Band / Mode / Call Sign / Country / Country Number or I can have a member of the OKDXA review my log and attest to the accuracy of this summary sheet.

Your entry must be postmarked by April 30, 2000 and mailed to: Larry Shima, WØPAN

GL and Thanks for your participation in

THE OKDXA Y2K COMPETITION !

5908 Yale Drive

Oklahoma City, OK 73162-7533



Edmond Amateur Radio Society

Birthday

The following EARS club members have March birthdays:

3-03 Bob Ellsworth	KB5BIN
3-09 John Nelson	KC5SRH
3-16 Merle Wilson	KB5SPM
3-18 John Sakaly	KM5GM

Member Information:

To notify the Club of a change in your Call, Address or Phone number, please contact Sharon by E-mail at km5gv@arrl.net. Thank you.

E-Mail

Email has become a very convenient way to keep everyone notified of meetings and upcoming events and is part of our Club roster. After the last Club-wide message, several addresses bounced back as no longer current. If you have recently changed your email address, please let Sharon KM5GV know by email, so our records can be updated. km5gv@arrl.net. Thanks.

de Sharon Thompson KM5GV

Club Website

Be sure and bookmark our club website:

www.edmondsun.com/ears

You never know whose station may appear as a feature. Or how organized (or unorganized) that station may be.

BOARD ACTIVITIES

Board Meeting Feb. 15, 2000

The Meeting was called to order by Curtis Foote, KC5GEP, at Bricks Restaurant. In attendance were: Robert Coxsey KM5GZ, Daniel Simpson AC5TE, Larry Traub N5OL, Steve Kuper KC5RYT, Trish Kuper KC5YBP, Claire & Cecilia Kuper, Jim Richardson N5OHL, Lee Vaughn KA5WIS, Dee Mize WD5FHR, Ken Stepp N5DBM, David Wolf KC5KJE, Sharon Thompson KM5GV, Pat Martin KD5CPQ,

Gary Carson KD5CPL, Earnest Wolf K5YKD, Robin Price KD5ISC, Ed Price KA8NBG, June Zimmerman KDSIJ, Clara Granger KG5UG, Wes Foote KC5ZBX, John Thomason WB5SYT, Edith Vaughn KA5YPX.

President's Report: Curtis, KC5GEP, read a letter from David Hartman KC5UNO, announcing his resignation from the position of Secretary. His job prevents him from being able to make Tuesday Board Meetings. Curtis asked if anyone wanted to take this position. Robert KM5GZ, stated that he would take it. A motion was made to have Robert be secretary & was voted on & passed. The minutes of the January Board Meeting, having been sent out by e-mail, were approved as sent.

Treasurers Report: Gary, KC5CPL read the Treasurers Report. A motion was made to approve the Treasurers Report & was voted on & passed. There were no Reimbursements.

Past President Report: Steve KC5RYT, started a discussion about taking money out of the General fund & putting it in the Scholarship Fund. It was discussed & tabled.

VP Report: David KC5KJE, talked about putting flyers in the schools about Ham Radio. The Dinner Meeting place was changed. It will be held at Johnnie's on Britton Road. The Hometown Buffet is closed. The St. Patrick's Day parade meeting was held Monday, Feb. 7th. The Parade will be March 18th, 2000. No Scholarship Applications have been received as of yet.

Board Members: Pat KD5CPQ, asked if equipment is being readied for Field Day. Also if any place has been picked out. Lee KA5WIS, reported on a computer that he has put in the Club Station.

H.F. Committee Report: Ed KA8NBG, asked if the Club would like to have a Special Event Station for the Vietnam Wall presentation. A motion was made to have the Special Event Station & was voted on & passed. The call sign will be W5W. Also there will be a contest in March & the Club will participate.

Club Station Report: Dee WD5FHR, has the inventory ready except for prices of new Icom, Silver Eagle Microphone, Pyramid Power Supply, Rotor, & Intermod

Filter. They were given to him. The City is putting new doors on the Club Station.

Technical Committee Report: Lee KA5WIS, stated that the repeater was doing fine.

Membership Report: Sharon KM5GV, handed out a form showing all Members who have not renewed. Calls will be made next Month.

CORA Report: Earnie K5YKD, reported that t Riley Hollingsworth K4ZDH, will be asked to attend & speak. The C&E billing may change. Gary KD5CPL, will call Hal KB1ZQ. It was asked if EARS would Man (Woman) the registration desk this year. A motion was made for The Club to take this position. It was voted on & passed.

Emergency Report: Ken N5DBM, passed around a Plaque that was presented to the Edmond Amateur Radio Society by David Barnes for all the help that the Club gives the City. The Radio room at the EOC is locked & there are 2 keys at this time. Storm Spotter classes have not been scheduled yet.

President: Curtis KC5GEP, presented a letter from Leisure Services asking the Club if it wanted to have a table to sell gear from. There was no interest.

New Business: John WB5SYT, asked the Board if there could be a special V.E. test session at the Club Station for the expected flood of new licenses on April 16th. A motion was made to have a V.E. session at The Club Station. It was voted on & approved.

Health & Welfare: Clara KG5UG, stated that Buford Ford KC5MXE's Son was doing okay. Frank Tassone AA5GI's Wife had a car wreck & was fine. Also, his kids are okay. Carl Reed N5OQN, had surgery for colon cancer. He is taking another round of Chemotherapy. Linda N5OJP, went into the Hospital for chest pains. She was reported okay. Nothing found.

Adjournment: The meeting was adjourned at 9:00 p.m.

de Robert Coxsey KM5GZ.

There were no expenditure reimbursements this Month.

FUTURE ACTIVITIES:

The Oklahoma DX association has purchased the Campbell Island ZL9CI DXpedition video. It came in just this week. This is an excellent video documenting the world-record setting Dxpediton to Campbell Island in January of 1999. Located about 1400 km south of New Zealand, this remote island was a very rare one on the DX scene. They made 96,000 QSO's setting a new record for a month-long Dxpediton. The video which runs about 55 minutes covers not only the Dxpediton itself but also tells history of the island. I will show this video at the next EARS meeting on March 19th.

73 Jim N5OHL

DUES DUE

If you've been putting off renewing your membership, this is your last chance to avoid missing any of your treasured copies of the C&E.

Dues need to be received by March 27th to keep your C&E coming without interruption.

Dues are \$25 - Individual
\$35 - Family
\$12.50 - Full-time student

Copies of the Renewal Application, as well as the New Member Application can be downloaded from the EARS website <http://www.edmondsun.com/ears>

Dues should be mailed to P. O. Box 48 Edmond, OK 73083

For additional information, contact Sharon KM5GV at km5gv@arrl.net or by phone at 844-6245.

The Edmond Amateur Radio Society is a fun group of amateur radio operators who enjoy all phases of the hobby and who are active in numerous community service projects.

COME BE A PART ...

FUTURE EVENTS:

Spring is about to be sprung. Here's some stuff to keep you occupied in the near future:

The March EARS Emergency Net will be at 11:00 AM Saturday the 4th of March. The April EARS Emergency Net will be on the 1st of April. Be sure to check in,

catch the training, and verify your radio operation for the following events:

The March Siren Test will be Saturday the 4th of March at high noon. The April Siren Test will be Saturday the 1st of April at high noon. Baring cloudcover, the test will go on. Edith Vaughn KA5YPX always needs to hear from you if you can spend some time watching the sirens. Give Edith a call at 348-2961 to get a spot to watch and listen from. Are we going to eject any birds this year?

Breakfast still happens each Saturday at 2nd and Coltrane in Edmond at the Country Kitchen some time around 8:30 to 9:00. Come by and visit about the spring weather.

Don't forget about the Monday Night Information Net that was mentioned above! Tune up on 147.135 mc. at 8:00 PM. All kinds of info comes over the net. Is John really the net control all month?

Every Thursday night is an open house at the club station starting about 7:00 PM. Dave and Jim burn quite a bit of time in opening the station for Thursdays. Come by to visit and see what's going on. The way 10 meters has been open lately, you might pick up quite a few countries for our DXCC.

Board Meeting - 7:30 PM Tuesday, March 14th at the Club Station in Edmond. Come on by and see how the club operates. Make your voice heard. We are looking for board members, so come and help us out!

Business Meeting - Coming up on Sunday the 19th of March at St John the Baptist Catholic Church in Edmond. See the note from Jim above on the DX video.

de Curtis Foote KC5GEP

HEALTH AND WELFARE:

Hi everyone!

We wish to extend our deepest sympathy to Daniel Simpson, AC5TE, in the loss of his brother-in-law, Jim Browning, who passed away Friday, February 18th, 2000 after a courageous

battle with cancer. Our hearts go out to you Daniel and all your family. God bless and keep you.

Buford Ford, KC5MXE, his wife Louise, had triple bypass surgery at Mercy Health Center Friday, February 18th, 2000. Her recuperation has gone remarkably well permitting her to go home on the 23rd of February. Hope things continue to improve each day for you, Louise.

The family of Frank Tassone, AA5GI, has had some additional problems since the accident in Mid January. Their son Tony broke his wrist, and Katie who broke her nose and cracked her collarbone in the wreck got her nose bumped and had to have surgery again on the 22nd to reset it. The children are both doing okay. The old saying "when it rains, it pours" seems to apply here. Hope all goes well in the future.

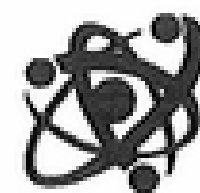
Glenn Reed, K7CAP, was doing better a few weeks ago. He is currently undergoing a series of chemotherapy treatments and was more like himself and in good spirits at the time. We wish the best for you and the family.

All of you are in our thoughts and prayers. Those who are recuperating, we wish you a speedy recovery. All of us who are well and doing fine need to count our blessings and be grateful. I will be in touch with you again next month.

73 de Clara Granger KG5UG

That's it for this month. Please send information for next month's C&E to Curtis Foote at cfoote@theshop.net or curtis.foote@nextel.com so I won't have to take up so much space.

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PCS 410-4005

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A. R. R. L. Bulletins

From: ARRL Headquarters
Newington, CT
To: All radio Amateurs

Special Bulletin 2 February 4, 2000

American Lung Association seeks hams for 2000 "Big Ride"

The American Lung Association is recruiting ham radio "communicators" to assist in its Big Ride Across America 2000. The 2000 ride--only the second to use ham radio operators--is the third annual event to raise money and awareness for the American Lung Association's fight against lung disease.

It's a 3500-mile bicycle trek from Seattle, Washington, to Washington, DC, from June 19, 2000 to August 5, 2000. More than 850 cyclists have raised in excess of \$7.2 million during the previous rides.

Details are available at <http://www.bigrade.com>. Volunteers can sign up for the entire Ride or choose from one or more segments of the country. The direct link to volunteer information is <http://www.bigrade.com/Get/get.html>. The Crew Registration Form on that page lists the segment dates and locations.

To volunteer or to obtain more information about volunteer responsibilities, contact Volunteer Support Manager Mark Ewert, KB1ECH, bigrade@lungusa.org or call toll free at 877-BIGRIDE (877-244-7433).

Special Bulletin 3 February 9, 2000

Virginia General Assembly praises hams
The Virginia General Assembly has approved a joint House-Senate resolution praising the Amateur Radio response to Hurricane Floyd. The resolution unanimously passed both chambers on January 27. A signing ceremony has been set for February 17, 11:30 AM, at the Capitol in Richmond.

The resolution praises the work of Virginia's ARES/RACES members last

September when Hurricane Floyd totally isolated the City of Franklin, and rising flood waters forced city officials to abandon their Emergency Operations Center, forcing the city to rely completely on Amateur Radio for communication with the outside.

"With traditional lines of communication inoperable, the Amateur Radio operators, members of the Amateur Radio Emergency Service (ARES) and the Radio Amateur Civil Emergency Service (RACES), provided the only reliable communication into and out of the flood-ravaged Franklin area," the resolution says.

According to the resolution, the Hurricane Floyd activation was "the widest geographical and longest-running ARES/RACES activation in Virginia's history" and involved nearly 150 ARES/RACES volunteers who put in some 9500 hours of duty to help coordinate emergency operations in Franklin.

"Due to the tireless efforts of amateur radio volunteers, the tragic effects of Hurricane Floyd were mitigated, the lives of those in the flood zone safeguarded, and the suffering of Franklin's residents alleviated," the resolution said in expressing the General Assembly's "admiration and gratitude for the vital contributions of Virginia's amateur radio operators."

ARRL Bulletin 11 February 22, 2000

Section Managers Elected

Ballots have been counted in contested section manager races in North Carolina and South Dakota. In North Carolina, John Covington, W4CC, of Charlotte outpolled G. Roger Allen, KD4MYE, 951 to 891. Covington will succeed outgoing SM Reed Whitten, AB4W.

In South Dakota, incumbent SM Roland Cory, W0YMB, of Mobridge defeated challenger Katherine "Trina" Blanks, KB0TYW, 146 to 88.

Candidates in six other ARRL sections ran uncontested. In Louisiana, Mickey Cox, K5MC, of West Monroe was elected to succeed retiring SM Lionel "Al" Oubre, K5DPG. Incumbent section managers reelected were Robert Leiden, KR2L,

Eastern New York; Tuck Miller, K6ZEC, San Diego; Allen R. Breiner, W3TI, Eastern Pennsylvania; Ronald Phillips, AH6HN, Pacific; and Lynn Gahagan, AF4CD, Virginia.

Terms of office for successful candidates begin April 1, 2000.

ARRL Bulletin 10 February 15, 2000

Georgia Amateurs Respond to Tornado Disaster

Amateur Radio operators are responding in force in the wake of tornadoes that struck rural extreme southwestern Georgia this week, killing more than a dozen people and injuring many more. Georgia Section Emergency Coordinator Tom Rogers, KR4OL, reports that hams from nearby communities including Moultrie and Albany have turned out to help.

Twisters late Sunday and early Monday leveled a housing development in the town of Camilla, in Mitchell County. The town was one of the worst-hit areas. The storm also tore roofs from houses and flattened mobile homes. The storm caught many residents by surprise since warnings were not issued until after they'd already gone to bed for the night.

Georgia Gov. Roy Barnes has declared a state of emergency in Colquitt, Grady, Mitchell and Tift counties. Georgia Emergency Management Agency reports emergency shelters have been set up in Camilla and Moultrie.

"Shelters are open, and the Georgia Baptist Hams are setting up feeding locations and assisting with the cleanup," Rogers said.

An HF emergency net is running on 3975 kHz to coordinate activities. Rogers advised all participating stations to monitor that frequency. If relief operators are requested, operators should coordinate through the emergency net on 3975 kHz before attempting to enter the disaster area.

Thousands were left without power in Georgia and elsewhere. The storm that wreaked havoc on Georgia was part of a system that also struck Arkansas, Tennessee, Mississippi and Alabama before moving into Georgia, Northeastern Florida and the Carolinas.

ARRL Bulletin 9 February 9, 2000

Revised question pools now available

The National Conference of Volunteer Examiner Coordinators Question Pool Committee has released revised Amateur Radio examination question pools into the public domain. The revised questions, covering the new Elements 2, 3 and 4 that become effective April 15, 2000, now are available on the ARRL web site at <http://www.arrl.org>.

The QPC anticipates that the Element 4 question pool will remain valid until June 30, 2002, the Element 3 question pool until June 30, 2003, and the Element 2 question pool until June 30, 2004.

QPC Chairman Ray Adams, W4CPA, says the five-digit numbering system used in past question pools continues to be used in the new question pools. Graphics have been integrated. Minor revisions still are possible.

Current Novice, Technician, Advanced and Amateur Extra graphic sheets remain available and valid. Examinations for the new Elements 2 and 3 will contain 35 questions; examinations for the new Element 4 contain 50 questions.

ARRL Bulletin 8 February 4, 2000

ARRL Asks FCC to Deny Kenwood Sky Command Petition

The League says the FCC should deny a request by the Kenwood Communications Corporation to permit operation of its "Sky Command" system in the 2-meter band. In December, Kenwood asked the FCC either to declare that Sky Command complies with Commission rules or to waive applicable sections of the rules to make it legal. The ARRL filed comments on Kenwood's petition, DA 99-2805, on January 31.

Sky Command, which lets the user control a fixed HF station via a pair of dual-band transceivers, has been on the market for more than two years. Sky Command operates in full duplex, using a 70-cm frequency to transmit audio and control commands to a dualband transceiver at the remote station and a 2-meter frequency to transmit received audio via the remote

station's Sky Command transceiver to the operator's transceiver.

The League maintains that Kenwood's use of a 2-meter frequency would cause amateurs using the system to violate Section 97.201(b), which limits auxiliary operation to certain frequencies above 222.15 MHz.

In its comments to the FCC, the League said the type of operation employed by the Sky Command System is "clearly auxiliary operation, and as such is not permitted in the 144-148 MHz band." Kenwood had asserted in its petition that the 2-meter link constitutes third-party communications under the immediate monitoring and supervision of a control operator. The League says the rules governing third-party communications in the Amateur Radio Service "relate to the content of messages, not to the technical configuration of the amateur stations."

Citing an already densely populated 2-meter band, the ARRL contends that selection of appropriate frequencies for auxiliary operation is essential to efficient use of the limited frequencies shared by amateur stations.

In addition, the ARRL said carving out an exemption by waiving the rules for Kenwood's product, would amount to "inappropriate favoritism."

In 1986, the FCC turned down a petition to remove frequency restrictions on auxiliary operation. In its comments on the Kenwood petition, the ARRL said the FCC's 1986 rationale for keeping the restriction in effect remains, and nothing has occurred to make 2 meters any more appropriate now.

Comments on the Kenwood petition were due by January 31, 2000. Reply comments are due by February 14, 2000. Commenters should reference DA 99-2805. The full text of the ARRL comments are available off the ARRL web site, <http://www.arrl.org/announce/regulatory/arrl-da99-2805.pdf> in PDF form.

More Amateur Radio Newslines SCIENCE:

Earth-Kam to be flown on shuttle

Future space shuttle missions will carry many school students into space vicariously. This, as NASA creates one answer in assisting teacher's with an age-long quest to interest students about science, geography, mathematics and space.

Students at selected schools will be able to access a special camera on the Shuttle, called EarthKAM. EarthKAM, is an Electronic Still Camera bracket mounted to the overhead starboard window of the orbiter aft flight deck will allow the classrooms to observe various student-selected sites.

Students work collectively and use interactive web pages to monitor the Shuttle's flight path. Within hours, classrooms can access the digital images on the web and use them to conduct their own investigation about Earth.

The Shuttle takes about 90 minutes to orbit the Earth, half of this time is daylight and half is dark. Because the EarthKAM only operates in daylight, giving students about 45 minutes per orbit to select targets and take photos.

(NASA release)

THAT LAST ITEM:

New Atomic Clock at NIST

And finally this rather belated Y2K item. It turns out that just days before the year 2000 began, the National Institute of Standards and Technology located in Boulder, Colorado, switched to anew type of timekeeping technology as the nation's primary time standard. It called the Model F-1 atomic fountain clock and this amazing timepiece actually sets itself according to what scientists describe as the resonant frequency of rising and falling balls of cold cesium. This makes the F-1 several times more accurate than the nation's previous time standard, a cesium beam clock known as NIST-7.

(Q-News)

Up Coming Events

March 24-25, 2000 Tulsa, OK ARRL West Gulf Division Convention NEW LOCATION - Riverside Airport Campus Tulsa Tech 801 E 91st St, Tulsa OK Talk-in on 145.11 -600 or 443.850 + 5MHz PL tone: 88.5 Pre-registration CUT-OFF date is March 17th 24 hour HOTLINE (918) 622-2277 - e-mail: megriffin@ionet.net General Info: n5wx@qsl.net

March 31 - April 1, 2000 Tri-State ARG Hamfest and Eyeball QSO, Mooreland, OK. See Flier this newsletter.

ANNOUNCEMENTS

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

VE exams on 3rd Saturday of each month are held at 9:00 a.m. at Southern Temple Baptist Church, 1821 S High, OKC. Talk in on 146.76 MHz. For more information you can contact Clarence Warstler, KB5IBY @ 632-3545.

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

VE exams on 2nd Saturday of each month are held at 10:00 A.M. after the SCARS meeting at the American Red Cross in on Westheimer Airport in Norman. Contact Jim Copeland, NW0K at 329-1681 or e-mail jimhelps@juno.com for more information.

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

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

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

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

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

On the Air

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

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

6 meter check in 52.525 Mhz simplex

Packet check-in on 145.07

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Oklahoma Section Net - Daily @ 0030Z on 3692.5 kHz

T-SARG NW OK - Friday @9:30 p.m. on 147.36+ with an 88.5 tone

1631 SE 15th

677-9001



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(816) 891-0036 Fax
E-Mail: szahos@tfs.net

March 05 - April 15, 2000

CORA Events

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

February						
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May						
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