

# Collector & Emitter

Central Oklahoma Radio  
Amateurs, Inc. Publication

**August 2000**  
Volume 26, Number 8  
Issue 306  
75¢

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For Postal Information

Periodical Mail

## Where Was The Party?

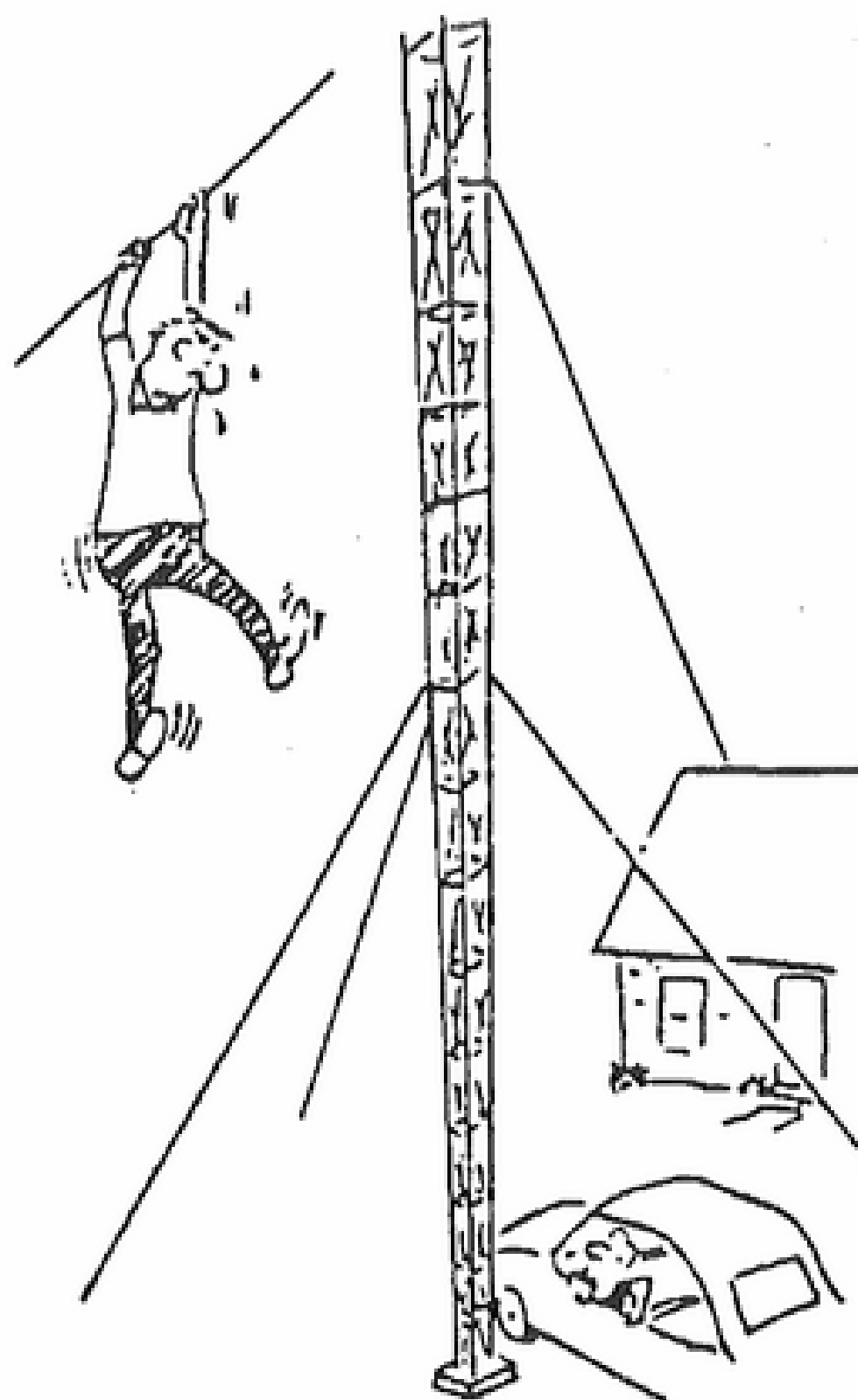
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They didn't have any 20 foot Ladders at The Hardware Store, so you want me to try the Radiostore?

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**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](http://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.

**August 2000****VOL. 26, No 8 Issue 306****Collector and Emitter  
(USPS 116-150)**

is published monthly by CORA, Inc. 4216 Spiva Drive Del City, OK 73115-4424. Periodical postage paid at Oklahoma City, OK. 73125

Subscription rates:

CORA Associate \$6.00 per year

Paid subscription \$9.00 per year

**Postmaster:****Send address changes to;****Collector and Emitter****P. O. Box 55600****Del City, OK 73115-5600**

<b>1. Aeronautical Center ARC</b> Meets: 7:30 p.m., 1st Thursday, FAA, S. MacArthur, OKC Pres.: Bob Kremer, WA9FCT 381-3182 VP: Chuck Bryant, KB5ZVZ 737-0423 Sec/Tr.: Brad Nelson, KJ0W 793-9470 Editor:	<b>10. Oklahoma DX Association</b> 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, AC5UP 918-451-1594
<b>2. Oklahoma Central VHF ARC</b> Meets: 11:30a.m., 2nd Wednesday, Home Town Buffet, 3900 NW 63 <sup>rd</sup> , Oklahoma City Pres.: Bill Noland, WA5FWD 354-5018 VP: Sec: John Dome, KB5WVE 842-3493 Treas.: Jim Speck, W5AI 842-3055 Editor:	<b>11. Edmond Amateur Radio Society</b> Meets: 2:00 p.m., 3rd Sunday, Edmond Community Building 28 E Main, Edmond OK Pres.: Curtis Foote, KC5GEP 359-6514 VP: David Wolf, KC5KJE 340-7485 Sec: Robert Coxey, KM5GZ 478-5715 Treas.: Gary Carson, KD5CPL 751-0006 Editor: Curtis Foote, KC5GEP 359-6514 <a href="http://edmondsun.com/ears">http://edmondsun.com/ears</a>
<b>4. Oklahoma City Autopatch Assn.</b> Meets: 7:30 p.m., 3rd Tuesday, Salvation Army Bldg NW 50 <sup>th</sup> 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: <a href="mailto:osapsa@juno.com">osapsa@juno.com</a>	
<b>6. Altus Area Amateur Radio Assn.</b> Meets: 7:00 p.m. 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	<b>15. South Canadian ARS</b> Meets: 9:30 a.m., 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 <a href="http://www.telepath.com/n5dkr">http://www.telepath.com/n5dkr</a>
<b>7. Enid Amateur Radio Club</b> Meets: 7:00 p.m. 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	<b>17. Ada Amateur Radio Club</b> Meets: 9:00 a.m., 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
<b>8. Choctaw Amateur Radio Club</b> Meets: 7:00 p.m., 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:	<b>19. Tri-State Amateur Radio Group</b> Meets: 7:30 p.m., 2nd Thursday, Woodward, OK Pres.: James Hand, NW5OK 580-994-6118 VP: Larry Goodwin Sr. K5LHG 580-886-3283 Sec/Tr: Gerald Bowman, WSAOK 580-994-5600 E-mail: <a href="mailto:v3bda@att.net">v3bda@att.net</a>
<b>9. Wheatstraw Amateur Radio Club</b> Meets: 2:30 p.m., 2 <sup>nd</sup> 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 Wikler, W5PFFK 405-623-5421	<b>Central Oklahoma Radio Amateurs</b> Meets: 7:30p.m., 4th Tuesday, Salvation Army Bldg NW 50 <sup>th</sup> and Penn, OKC (BackDoor) Pres.: Harold Miller, KB1ZQ 672-7735 VP: Tom Webb, WA9AFM 737-6716 Sec: Forrest Rush, N5VWF 842-8486 Treas.: Perry Jenkins, N5PJ 354-5075 Editor: Harold Miller, KB1ZQ 672-7735 E-mail: <a href="mailto:corahams@swbell.net">corahams@swbell.net</a>

**Deadline for September, 2000 Issue of Collector and Emitter is Friday, August 25, 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 [corahams@swbell.net](mailto:corahams@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 July 25<sup>th</sup>, 2000.

The meeting was called to order by the President of CORA, Hal Miller, KB1ZQ. All four officers were Present plus seven directors representing four clubs, OCAPA, EARS, VHF, and SCARS.

**Secretary's Report:** The minutes as taken by VP Tom Webb, WA9AFM, were approved as printed in the C&E.

**Treasurer's Report:** The report as given by the treasurer was approved.

**President's Report:** We have the insurance for the show. Without the insurance policy HH 2000 could not be held at the Fairgrounds.

A number of dealers were waiting until the last minute this year to decide whether to come or not due to the high cost of gas. Those dealers that we know are coming are: WB0W, Amateur Accessories, Black Feather Electronics, The Picture Factory, D F Electronics, Radcomm, D & L Antennas, Clear Signal Communications, Radio Shack, and Caps Unlimited.

There also will be a number of flea market dealers. The PA system has been ordered and the Staging has been ordered. The Explorer Post will handle daytime security; Carol will handle nighttime security.

Tri State will handle the Wouff Hong scheduled for 10PM in the Made in Oklahoma Bldg.

The final floor plan for the show was gone over.

Programs were listed and poster masters were checked prior to getting them printed.

There are 329 people who have pre-registered.

**Motion:** That any individual 15 years or under accompanied by an adult can get into Ham Holiday free. Motion passed with one opposed.

Prizes were listed. Grand Prize is an Icom 718 HF radio.

Meeting adjourned.

Respectfully Submitted,  
Forrest Rush, N5VWF  
CORA Secretary

## License Processing At Ham Holiday 2000

What a fun experience: like being in the Army again -- hurry up and wait. As Ham Holiday 2000 opened, 18 people had signed up for license processing at Ham Holiday, but when the testing room door was opened, 44 folks, mostly with smiling faces, had formed a line.

The 10 VE's were quickly overwhelmed by the sheer number of people, but quickly settled down to run the session.

Fortunately, most of the examinees were well prepared. They had studied the test material, brought copies of existing licenses and certificates of successful completion with them, had proper photo identification and exact change. Some were less well prepared, but most problems were resolved with little lost motion.

At the start of the session, a old-time ham donated a 1983 Callbook to the VE Team and we used it twice during the session to verify pre-March 1987 Technicians for upgrade to General. Regrettably, I did not remember the donor's name or call, but I appreciate having the book.

When the session was over, the session had produced 13 new Technician, 18 General, and 4 Extra class licensees.

The application backlog at ARRL is essentially cleared, and packages are now being processed within 12 to 36 hours of receipt at ARRL. Thus the FCC could post the license changes resulting from the Ham Holiday 2000 session as early as August 8th.

The VE Team congratulates all those who obtained a license or an upgrade. We plan to list the new calls in the September C&E so that CORA member clubs can outreach to the new hams and bring them into their clubs.

To the new VE's who participated in the session, let me say again, that normally sessions are much less hectic so please come help again!

73,  
Jim, NW0K  
ARRL VE Test Liaison

## Notice

As a result of the large volume of e-mails being received (Reflectors, e-bay notifications, etc.) a new e-mail address has been set up to handle CORA e-mails and articles for the *Collector and Emitter*.

Please forward all articles to the following address:

[corahams@swbell.net](mailto:corahams@swbell.net)

This will insure that items for the newsletter do not get lost or deleted prior to publication.

## TECHNICIAN LICENSING CLASS

The Edmond Amateur Radio Society will once again be conducting a licensing class for those interested in obtaining their first ham license. Classes to prepare students for the Technician theory exam will begin Sunday afternoon, August 20th and run eight weeks, with an exam session on October 22nd. A large group of knowledgeable instructors will lead the classes, with hands-on instruction and demonstration. There has never been a better time to enter the world of amateur radio. Tell your friends and family. For details, cost and registration, please contact Clara Granger KG5UG at 341-2968.

## Where Was The Party?

On the weekend of 12-14 Sept 1992, the A.R.R.L. held a VHF QSO Party (see QST, Aug. '92 for complete details). One of the modes for this party was 2-meter FM on recognized simplex frequencies.

Personally, I was really looking forward to my first contest/party and making my first contacts. I have heard experienced hams talk of the excitement of working contests, that it took dedication as well as practice to be good DXer. To me, this contest/party was perfect practice for a first timer. I would learn to keep a logbook, listen to other call signs, give as well as receive signal reports and have some fun in the process.

For the contest/party I had to find out what a grid square was and which one I lived in. I found the simplex frequencies and had them programmed into the memory of the radio. I learned how to read the UTC clock and the differences in our time and UTC. I put together my first logbook and learned how to record in it. I re-read the rules a few times making sure I knew everything needed...and I prayed for good weather during the weekend as well.

When the contest/party began, I was scared. I was ready, but so unsure at the game time, so I waited for an expert ham to come on the air first. After two hours of silence, I got the courage to key the microphone; gave my call and stated "MONITORING" and waited...and waited. I did that on all the contest/party frequencies on two-meters and still no reply.

I began to wonder if I was even on the air, maybe the radio was broken. I turned to the 22/82 repeater and it was busy, there was so much traffic, a lot of people were doubling. I discovered that I could get on the airwaves after all.

Following a dream, I returned to the contest/party frequencies. Hour after hour, checking in on the frequencies and met with dead silence. Desperate on the second day, I started keying up the mic and saying "CQ CQ VHF QSO PARTY THIS IS NILPN." I felt silly and maybe I wasn't doing it right either, but someone would

correct me if they were out there. Still, all I got was absolute silence for the remainder of the contest. I worked my first contest faithfully without one single contact.

I honestly thought being a ham was more than passing the required FCC exams. I thought that the hams would be more friendly and willing to share their knowledge. I have met a few that are an example of what a good ham really is but they are too rare.

I didn't get my ticket because my husband is a ham or to get on 2-meters. I got my ticket because I wanted to expand my knowledge of the people around the world. I wanted to share ideas, thoughts, interests, and make new friends. I wanted to renew old friendships of those I grew up with and were now hams. I wanted to be part of the extended hand of help and hope to those who are caught in the path of disaster, to let them know they are not alone.

Still, am I a ham for the wrong reasons? I'm new at this. I'm wondering what ever happened on 12-14 Sept 1992, and why no one was on the air for the VHF QSO Party? It was one of the easiest contests to work. I'm a no-code technician and could see that, or maybe that was the whole problem, a contest for no-coders.

Linda Miller, NILPN

*(First printed in the CORA Collector and Emitter November 1992)*

## Chit Chat

By Linda NILPN

The above article was the first article I wrote for this newsletter. I did not start writing Chit-Chat until a few years later, in 1994. The reason I decided to rerun this article, I'll try to explain.

CONTEST SEASON is about to begin in full force on the ham bands. At times, those new to contesting will make mistakes and they will need a gentle touch as you are instructing them in proper protocol. It is my hope that my experience at my attempt at contesting will help others. It is my hope that no one will have to experience what I did and with your help, no one will. Thank You!

## Friendship....

If nobody smiled and nobody cared  
And nobody helped us along.  
If every moment looked after itself and  
Good things always went to the strong;  
If nobody cared just a little about you  
And nobody cared about me,  
And we stood alone, in the battle of life,  
What a dreary old world this would be.

Life is sweet, just because of the friends  
we have made  
And the things which in common we  
share.

We want to live on, not because of  
ourselves,  
But because of the people who care.  
It is doing and giving for somebody else  
On which all of life's splendor depends.  
The joy of this world, when you've  
summed it all up,  
Is found in the making of friends.

*Author unknown*

*(Poem was submitted by Kay Holzman  
KB5VJR from the YL NET)*

## HH 2000

YL Hams in OK are alive and well! Our goal was to inform other YLs that we had a place in Ham Radio and did so by having a booth at HH 2000.

Kay and I truly enjoyed our adventure. We met some old friends and made many new ones. Husbands of YL Hams dropped by and picked up information to take home, their wives were doing other things or working that day.

Our little adventure has made news around the world. An Australian Amateur Radio Newsletter picked up our story and printed it in their weekly newsletter. I have also been contacted by an Amateur Radio organization in Canada asking for permission to print our story from HH and have given it gladly.

I wrote a story about our experiences at HH 2000 for the YL Packet/E-mail Net and it has been picked up by other clubs and organizations. In the process, HH is getting promoted as never before thanks to the YL NET.

Enjoy the Day\* Until next month...  
33 Linda NILPN



Coverly 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 Seventeen: A Master Of Time, and Space, and Beyond...*

Xander was intrigued by a recent report from the NEC Research Institute at Princeton dealing with energy transmission research. Dr. Lijun Wang discovered an unusual phenomenon while experimenting with a pulse of light directed through a transparent chamber containing a specially treated mixture of cesium gas. As the light pulse entered the gas, it reappeared sixty feet beyond with no light detected between the two points. In effect, the light pulse was in two places at the same time. Most unusual. Dr. Wang theorized the light accelerated through the treated cesium gas to a velocity perhaps 300 times greater than  $C$ , the speed of light, to travel in time as well as space. (!)

The most astute readers of this series are aware that Einstein's Theory of Relativity proposed that space, time and velocity are related in a way that makes it impossible to exceed the speed of light. Mathematic projections theorize an infinite amount of energy is needed to accelerate an object to the speed of light and, if true, acceleration beyond this is impossible. Other theories speculate that time will stop relative to an object near that velocity. Because of these factors, travel above the speed of light has been considered a physical impossibility.

But, this hasn't stopped speculation about time going backward at speeds above  $C$ . If true, it could explain a pulse of light in two places simultaneously. If as little as a microsecond of time was gained in the gas it might explain the pulse existing in two places, and perhaps two time frames, simultaneously. As you might suspect, Xander was intrigued. The ramifications for the laws of physics were profound, starting with the theory of causality which states an action must always precede the effect of that action. Several weeks later he found this article in the London Sunday Times claiming the phenomenon was definitely repeatable:

*"SCIENTISTS claim they have broken the ultimate speed barrier: the speed of light. In research carried out in the United States, particle physicists have shown that light pulses can be accelerated to up to 300 times their normal velocity of 186,000 miles per second. The implications, like the speed, are mind-boggling. On one interpretation it means that light will arrive at its destination almost before it has started its journey. In effect, it is leaping forward in time.*

*The research is causing controversy among physicists. What bothers them is that if light could travel forward in time it could carry information, and some of that information could be received before it was created. This would breach one of the basic principles in physics - causality, which says that a cause must come before an effect. It would also shatter Einstein's theory of relativity since it depends in part on the speed of light being unbreachable.*

*In Italy, another group of physicists has also succeeded in breaking the light speed barrier. In a newly published paper, physicists at the Italian National Research Council described how they propagated microwaves at 25% above normal light speed. The group speculates that it could be possible to transmit information faster than light."*

Xander's mind was now fully boggled. If both light and RF can travel above  $C$  in a medium with special properties, what happens to the concept of a wavelength on a resonant conductor? A negative velocity factor approaching 300 would definitely make a three-element quad on 160 Meters impractical for most apartment dwellers.

Then again, the commercial developers are far more interested in moving a signal beyond the speed of light than resonant dimensions. Surely the computer industry would appreciate processors and memory chips with improved internal speeds, and no one has ever had trouble selling faster

data transfer rates on a wired network. But, the Italian experiments involved microwaves, and that's RF. Perhaps as in modulated RF, Xander's native language.

The days and weeks passed quickly in the subterranean lab as Xander explored the techniques he'd read about. The cesium gas chamber phenomenon was a challenge at first, but then he learned a cross-field laser exciting the gas at right angles to the light path was much like biasing a triode grid into linear conduction, but in this case the biasing gave hyper-propagation. It wasn't long before he was bouncing light around the lab at remarkable velocities. The next step was to modulate the beam and determine if the modulation tolerated an accelerated propagation speed. Xander built a simple modulator and detector combo to find that AM and CW passed the test, but FM suffered significant phase distortion. Perhaps due to a Doppler effect from the speed change, but if AM worked, SSB should as well.

The next step was to apply the technique to radio. As expected, accelerating the rate of propagation resulted in a negative velocity factor of several hundred percent. This wouldn't be a mechanical limitation at the highest of frequencies, but anything in the HF range was out of the question. A simple 14 MHz dipole that's normally about 33' long grew to 10,543 feet, almost two miles in length. After pondering this momentarily, Xander had another of his infinitely profound Blinding Flashes of Inspiration...

The Stealth High Altitude Frequency Terminated (SHAFT) antenna he used so famously in the past was an infinite length conductor capable of resonance on almost any frequency, regardless of the velocity factor. Within a few days he fashioned a custom RF acceleration chamber complete

with ultra-linear cross-field biasing lasers that could be fitted to the SHAFT.

After the remote control cables were run and connected back to the shack, Xander wired the antenna to his HF rig and tuned a local AM broadcast station. Elevating the SHAFT height to a nominal 50 feet (anything above this tended to overload the receiver) he listened to *The Rush Limbaugh Show* as he adjusted the RF accelerator controls to check for distortion or attenuation on the signal. The S-Meter held solid at 40 over, but the program content was most unusual. At first, Limbaugh was discussing 'Compassionate Conservatism' and the brilliance of the Bush campaign, then, moments later, he was promoting his qualifications to work the announcers booth at ABC's *Monday Night Football*. A minute later, Limbaugh was expressing severe reservations about McCain, followed by a spirited discussion of the impeachment proceedings. It was as if Xander was listening back in time... A most unexpected result! And there was another interesting effect; by carefully adjusting the settings Xander could easily catch Limbaugh contradicting himself from week to week. Then he advanced the controls toward the highest setting and heard a newscast claiming the Reagan administration would balance the federal budget by 1985... Yeah, right.

Needless to say, Xander was stunned by the results of this simple test. His goal was to explore the feasibility of propagating an RF signal faster than the speed of light, little did he suspect this would lead him to build the world's first RF time machine! As a final test, he connected the antenna to a broadcast FM stereo receiver to find that no matter where he adjusted the accelerator settings, the phase distortion remained, and that he still hated Disco.

Certainly this experiment would qualify as interesting by anyone's standards, but Xander wondered if it had any practical application beyond the curiosity of RF time travel? Certainly there are many who wouldn't mind being able to listen to almost any radio show from the past, but with the AM-Only limitation and the high cost of the hardware, it wasn't a consumer item. Surely the high-tech research labs were about to harness this effect and build

ever-faster computer hardware, but were there any advantages for Ham Radio?

As luck would have it, he was tuning around 20 Meters later that evening to catch a Zulu Delta Eight on Ascension Island buried deep in a pileup. Normally, Xander would overwhelm the DX station with the strongest signal on the band and make the Q on the first call. He's done it thousands of times before, but decided to try a different approach. He flipped the accelerator control switch from 'Bypass' to 'Active' and advanced the controls slightly. As expected, he could tune back in time to the beginning of the pileup, then bumped the knob just a tad more until he heard a quiet frequency. He tossed out his call, and the ZD8 came right back to him. Beating a pileup is often in the timing, and Xander was now in control!

The following morning he worked out a calibration method for the accelerator box by going through his logs and listening to his QSO's. After calculating the time shift response curves, designing a simple A/D interface that could put the device under computer control was a trivial task. An hour or two of programming later, he had a Windows application complete with a time slider that allowed him to accurately tune any moment +/-15 seconds. This was a great improvement over the manual controls and added repeatability to the settings. He reached for the *QST* sitting near the console, then started reading through the DX and band opening reports from the previous months. He noticed a rare trans-equatorial event on Six Meters and for a moment wished he had caught the band opening, then realized this was 'No Longer A Problem'. A quick click of the mouse later and he was there! This was definitely the best shack accessory since DSP filters became practical...

Then, in yet another Blinding Flash Of Inspiration, Xander realized he was now capable of achieving a goal reserved for only the most adept and long-lived Hams. He moused the RF accelerator back to Field Day, 1999 and started making Q's by the thousands.

Now, before you accuse Xander of trying to rig a contest by giving himself infinite operating time, understand his goal was far greater than the highest score in the

ID category...Xander was going for the coveted WAS award, as in 'Worked All Stations'. Not every Ham operates during Field Day, but this would serve as a test of how close he could get to this elusive goal.

As the Q's piled up, one problem quickly became apparent: - Dupes -. It was simply too easy to work a few hundred stations, QSY, jump back in time and work some of them again, perhaps before the first Q. It was a unique logging situation, as the first QSO became the dupe of the second QSO that occurred before the first. As you can imagine, this was very, very confusing and seemed to oppose the laws of causality 'with extreme prejudice'.

A few moments later, Xander heard an ominous sound coming from the back wall of the subterranean shack. The entire wall was fitted with endless rows of custom built filing cabinets and his meticulously maintained QSL card collection. Some of the sheet metal drawer fronts were noticeably bowed outward, as if someone had tried to stuff too many cards in the drawers. Then, one of the drawer fronts blew off and scattered hundreds of QSL cards across the floor. Fortunately, Xander has two full-time curators on loan from the Smithsonian Museum to straighten out the files over the next few months. With a QSL collection approaching a million cards, professional assistance is more than welcome, and as far as we know, Xander is the only Ham to ever have a QSL card collection deeded to the Smithsonian by acclamation in both Houses of Congress.

This was one of the rare moments when Xander began to wonder if he'd gotten in over his head. Although he was no stranger to the nuances of traveling time and space in theory, the law of causality had become a very real consideration in his experiments.

He decided to hang up the mic and relax for the rest of the day by listening to the *Burns & Allen* and *Jack Benny* shows... Gracie and Rochester... What a hoot!

## The QSO is out there.

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Nelson Derks - AC5UP / ex-KC5QVV  
" Illegitimus Non Carborundum  
Ipso Facto "

# Altus Area Amateur Radio Association

## A Message from the President

Hi all,

I've been on vacation for two weeks and leave on business for another week tomorrow.

While on the road (my wife and I drove to the Pacific Coast and back) I made extensive use of APRS. We took the "road less traveled" (U.S. Hwy 50) and I was able to make several observations. While it's easy to stay in range of a voice repeater, even in the wide open west, APRS is another story. From Altus to Arizona we were rarely out of range of an APRS digi and our friends at home were able to track our progress with ease. Turning north along the eastern edge of Arizona left us with no vhf modes at all. Chalk one up for HF, we still had it and it worked fine. Once into Utah, we were back on VHF voice and we were able to receive APRS on an intermittent basis. Unfortunately, we were not always able to reach the digi from our mobile station. When we reached central Utah the excellent APRS digi's in western Utah and the Salt Lake city area were easily reached. Crossing into Nevada was another story. By the time we reached Ely on Nevada's eastern side, APRS was a non-player. Even large towns like Fallon, Carson City and Reno did not offer relief. Once over the eastern slopes of the Sierra's we were again greeted with APRS hits galore. Non-stop tracking throughout the Sacramento Valley. We only lost contact when we drove into a rather unpopulated area on the Pacific Coast. The high coastal mountains blocked coverage from the valley digipeaters.

Our trip back was along the same route until we reached central Utah. We traveled into Colorado along Interstate 50/70 and once again lost contact with all APRS digipeaters. None so far in western Colorado, even in large towns like Grand Junction. There was no APRS in the mountains along Rt 50 either. Pueblo Colorado didn't even have one. Finally, about 50 miles south of Pueblo, we started

receiving intermittent activity and a few miles further on we were back in full contact. From there on in, along Interstate 25 south to Raton, NM and south east along Hwy 87 to Amarillo, TX we never lost contact.

My opinion... Although we have traveled in the western part of the U.S. for many years, it felt kind of good to know that someone knew where we were. There's not much out there if trouble strikes and I'm looking to the day when the APRS network fills in the "black holes" in the many of the western states.

Along another line, our mobile HF worked great. That is until a very large (read that huge) solar flare wiped out HF for a couple of days. On the other hand, VHF became very good at about the same time with some unusual long distance VHF contacts taking place. On the evening of July 15, 20 meter opened back up with some interesting short skip and I made several contacts, both near and far.

Have fun this summer and don't forget mobile or portable ham radio if you're taking a trip. It's lots of fun and shortens the drive considerably.

Respectfully Submitted,

Dale Town, N5VX  
President, AAARA

## Thoughts In the Air by Ron, KD5CYW

Some items that happened in July around the AAARA.

Well the tower party went well, we took down Robert, W5RRB's tower (15 July) with rather sorts of ease, within about 1 hour total. There was plenty of sweat being given with about 100 degrees, in the shade yet.

Helping out were Robert, W5RRB, Robert's son Kenny, and two friends of Robert; Mike, W5VXU; Ann, KA5YWY; Jerry, K5QM; Fred, KC5SRJ; Bob, KC5CNC; James, AB5FS; Dave, KC5SII; Owen, N5VM; Ron, KD5CYW and his kids Jonathan and Joy (trying real hard to stay out of the way). We got the antenna parts down, tower sections apart and down loaded into the back of a few pickup trucks

and hauled off to the new site. I would have hate to see him lose that tower to the landlord if we did not get it down before he turned in the keys.

Robert said to tell you that helped out...  
"Thanks a Bunch, Ham folks are the best folks, thanks and many thanks to you all".

Since it was hot after I got home... I got my APRS tracker program installed and uploaded the info, so now I look like a big airplane in SW OK (I wish I could find a Train Engine) going down the road, and for the MSG trailer I have the clubs website address for it....

<http://www.aprs.net/>, goto USA map and click in to the area where you want to see, there are instructions too. I was tracking Dale as he was on his vacation, had him in some parts, and others he went "Off Screen", maybe the USS Enterprise beamed him up when he went through Nevada, but then after a bit, there he was again. APRS has become something of the difference in Ham radio, if someone steals your car, you and the fellows in blue can go to where it is at and get it back, but the other folks will have another car to ride back in, well the back seat that is.

Speaking of club site I up loaded the July Minutes, for some reason it looks normal, I used it as a copy from the Email msg that went out Thursday night with the minutes, hummmm, I guess I'll have to redo some things to get the minutes looking good.... I guess this Webstuff is funny to do. Yes I'm trying to do something here about the Club Roster, give me time and I'll get the bloomin thing figured out, maybe with a 9 iron, but I'll get it.

Got a site for you folks for the Hamarama in Texhoma... OCT 28-29  
<http://www.wf.net/~ka5crl/hamarama.htm>  
Also the Enid hamfest is the same day as ours, so lots of choices to be had.

Terry KB5LLI had come on over for the ARES meeting to give us the word that the new repeater (Freq 146.715 (-), location Granite, OK) should be up soon. This will link to the the 146.045 and 147.255 100% of the time, think about the foot print this will leave in the WX watching area of SW OK to Cent OK upto OKC, and down to Wichita Falls, TX and as far you can get in to it. Think about the fun when not in a WX Net you can have, a link to the land of Sooners. If you are going to use it, please

support it, that means you don't have to be Mr. & Mrs. Moneytree, just some amount will help out. Well now I can just feel close to home when I head to OKC or Wic Falls with all the friendly voices from here and there.

With August about to be a favorite month, that is kids go back to school, life returns to somewhat a normal daily tasks of life, and yes we will be doing all sorts of projects for the home, job, and our hobbies. You know one thing is, I let my kids help me with my hobbies, Model Railroading, and even Ham Radio stuff (They enjoyed Field Day), you never know how much it means to them to help you out, I know I was a kid once before and thanks to my Dad for getting me started with the trains. Thanks to the folks in AAARA for the Ham radio side.

Well I hope you Enjoyed Ham Holiday, it will be over when you read this. It takes lots of time, effort, work, calling, contacting, arranging, planning, to make any thing like this a success. Take time to thank the folks that make this possible, they worked hard so you could enjoy being with folks you hear on the air as a face to face QSO with them. I know that, and others too, for the Altus Hamfest is just one of those headache pill poppers too.

Remember to be an Elmer to some one, they may need your advice.

See ya till the next time, 73's

Ron KD5CYW

#### AAARA Business Meeting 13 July 2000 held at SWTC.

Called to Order at 5:30pm by Mike, W5VXU.

Old Business:

Treasurer Report-

New Business:

Breakfast Meeting 22 July - Friendship Inn, 9am

Reviewed consent agenda for general meeting.

Hamfest items

Repeater in Granite-

Meeting Adjourned at 5:55pm

#### Altus Area Amateur Radio Association (AAARA) July Minutes

Mail: AAARA, PO Box 8863, Altus, OK 73522-8863.

General Meeting held at SWTC, 711 W. Tamarack Rd., Altus, OK.

The Altus Area Amateur Radio Association was called to order by the Vice President, Mike, W5VXU at 7:05 PM Thursday July 13, 2000.

Introductions -

Intro.'s - Done, 17 attending. 1 New member, Lonnie N5QKG, Sayer, OK and 1 Guest, Bron, Altus.

Last Months Minutes - Read, motioned, all voted and approved.

Treasurers Report - Read, motioned, all voted and approved.

Old Business -

ARES Meeting: 27 July, 7pm at EOC, in Altus, OK

Breakfast Meeting 22 July - Friendship Inn, 9am.

Club Logo Scan on hold, working minor touch ups.

Business Cards - AAARA cards, will be off to the printers, when item #3 is done.

HAMFEST- Mike W5VXU, 4 Nov 2000, at the Altus Community Center on Falcon Rd. Janice KD5BNO, will coordinate the Non-Ham tables, crafts, toys, and things of that area, (things for our YL's too). Lots of discussion about Hamfest went on. Site location is signed and contracted for Nov 4, 2000. ARRL sanctioned event.

Field Day 2000, James, AB5FS gave a report on what went on with points and how we did.

Library Window - Ron, KD5CYW reported that the Library had many visitors stop look and say it was a nice window.

Books from ARRL: James, AB5FS, if you would like to order a book from the club, see James, he will take your order.

Need 4 folks for remaining month for refreshments, Ron, KD5CYW - July; Ann, KA5YWY - August; Janice, KD5BNO - September; OCT & NOV are open still.

Vests - Mike, W5VXU and Ann, KA5YWY had vests from size S to XXL, these vests can have AAARA, NAME, CALL SIGN on them, Embroidered (where you want them is up to you), and it is \$20 per vest.

Ham Holiday / OK State Convention - July 28 (5pm-9pm) & 29 (8am-4pm), OKC at the State Fair Grounds.

Digipeater up on Walsh Mtn, 144.390 for APRS, and Lawton has a Digi up too.

New Business - as follows

New repeater on Walsh Mountain, Freq 146.715 (-) No PL, will be linked to 146.045, and 147.255, and is sponsored by SWIRA, and should be up by 22 July or so.. This will be Linked up 100% of the time, will get to OKC and to Wichita Fall, TX. This is a Primary Link to the WX NET that is done on the .045, that is why they put it here, when the Altus EOC is shut down then they still have a link for the folks up there to know what's coming their way.

Also to have fun when not in a Net, Terry KB5LLI, would like support of this if using it for the FUN side as a regular. Get with Ron KD5CYW for info. (note: Terry KB5LLI was at the ARES meeting 29 June to tell us of the site going up in detail.)

Field Day Pins- ordered.

AAARA Web Site - Ron, KD5CYW is Webmaster, address is [www.qsl.net/aaara](http://www.qsl.net/aaara).

AAARA Club Picnic - Set a date in OCT, need a committee of 3 folks to Organize and Run it.

New Business... opened from the floor Motion made for - Club pay for registration of the APRS PLUS program for the Ham computer at EOC for the APRS tracking of the Storm Spotters. 1st

KD5DPK, 2nd W5RRB, All in favor, Passed 100% vote.

Tower Take Down Party this Saturday 15 July, Robert, W5RRB, at his old place in Blair.

MARS Repeater- should be up this week, as per Ed, KD5DPK.

New Member, Lonnie W5QKG, Sayer, OK, Welcome aboard. Membership is now at 49 members.

Ongoing Projects - discussed.

APRS- 144.390 simplex, have site up on Walsh Mountain in Granite, OK.

AAARA Comm Van - Help is still needed, get with Dale if you would like to help out.

Packet Node - Items are on order, waiting to set up and put up.

UHF Repeater - No status.

The AAARA Tuesday Night Roundtable Net will be at 7pm, 146.790 (-), Ron KD5CYW, will be the Net Control. Anything for announcements can be emailed to Ron at [kd5cyw@arrl.net](mailto:kd5cyw@arrl.net), or call him at (580) 482-8446.

The meeting was adjourned 7:55 PM with everyone looking forward to the next meeting 10 August 2000, 7pm at SWTC.

Typed by Ron, KD5CYW, SEC/ED AAARA Email: [kd5cyw@arrl.net](mailto:kd5cyw@arrl.net)

73's,

Ron Roman, KD5CYW  
Altus, Oklahoma  
Sec/Ed/Webmaster of Altus Area  
Amateur Radio Association (AAARA)  
<http://www.qsl.net/aaara>

## Amateur Radio Newsline

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### Emergency Power: New Rochelle, NY may ban some emergency power generators

Ham radio operators in and around the city of New Rochelle New York may have over reacted after reading an Internet posting that the city council was considering a ban on all emergency power generators. This, because some of the city's residents consider them to be annoying.

Yes, there are proposed controls but it does not cover all generators. And contrary to the posting, its sponsor says that it should not have any impact on ham radio emergency communications. The Rain Report's Hap Holly, KC9RP, interviewed the city official behind the planned ordinance and gives us the whole story:

I received a mass mailing on the internet several weeks ago that proclaimed the sky was about to fall on hams in New Rochelle, New York. Do to some legislation that would eliminate emergency generators.

Ah, but not so says New Rochelle Counsel Member Mary Ann Sussman: "The use and the noise during an emergency was not my concern. But, we are talking about the day to day 1) appearance, and 2) the volume of sound, which is a factor of the type of generator, the type of fuel, and the size. Which I think is something that deserves to be examined.

So that, people can have generators which is of sufficient size to supply an emergency need. But at the same time is no larger than it needs to be. No noisier than it needs to be." Mary Ann Sussman

Here is another case where a little more

research and a little less rhetoric would have avoided a lot of unnecessary anguish.

You can hear my RAIN Report interview with Mary Ann Sussman this week on the internet at:

[www.rainreport.com](http://www.rainreport.com)  
and via telephone dial up at (847) 827-RAIN.

For Amateur Radio Newslane, I'm Hap Holly, KC9RP in Chicago.

About 100 hams were getting ready to attend a city council meeting to protest the Sussman measure when debate was postponed until September.  
(Newslane, RAIN)

### Enforcement: Fine reduced

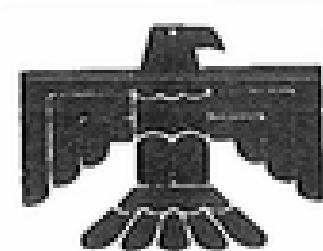
The FCC has substantially reduced a \$17,000 fine that it proposed to levy on a former Texas amateur. Rick Lindquist, N1RL of the ARRL Audio News has more on this commission action.

The FCC has substantially reduced the \$17,000 fine that it proposed to levy on a former Houston, Texas Amateur. On July 12, the Commission issued a Forfeiture Order telling Leonard D. Martin, formerly KC5WHN, that he should pay \$4000 for repeated unlicensed operation and for failing to allow the FCC to inspect his radio equipment.

Martin first ran afoul of the FCC two years ago. In May 1998 the Commission received a written complaint alleging that a station identifying as KC5WHN was operating on frequencies not authorized by Martin's Technician class license. FCC Special Counsel for Amateur Radio Enforcement Riley Hollingsworth sent Martin a Warning Notice in November 1998. In a subsequent telephone conversation with Hollingsworth, the FCC says, Martin "generally denied the unauthorized operation."

In February and March of last year, an FCC agent using mobile automatic direction finding equipment tracked 27 MHz transmissions to an antenna at Martin's residence.

Both times, Martin reportedly refused an FCC inspection.



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## Ada Amateur Radio Club

July 1, 2000 meeting The meeting was called to order by the Club President Steve, KD5DKZ in the Salvation Army building. The 9 members present were welcomed.

Marie, KD5EXM, gave treasurer's report. One new member has been added, Clifford Cooley (from OKC), N5CSJ. Field Day expenses were totaled, and donations for food added.

Thank you letters were sent by KD5EXM to the following businesses for contributions made to Field Day: City of Ada, Salvation Army, Criswell Funeral Home, Coca-Cola Bottling of Ada, Pepsi-Cola Company of Ada, Heartland Wireless Cable, and Ada News. A donation is awaited from Dicus, to help cover the cost of the food.

Scott, KD5AJL has been working on the results of QSOs from Field Day and has a final figure tabulated. The farthest QSO was to Hawaii, made by Mason, WT5X.

Everyone seemed to enjoy the food on Field Day, even though the cooks had to go to "Plan B" for something to cook ON. The hamburgers, hotdogs, brisket, breakfast on Sunday, and all the 'trimmings' were appreciated. Ann Jewell and Jane, KD5HZI, are given a vote of thanks for cleaning up on Sunday morning. John, KC5EZC; Charles, KC5TGA; Jane, KD5HZI; and Steve, KD5DKZ are all thanked for doing the cooking.

Scott suggested that we set the date for the picnic as the weekend that is reserved for emergency communication, RACES.

Field Day was the first time the club had actually used the Salvation Army canteen. Since the club plans to use it again occasionally, discussion was held as to some changes that might make it more useable in the future.

Thanks are owed to Sam, our historian. The club scrapbook was already up-to-date with pictures from Field Day. Many laughs, memories, good fun, and fellowship were remembered as everyone enjoyed looking at the new pictures. Thank you Sam!

A short discussion was held regarding the possible change of emergency number "911" on the repeater. It was suggested that we table the discussion until Roy is at the meeting.

The Ada Hamfest site has been changed. The new location we selected will not be available, so we will meet at the same place as last year. The 2001 Hamfest will be held February 17, 2001, at the Agri-Plex, in the same building as the 2000 Hamfest. We hope everyone makes note of the change.

A discussion was held regarding a possible fundraiser for the club for next year. It was suggested that we have a Fireworks stand next year. Several members talked during this time, giving pros and cons of having a stand. Topics discussed included 'time involved', 'profit expected', 'location', 'security', and 'volunteers'. No vote was taken.

The meeting ended with a VE session.

Minutes submitted by Marie Wilson, KD5EXM; ARC Treasurer.

### More Amateur Radio Newslines...

The FCC's Houston Office issued Martin an Official Notice of Violation last April. In his reply, Martin said that he understood that operating on the frequencies in question was a violation and that the FCC has full inspection authority. He also promised to comply with FCC rules. In July, Martin turned in his Amateur Radio license for cancellation.

Last October, the FCC twice tracked 27 MHz transmissions to Martin's residence. Once again, Martin reportedly refused to let FCC personnel inspect his transmitting gear.

In March, the FCC's Houston Office sent a Notice of Apparent Liability for Forfeiture to Martin for "repeatedly and willfully" operating without an FCC license and refusing to allow an FCC inspection. Martin did not deny the violations but said he couldn't pay the \$17,000 fine and submitted copies of his tax returns for 1996, 1997 and 1998 as proof. He also told the FCC that he would dismantle and sell all of his radio transmitting gear and antenna and forfeit proceeds to the FCC or to charity and would permit FCC personnel to inspect his residence to insure all equipment has been removed.

The FCC said that while it could not rely on Martin's "promises of remedial action," it could reduce the size of the proposed forfeiture given Martin's "limited ability to pay the full amount."

I'm Rick Lindquist, N1RL.

The FCC says that the \$4000 fine is justified in light of the serious nature of the willful and repeated violations. It has given Martin 30 days to pay.  
(ARRL)

### FCC: CORES and FRN are here

The FCC has wasted no time and has begun its new Commission Registration System called CORES. The CORES system is currently voluntary could become mandatory for all Commission license holders in the not to distant future. This includes radio amateurs.

For those who missed last weeks report, CORES assigns you a unique 10 digit FCC Registration Number or FRN. The FRN will be used by all Commission systems that handle financial, authorization of service and enforcement activities.

(FCC, CGC Communicator)

### Radio Law: PA Judge overturns cell phone ban

Two actions in the war between users of cellular telephones and towns that are trying to regulate them that could eventually impact on ham radio mobile operations.

First to Pennsylvania where a Doylestown judge has tossed out a local ordinance prohibiting drivers from using handheld cell phones.

The nullification of the ordinance came when Judge David Heckler dismissed a charge against a man ticketed for using his cell phone while driving through Hilltown Township near Philadelphia. In quashing the ticket, Judge Heckler said the ordinance was pre-empted by the state motor vehicle code dealing with careless driving and by federal law.

The ban was enacted last year after a two-year-old child was killed when a driver who was using a cell phone allegedly ran a stop sign. Hilltown Township is studying the judge's ruling and not decided if it will file an appeal.

(E mail)





## Edmond Amateur Radio Society

### Birthdays:

The following EARS club members have had June birthdays:

07-03	Sue Osborne	KD5HKZ
07-03	Joyce Wolf	KC5NBI
07-05	Alan Sewell	N5NA
07-06	Paul Richardson	KB5KPL
07-08	Glenn Wolf	AB5RQ
07-09	Earnest Wolf	K5YKD
07-12	Mike Delaney	KB5HXT
07-14	Jeff Wells	KD5CRP
07-17	Jason Snyder	N5USO
07-17	Justin Soliday	KM5IA
07-18	Clarence Dollmeyer	KB5RR
07-18	Roy Kring	N3IRY
07-19	Charles Newcomb	KD5DBF
07-23	Bill Nolan	KD5IOV
07-28	Shelby Mize	KA5YPE
07-28	Sam Sitton	W5CU
07-28	Dan Davis	KB5HTX
07-28	Paul Kelly	KD5KCZ
07-29	William Palmer	AA5JI
07-29	Robert Thomason	N5IJX
07-31	Terry Davis	KD5HXZ

The following EARS club members have August birthdays:

08-02	Jim Rynearson	KC5MJS
08-04	Rolly Jones	KH7QO\
08-06	Mark Tyler	W3GFJ
08-08	Ralph Hawkins	KA5CNT
08-11	Eric Coxsey	KC5TCZ
08-11	Chauncey Baker	KD5JBK
08-15	Nicholas Jewell	KD5IPA
08-16	Sue Wilhite	KC5SMJ
08-20	Ken Snyder	N5TWC
08-20	Lynnice Hamlin	KB5FOH
08-21	Phil Wolfenbarger	N5HIP
08-24	Ken Adamek	KD5IPF
08-28	Keith Morrison	KC5TPC
08-29	Wayne Edwards	KC5CRT

### Member Information:

Two of our members have recently received new call signs:

- Justin Soliday (formerly KM5IA) now W5VR
- Steven Sapp (formerly KB5MLZ) now AC5VS

### New Members:

Edwin Stinnett, W5FW  
Sue Wilhite, KC5SMJ  
Steven Christy, N5YNI  
Rolly Jones, KH7QO  
Carol Thompson, KD5KZT

{Editor's Note: Congratulation to Carol and proud mom Sharon, KM5GV on this new licensee and club member!}

Club announcements are being forwarded to all members with email addresses; however, many of them are bouncing back undelivered, particularly those with juno accounts. If you have changed email addresses within the last 6 months, please drop Sharon, KM5GV an email notifying her of your current email address. Send updates to km5gv@arrl.net. And, to notify the Club of a change in your Call, Address, Phone number or E-mail address, please contact Sharon by E-mail at km5gv@arrl.net. Thank you.

de Sharon Thompson KM5GV

### Board Meeting:

Edmond Amateur Radio Society  
Board Meeting July 10th. 2000

The meeting was called to order by Curtis Foote, KC5GEP at 7:30 P.M. at the Edmond Downtown Community Center. In attendance were: Robert Coxsey KM5GZ, Dee Mize WD5FHR, Gary Carson KD5CPL, Curtis Foote KC5GEP, David Wolf KC5KJE, Pat Martin KD5CPQ, Lee Vaughn KA5WIS, Earnest Wolf K5YKD, Ron McCubbin KC5QCV, Sharon Thompson KM5GV, Alan Sewell N5NA, Ed Price KA8NBG, Robyn Price KD5ISC, Ken Stepp N5DBM, Clara Granger KG5UG, Nick Jewell KD5IPA, & Robyn & Ed's children, Andrea Hicks, Allison Hicks, & Michael Price.

### Officers Reports

**Secretary Report:** Bob KM5GZ asked if the Minutes from last month had been read. They were voted on & approved. Bob said that he would make less copies to bring to the meeting because everyone on the board had been sent the Minutes by e-mail. Everyone agreed.

**Treasurer's Report:** The Treasurer's Report was voted on & approved. Gary passed out the Field Day pins to those who were there.

**Vice President Report:** David, KC5KJE said the Dinner Meeting would be at one of the usual places.

**Emergency Coordinator Report:** Ken, N5DBM advised the EOC could get by with one monitor instead of the four previously proposed. A motion was made to buy one color monitor. It was voted on & approved.

**Board Members Reports:** Pat, KD5CPQ suggested that the Club should try Mitch Park for Field Day next year. Clara, KG5UG had Health and Welfare information for later. Lee, KA5WIS said that the Parade & Fireworks went very well. The Fireworks will stay at the same place for next year. Pat said that the Downtown OKC Fireworks went well also. Earnie, K5YKD had no new material.

### Committee Reports

**Activity Report:** **Audit Report:** Robyn, KD5ISC said that she had received the Inventory and it was approved.

**H.F. Report:** Ed, KA8NBG said that he had the contact numbers that were made at Field Day at home & would bring them next Month. A Motion was made to make the special QSL cards for the W5W special event station for the Vietnam wall. It was voted on & approved.

**Club Station Report:** Dee, WD5FHR said that he was ready to bring the hammer drill & install the wall anchors on the roof. Pat asked if the Club needed a color monitor for the computer. Lee said he had one he would bring.

**CORA Report:** Ron, KC5QCV said that the C & E was late this Month. There was no EARS article. {Editor's note: I was on vacation in Colorado and missed the deadline entirely.} The Ham Holiday sign up sheet for the registration table was almost full. There are 4 or 5 Vendors promised to be there. Hollingsworth is not coming. It will be in the Made in Oklahoma building. The tables this year will be assigned first come, first served. Non hams can register for prizes but can't come in without paying.

*Membership Report:* Sharon, KM5GV said that the Club is still growing. It has 165 members at this time.

*Calling Committee Report:* Clara, KG5UG said there was nothing at this time.

*Health & Welfare Report:* Clara said that Bill Thompson has been in the Hospital after having a heart attack. Clara's daughter had a pill go into one of her lungs. The Doctors were going to look into the lung to see if everything was okay but her blood was too thin.

*Net Control Report:* Bob KM5GZ, said that everything was going okay.

#### Old Business

Lee said the repeater was doing okay. Dee said that the City had changed the signs in the Community Center to read Ham Operators, EARS. David asked if the Club was going to have a State Hood Day special event station. September 1st. is the deadline for getting it in QST magazine. It was tabled until next meeting. Curtis asked about the 501C. Lee is still reading about it.

#### New Business

Lee said that the Club had a small tailgate swap at one of the last meetings & were we going to again. Curtis said that he would ask John, WB5SYT to check with the City to see if we could use the parking lot. Ron said that we need something to show new members at our meetings. Curtis said that he would bring homemade ice cream.

Sharon talked about the up coming classes. Only the Tech theory will be taught. The class will 8 weeks. There will be the same rooms available. The PSA for the radio stations is prepared. David Hartman KC5UNO, will write a story for the Oklahoma. The classes start August 20th. & will be from 2:00 to 4:00. The 9th. Week will be the VE test session. No code will be taught. There will be 2 hours of theory classes.

There may be a code & General class later.

Lee said that the Club has a HT for someone's use.

David got an e-mail about a special fun contest. It is the Maryland/Dc QSO party 2000.

Clara was going to check to see if we could get the training manuals for the class instructors. She asked if we should order them through the Club. The Extra class books are not available from ARRL yet.

Sharon will call Terry about copying flyers for the classes.

Lee talked about the dune buggy that was used for EARS in the parade. It was agreed that it was a huge success.

Curtis asked if the Club might want to help the R.V. Ham group that is coming to the Fair Grounds next year in April. To let them use the repeater & to welcome them.

Clara asked Curtis if he would call Sherry, KD5CPJ about the calling Committee.

The meeting was adjourned at 8:47 P.M.

de Robert Coxsey KM5GZ

#### **Business Club Meeting July 16, 2000**

*Call To Order:* The meeting was called to order by President, Curtis Foote, KC5GEP after the tailgate swapmeet at 2:32 PM. There were 31 persons present, including several guests. Treasurer: Gary, KD5CPL reported that Field Day pins were in and he had 5 extra pins for sale. He reported the June 2000 status of the General and Scholarship funds.

*President's Comments:* Licensing classes will begin on 8/20/00. The Club will most likely participate in the UCO Homecoming Parade in the Fall. A special event station is proposed for Statehood Day in November, possibly in Guthrie at the site of the original State capitol.

Curtis encouraged people to seek to upgrade their license under the new requirements.

The Christmas party will be held on 12/16/00.

*Health and Welfare:* Clara advised that Bob, KM5GZ's father Mitchell is recuperating from a broken hip and is doing well. Former member, Bill Thompson, N5KLG is very ill after a heart attack and is in Mercy Health Center. Clara's daughter, Debbie Christensen is recovering from a recent hospital stay and is doing as well as can be expected. She

asked for the prayers of all the members for these people.

*Comments:* Jim, N5OHL reminded everyone that he is an official ARRL Awards Manager and can process anyone's records for ARRL awards. He presented the ARRL Friendship Award to John, WB5SYT. Ron, KC5QCV circulated a sign-up sheet for the Registration Desk for Ham Holiday. Sharon, KM5GV made Licensing Class flyers available to anyone who could post them around town.

Dee WD5FHR indicated that there were only three days left for pre-registration for Ham Holiday.

Introductions were made all around and the meeting was adjourned at 2:53 PM.

Respectfully submitted,

Sharon Thompson, KM5GV

#### **Future Activities:**

The following will look familiar from last (and every) month. Fall is coming (school?) so here are some activities to enjoy as it start to cool down.

The August Siren Test is the 5th of August at high noon. The September Siren test is the 2<sup>nd</sup> of September at noon. Have you done your part to make sure they are ready to go if needed? Your chance will come up, so support Edith, KA5YPX when she asks for volunteers. Give Edith a call at 348-2961 to get a spot to listen from.

Breakfast still happens each Saturday at Perkins on Broadway around 8:15 on each Saturday morning. The food is good, and the company is even better. There have been a few new faces at the breakfast lately. Have you been one of them?

Don't forget about the Monday Night Information Net! When is the next hamfest? When is the next test session? What is the EARS club doing lately? What's the story on this year's classes? Find the answers to these questions and many more every Monday night at 8:00 PM on the 147.135 repeater. It is fun to get checkins from Canton to Shawnee, Stillwater to Purcell. And... new control operators are always needed. Bob Coxsey is the net manager. Give him a ring if you'd like to give it a whirl.



The next Board Meeting will be at the Edmond Community Center at 7:30 PM on August 12th. We're in a different room from the Club station so there is plenty of room. Also, if you'd like serve on the board, this will let you see the details of how the board functions. The nominations committee doesn't meet for several more months.

The August dinner meeting will be held at the Luby's Cafeteria, Britton and May Ave., OKC, 6:30 p.m. Sat., August 19. We will go through the line as a group about 6:30 and they have a portion of the dining room reserved for us. This will be closer for our southern members, and everyone can chat and chew!

The EARS Technician Licensing Class will start on the 20<sup>th</sup> of August and run for 8 weeks followed by a test session on the following Sunday, the 22<sup>nd</sup> of October. This is one of the big club activities that we have each year. Rick Tasetano N5KLM has already got the publicity announcements running on KTOK AM, WKY AM, and KKNB FM. Have you heard the announcements yet? Do you know someone who would enjoy the hobby of Amateur Radio? Would you like to help with the classes this year? Clara Grainger KG5UG is the central contact for the classes at (405) 341-2968.

We will be helping out at the University of Central Oklahoma homecoming parade this fall. Be listening to the net for details as they become available.

We will also hold a Special Events station in conjunction with Oklahoma Statehood day this fall. Again, keep the channel open for further details as they develop.

The club got an E-mail on the Maryland/DC QSO Party to be held on the

12<sup>th</sup> and 13<sup>th</sup> of August. Is it time to blow out the cobwebs from the final in your HF rig? Send me an E-mail and I'll forward this one to you with all the details. I'm at [cfoote@theshop.net](mailto:cfoote@theshop.net).

#### Health And Welfare:

Hi everyone-

Robert Coxsey, KM5GZ, his father, Mitchell, recently fell and broke his hip. He had to have an emergency hip replacement. He is doing okay and we hope he attains complete recovery.

A longtime friend a former member of the EARS club Bill Thompson, N5KLG, has been at Mercy Health Center since the last of May. He has a hear condition that has plagued him for a couple of months. He was dismissed from Mercy and is now in the Integrated Specialty Hospital of Edmond.

Glenn Reed, K7CAP, also a former EARS member is still undergoing radiation treatments for his colon problem.

We want the Coxsey, Thompson, and Reed families to know we are concerned about their welfare and be assured you are in our thoughts and prayers. I will be chatting to you again next month.

73 de Clara Grainger

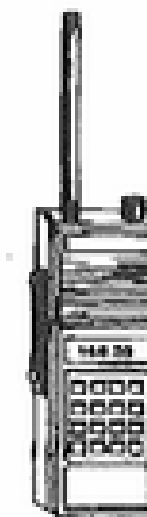
#### President's Editorial:

I'd just like to take this opportunity to thank a large number of club members for the work that they have done this year so far. We've had people out for (and behind the scenes at) Y2K, Special Event stations, parades, contests, storm spotting, siren tests, meals, tailgate swapfests, Monday Night Information Nets, practice Emergency nets, Vietnam Memorial Wall Commemoration, Field Day, Ham Holiday, and more. Ya'll have turned out in large bunches to support the community and the club at these events. Some of our biggest events are coming in the next few months, and therefore, we have some of our biggest

opportunities. I hope everyone will come out and enjoy these events. "How long has it been since you've been to an EARS Dinner Meeting? Well, that's too long!" Come on out this month and eye-ball QSO with some of the rest of the club. There are almost 170 members of the club right now. The classes are about to start, as are preparations for the Special Event station for Statehood Day with a surprise location. Quite a few people consistently show up for Thursday evenings at the club station. This is your club. Thanks for being there!

That's it for this month. Please send information for next month's C&E to Curtis Foote at [cfoote@theshop.net](mailto:cfoote@theshop.net) so I won't have to take up so much space.

#### More Amateur Radio Newsline...



#### Radio Law: Marlboro, NJ bans mobile cellular phones

Meanwhile, the town of Marlboro, New Jersey has enacted a new law that imposes a \$250 fine on anyone caught driving while operating a hand held cellular telephone.

The Township Council voted unanimously for the ban after an accident involving a distracted driver using a cellular took the life of a child.

The vote in favor of the ban came after an hour long and often heated debate. Opponents call it a well-meaning law but one that will cost Marlboro a lot of money.

This is because they plan to challenge it in federal court. Until they do, hams driving through Marlboro, New Jersey will have to be on guard lest some well meaning police officer mistakes a 2 meter HT for a cellular phone.

*(Published news reports)*

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## OKlahoma DX Association

### From Da'Prez

By LARRY SHIMA, W0PAN

THE ANNUAL OKDXA BANQUET  
(REALLY A PICNIC THIS YEAR)  
SUNDAY SEPTEMBER 24<sup>TH</sup> 1:00 PM  
TIL 5:00 PM STARS AND STRIPES  
PARK LAKE HEFNER, NW  
OKLAHOMA CITY RAIN OR SHINE !!!

\* WE WILL EAT AROUND 3PM \*

The menu will include, chicken, hot dogs and hamburgers cooked on a BBQ grill at the park, potato salad, cole slaw, baked beans, rolls, and desert. We will have a variety of soft drinks for beverages. No formal program is planned, just a good old fashioned gab session about whatever. Leave the TUX at home and join us for an easygoing get-together of serious and not-so-serious DX'ers and testers.

Send \$ 9.00 for each attendee to Jerry Chouinard, K5YAA no later than September 15th. Let him know if you want chicken, hot dogs, hamburgers or all three so I can get an idea of what we'll need.

THE ANNUAL OKDXA BANQUET  
(REALLY A PICNIC THIS YEAR)  
SUNDAY SEPTEMBER 24<sup>TH</sup> 1:00 PM  
TIL 5:00 PM STARS AND STRIPES  
PARK LAKE HEFNER, NW  
OKLAHOMA CITY RAIN OR SHINE !!!

\* WE WILL EAT AROUND 3PM \*

This picnic will kick off our new membership year that runs from October 1, 2000 thru September 30, 2001. Coincidentally, the DX'ing should start to improve about the same time.

The OKDXA has contributed funds to the Kingman Reef and Tromelin DX'peditions as part of our ongoing program to support such activities. Such events will give some recognition to the OKDXA and helps to further the cause of getting rare and new countries on the air. When a request comes to the OKDXA through contact with one of the officers or members, the info is forwarded to the Board of Directors for

approval. Your annual dues help maintain the financial resources to provide these contributions, so do your part by renewing your OKDXA Membership this fall!

Recently, the media in Oklahoma City discussed a concept of making one of the smaller towns in Oklahoma almost a wireless community. In reading over the article, which went to the recycle bin before I could read it again, there was lots of discussion about the Internet and none about Amateur Radio. It seems that our complacency is getting to us. In a previous article, I volunteered the fact that we (OKDXA) had a video available for loan to any club that wanted to show it at a meeting. Not one club contacted me. ARRL President Jim Haynie, no stranger to most of us, has come up with a project he refers to as THE BIG PROJECT. This program is aimed at two things:

- 1) Attracting big bucks from industry or other major donors
- 2) Pushing the funds to the school level where we can attract younger folks to our neat hobby.

I was 15 when I got my Novice license in 1953; my shop instructor invited me to see his Ham Shack and after working some DX on 20 Meter AM, I was hooked!! That type of involvement on the part of all of us can get the youth of today off the computer Internet and into some real person to person contact. E-Mail is very efficient and quick; however, talking to someone in person at a Ham Club meeting or over the air is fun and even educational. Ever try to explain to a youngster what happened in Ham Radio when SSB took over AM modes of communication?

How do you fit into the big picture? Are you trying to encourage our youth and others to join us in this amazing hobby? It is unlikely that anyone can come up with a Hobby as diverse as ours. If you like to build stuff, you can. If you like to talk to people you can. If the sport of contesting gets into your blood, you can do that too. The fun is almost endless, depending on your interests. Try recruiting for your local club and for the OKDXA!

I hope this summer hasn't been too hard on you or your antenna farm, and I look forward to seeing you at the September 24th get-together!  
— W0PAN

### Secretary / Treasurer Report

By JERRY CHOUINARD, K5YAA

I took some time last month to write a program that reads our roster database and generates the HTML for a direct roster update on the web site. Dave Balli, our Webmaster, had the updated roster on the site so quickly I thought my browser was still reading the page off my hard drive. If you haven't visited the site lately, do so and let me know of any updates you may have. (<http://www.qsl.net/okdxa>) I will make an effort to update the roster on a monthly basis in the future. My apologies for letting the last one get a bit dusty. Now, where are those directions I had to Ham Holiday in Ponca City? — K5YAA

### From Da'Editor

By NELSON DERKS, AC5UP

Ham Holiday 2000 was held after the deadline for this C&E, so I have no idea how it went, what the weather was like, who got elected, or even if I made it to the festivities. Did you go? Did you have a good time? If so, that's all that matters.

Since we're in the Dog Days of Summer, I'm going to focus on what might be some 'cool' activity for the active DX'er. If HF band conditions in August are anything like they were in July (heavy solar flares and "I'm lucky if I can get across the street on 20 Meters today") chances are you're looking for something to satisfy your urge to radiate. Well, keep reading, Sparky!

To be fair, I have to say this has been the best Sporadic-E Season in the five years I've been licensed. Six Meters has been open at least three days a week and in early July I worked a VE4 in grid square EO-00 which is further north than the ARRL grid square map shows. Yeah, it's not like working Kiribati on AM running QRP, but you have to consider the band and mode when deciding how cool the DX is. It impressed me, although I really thought I'd have nailed Europe by now. Reports from Zero Land show a few Q's into EA on Six, but the DX refuses to drift southward. Apparently the serious DX on 50 MHz is ruled by a cruel mistress who delights in denying Five Land the big hop. But, I have been hearing some very good reports about 2 Meter SSB activity with at least one of the locals allegedly working W4 and W6 on the same evening! If this same dude (Hint: The DX King of Beggs, Oklahoma, USA) ever nails a KH6 on Two, "we will never hear the end of it"™.

I call a Six Meter FM net on Wednesday evenings at 9 PM on 50.590 <shameless plug> and July 5th we had a new check-in named KC5JAR. Nothing unusual about that, there are quite a few Tech's who make their first rig an IC-706 or similar HF/VHF combo they grow with through the license upgrades. Not a bad idea, and 'JAR was pleased to find a 'local' net on Six. I ran down the list and when KC5JAR was asked 'Where You At?' I got an exit number off of I-10 near Katy, TX as the nearest landmark. No kidding, Darrell was outside of Houston and a solid 9+ with everyone in the Tulsa metro for better than half an hour. We both thought we were 'Local'... Six truly is the Magic Band!

Chances are Sporadic-E season will have cooled off a bit by the time you read this, but it's probably still too warm for any serious outdoor play. If the HF bands are acting a little puny today, let's flip on the ol' Internet appliance and go surfing.

Grab a cool '807 (or two) and start with a visit to <http://www.cebik.com/radio.html> where you'll find a plethora of antenna ideas, including some nifty comparisons of the classic designs. L.B. Cebik, W4RNL has been publishing antenna projects in *QST*, *CQ* and '73 for decades and become very handy with the NEC-Style modeling programs. Good Stuff, and you will spend some time here, so get comfy beforehand.

Ahhh, but you're a Cubical Quad kinda' guy (really?) and W4RNL isn't strong on quads. Never fear, make a quick click to <http://www.softcom.net/users/kd6dks/quad.html> where you can design the Quad of your dreams. And, if you click "File" then "Save As" in MS-Explorer to save the web page (complete) to your local drive, the Quad JavaScript calculator runs without connecting to the Web. (!) Very Cool.

If you're tired of playing Solitaire when you can't think of anything better to do, <http://fermi.la.asu.edu/w9cf/tuner/tuner.html> has an Antenna Tuner Simulator that's definitely worth the click. Entertaining and instructive, you can save the JavaScript and run it locally, too. Compulsive Knob Twiddlers will be more entertained than a cat on a windowsill next to the bird feeder.

I've mentioned Fractal Antennas in the past, and you should make a quick visit to: [http://www.fractenna.com/ham/hampage\\_main.html](http://www.fractenna.com/ham/hampage_main.html) from time to time. Chip, N1IR has been testing the 'Fractal Flyer K2'

which may answer the age-old question of how to squeeze an effective low-band HF antenna onto a modest estate.

You've heard about PSK-31, the newest digital mode that uses the sound card in your PC? Software driven with no TNC required; the most expensive piece is the home-brew T/R switching relay and cable between your rig and computer. I've been meaning to look at it, and you can too at: <http://www.aintel.bi.edu.es/psk31.html>

Yeah, but we're DX'ers, so let's see how far we can 'get out' with a modem. Yokay, <http://www.rsgb.org/contents.htm> takes us to the Radio Society of Great Britain, and say what you want about the ARRL, but they'll never print "Patron: HRH The Prince Philip, Duke of Edinburgh, KG, KT" on the cover of *QST*. Of course, the sun never sets on the signals of the RSGB, or the OKDXA... (except on the grayline)

If that's a bit much, you may want to start out by visiting <http://www.rac.ca/> where you'll discover Joe is more than just a Canadian, he's a Ham, too. But the thrill seekers among us will surf the Big Salty to <http://www.wia.org.au/> where the barbee is hot and "Fosters" spells beer. It's winter downundah and you may be in need of a DX perspective from the DX perspective, if you know what I mean, Mate.

If you've been hearing about MP3 music on the Web and wondering what the deal is, cruise over to <http://www.scout.com> (if it's still there) and see for yourself. Of course, I wouldn't encourage anyone to violate any copyright laws, but the Real Player G2 you probably already have plays MP3's. CW ops might be tempted to ditty-dot along with The Surfari's *Wipeout*, and you will find Sinatra's *Witchcraft* and Jimmy Buffet's *Why Don't We Get Drunk And Screw?*, but you'd rather listen to the DX Window on 20 Meters. Right? Hint: Try a search for 'Carlin' or 'Python' or 'Cheech' and see what comes back. (Hi!)

Finally, if you're old enough to make the bathroom trot more than once a night, this Bud's for you: <http://www.triodeel.com/>. Welcome to Triode Electronics, where the name says it all. Seriously interesting for the 'O' OM, it's a place where the True Disciples of Hollow-State superiority can worship 24 / 7 without dropping a few 12AU7's in the offering plate. — AC5UP

## OPDX Bulletin - Internet Edition

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

### 3B8, MAURITIUS

After four years for the conversion of his French Ham license, Piero is now **3B8GO** in Mauritius. No QSN's reported with his new call, but check out his Web page at: <http://pages.intnet.mu/ingepru>

### 4W, EAST TIMOR (Update)

Dick Wolf, N6FF will be joining Made, YB9BV and Dennis, K7BV in October for a dedicated Low Band operation from East Timor. Dick is a well-known 160 Meter op and John, ON4UN has been consulting the group regarding frequency selection. The DXpedition website can be found at: <http://www.qth.com/l/k7bv>

### 5B4Ø, CYPRUS (Attn Prefix Hunters)

"The 59(9) DX Report" states Cyprus amateurs may use the 5B4Ø prefix until November 30th to celebrate 40 years of the Republic of Cyprus. **5B4ØMF** has been heard on 15 Meter SSB (21201 kHz at 1600z and 21309 kHz at 2000z).

### 5R, MADAGASCAR

Ken, AD6KA plans to leave August 25th to operate from here for a month. He has not been assigned a call, but activity is planned for 10, 15 and 20 Meter SSB with some PSK31, CW and RTTY. Most of the operation will be from Antananarivo, the capital, and Ken hopes to activate Nosy Be Island (IOTA AF-057). A Web page is at: <http://www.qsl.net/ad6ka>

### A5, BHUTAN

Gerard, F2VX President of the Clipperton DX Club (CDXC), reports their A5 project is "on the road". They will fly from Paris to Bangkok / Timphu on September 1st and return on the 15th. The team consists of: F6ANA, Alain F6HWU, Denise (YL) F5LMJ, Alain; F5MBO/GØLMX, Vincent FH/TU5AX, Christian and F2VX, Gerard. They will travel with five transceivers: two Kenwood TS-50's, two Icom IC-706's and one Yaesu FT-757. They have received MOC permission to use one of the **A52A** antennas (a Cushcraft A3S) with verticals and dipoles on the other bands. Power is limited to 100 watts. They are asking the DX community to help them with this project as the cost for travel, food, shelter and license is around 3,400 USD for each operator! QSL manager is F8RZ (Jean)

and all team members are members of the Clipperton DX Club and REF-Union.

Charly, **K4VUD** is looking for radio amateurs from any country to join him in activating Bhutan during the first week in December. He can arrange air travel from your home or from Kathmandu, or you can arrange your own travel. He expects to arrive in A5 around December 1st and has a Bhutan contact person to arrange passage of rigs, licenses, and hotel rooms. This is not a cheap trip. The licenses alone may cost 300 USD EACH. If you're interested, contact Charly at: [k4vud@hotmail.com](mailto:k4vud@hotmail.com)

#### **A9, BAHRAIN**

The "DX News Letter" reports that Gus, **KH2/K4SXT** has shut down his activities from Nimitz Hill, Guam and will be active from A9 in September. Gus prefers the low bands, especially 160 Meters.

#### **AX8, AUSTRALIA**

Steve, **AX8AM** will operate CW from the Darwin Northern Territory until November 2nd. He has been spotted on 20 Meter CW as early as 0630z and as late as 1300z. Also, check 40 Meters around 1230z. QSL via **VK8AM**, Steve Salvia, 1 Elliott Point, Larrakeyah, NT 0820, Australia.

#### **C2, NAURU**

Jack, **VK2GJH** will be active as **C21JH** during September or December.

#### **C9, MOZAMBIQUE (Update)**

Brian, **C91DC** is active from Maputo with an IC-707 and dipole until late September. Listen for him around 0500-0530z between 28490 and 28495 kHz and 14245 from 1400 through 1500z.

Martin, **LW9EUI** has been in touch with hams in C9 and they were very kind in helping him arrange licensing, customs, and accommodations. He will be in Maputo this December and, if everything goes as planned, will be able to operate for almost 15 days with a couple of breaks for business meetings in South Africa. A Web site with on-line logs will be set up for this operation. All QSL's should go to his home QTH at: Granaderos 691, Lujan (6700), Buenos Aires, ARGENTINA. QSL's will not be sent until March 2001 as January and February will be filled with job meetings in the USA and Madrid (EA).

#### **CT3, MADEIRA ISLANDS**

The 59(9) DX Report says Ben, **DJ8FW** will be active July 20th through August 20th, most likely as **CT3/DJ8FW**.

#### **DU, PHILIPPINES**

Joe, **DUI/K7JOE** (ex-BV/NØIAT and 7JIAOF, etc) is now active for the next two years from Manila, Philippines. Joe is a high speed CW operator who tends to favor the WARC bands and 17 Meters is his favorite. QSL to the W7 Bureau.

#### **E4, PALESTINE**

Arie, **4X6UO** says Gunter, **OE1GZA** will be active on a regular basis from Ramalla as **E4/OE1GZA**. No QSN's have been reported, QSL's go to: Gunter Zwickle, P.O. Box 1133, Ramallah, Palestine.

#### **F, FRANCE (Island DXpedition)**

Listen for Marc, **F6HQP** to be active as **F6HQP/P** August 1st-12th from an island in the Gulf of Morbihan. These islands do not count for the IOTA award, but they do count toward the DIFM award.

#### **FM, MARTINIQUE**

Gerard, **F2JD** (ex-PY2ZDX, **HK3JBR**, **HP1XBI** etc.) will be active as **FM/F2JD** for four months starting in early August. He will work SSB and CW as usual and try to be active from some other islands in the Caribbean Sea.

#### **FO, FRENCH POLYNESIA**

The "DX News Letter" reports that Walter, **DJØFX** intends to operate from here until August 18th as **FOØPT**. Activity will be CW and SSB on 80-10 Meters and a week of ZK1 operation is possible. QSL via the bureau to **DJØFX**.

Mike, **KM9D (XRØZY)** is active as **FOØMOT** in the Gambier Islands (OC-063) and plans to operate on all bands, but is being heard only on 20 & 15 Meter CW. There is talk that he may also operate from Raivavae Island (OC-114) in the Austral Islands. QSL via **OM2SA**.

Phil, **KH7FQ** is now active from Huahine Island (OC-067) as **FOØMCC**. He was heard on 17 Meters SSB on or around 18145 kHz between 0230 and 0330z. Reports state that he will be there until September and be active on 80-10 Meters.

#### **FR/T, TROMELIN (Update)**

Gill, **F5NOD** reports that the "Lyon DX Gang Association's" call for the August 2000 FR/Tromelin DX'pedition will be **FR/F6KDF/T**. No special call available.

#### **FY, FRENCH GUIANA**

Laurent, **F5AEG** will be active as **FY/F5AEG** from August 8th through the 22th. His activity will be will on 10, 15 and 20 Meter SSB.

#### **JD1, OGASAWARA ISLAND**

Listen for Tack, **JR3PZW**; Nori, **JA1OZK** and Ross, **JA1XHE** from IOTA AS-031 between August 13th and 16th. They will be calling as **JD1BKQ**, **JA1OZK/JD1** and **JA1XHE/JD1**. QSL via the bureau to home call or direct to Callbook addresses.

#### **KH5, PALMYRA**

Mike, **KH6ND** has returned and operating as **KH6ND/KH5**. His schedule is not known as Mike is assisting The Nature Conservancy operation on the atoll and his length of stay isn't known. Activity is usually 20 & 15 Meter CW between 1100 and 1230z. QSL **K4TSJ CBA**. Tom, **N4XP** reports there was some pirate activity after Mike left the atoll in June, so be aware.

#### **OHØ, ALAND ISLAND**

Ingo, **SM5AJV**; Erik, **SMØEEH**; Peder, **SMØGNS**; Jonas, **SM5HJZ**; Anders, **SMØHPL**; Olof, **SMØIEA** and Anders, **SMØIHR** will be make their traditional DX'pedition to Aland Island August 10-13th. They will be active on 160-6 Meter CW/SSB. Some activity on PSK31 and RTTY is planned. For more info visit: <http://www.mistra.se/oh0/>

#### **CARIBBEAN TOUR 2000**

The Low Land DX'pedition Team (LLDXT) announces their Caribbean Tour 2000 will be active in August and September from the beautiful islands of Antigua and Barbados. Team members are Ronald, **PA3EWP**; Peter, **PA4EA**; Rob, **PA5ET** and Dennis, **PA7FM**. Activity is scheduled as follows: Antigua - August 11-24th, calls **V26WP**, **V26EA**, **V26ET** and **V26FM**. Barbados - August 24th thru September 4th, call sign TBA on arrival. There will be two HF stations (160-10 Meters) active around the clock on CW, SSB, RTTY and PSK31. Six Meters will be active on a low profile basis, the grids are: V2 - FK-97, 8P - GK-03. The team will be active in the WAE CW, SART and SCC RTTY contests. QSL Manager is **PA5ET** (ex **PA3ERC**): Rob Snieder, Van Leeuwenstraat 137, 2273 VS, Voorburg, The Netherlands. For more info visit: [http://www.qsl.net/lldxt/v2\\_8p\\_2000/index.html](http://www.qsl.net/lldxt/v2_8p_2000/index.html)

**YS, EL SALVADOR** (on Six Meters!)

Andy, YSIAG was heard in early July working the east coast from Florida to VE1, VE2, and VE3 Land on 6 Meters. For those who worked him, his call book QSL manager is listed wrong. All QSL's go directly to: Andy Goens, MD, PO Box 3061, San Salvador, El Salvador, Central America. Andy states the following about the band: "...Six Meters is so whimsical that nothing can be taken for granted there. My propagation patterns are different from those in the northern latitudes as I seldom hear summertime Sporadic-E, but after the equinox throughout the fall and winter, TE is open almost daily with occasional good F2. I used to believe I was an old hand as I have spent most of my years as a Ham chasing DX on HF, but since I started to be active on 6 there has been a lot of new things to learn in matters of propagation. Six is a challenge. Just for comparison, on HF my total (including deleted) is 356 and on Six, after almost ten years (albeit with gaps) I can only count 27. Cheerio", Andy.

#### ZD8, ASCENSION ISLAND

"The 59(9) DX Report" reports that Chris, G3WOS will be operating as ZD8SIX starting October 30th on 6 Meters.

#### ZD9, TRISTAN DA CUNHA

A press release from Bob Henderson, 5B4AGN/G3ZEM details plans to operate from Tristan da Cunha in September 2000. Antennas and associated cabling... etc. are being dispatched from the UK to the M.V. S.A. Agulhas at Cape Town, South Africa. Travel arrangements have been finalized and Karen and Bob will depart from Cape Town on August 31st with a scheduled arrival at Tristan da Cunha on September 4th. ZD9ZM should hit the air September 5th until September 25th. Activity will be 160-6 Meters mostly CW with limited RTTY. QSL via William G McDowell, K4CIA, 13208 Norwood Road, Raleigh, NC 27614-9134, U.S.A. (direct requests must include SASE with adequate return postage) QSL via the bureau or E-mail to: k4cia@mindspring.com The Web page is: <http://www.dxtechnology.com/zd9zm>

#### ZK1, SOUTH COOK

Andy, ZK1AND is active from Rarotonga (OC-013). His activity has been mainly on 20 Meter SSB around 14260 kHz between 0300 and 0500z, and again around 1030z. QSL via AB7FS.

#### IOTA NEWS

**EU-012** The GM7V team will travel to Shetland Island for the CQWW SSB Contest in October. This is a separate multiplier for CW WW scoring and the ops will be Chris, GM3WOJ; Stewart, GM4AFF; Jim, GM4TXX and Keith, GM4YX1. The Shetland Islands have a locator number IP90 and they hope to use the call GS7V but this is not certain. They will sign GS2MP if they can't secure the GS7V call. QSL via their manager, Edwin Musto, ZS5BBO P.O. Box 211032, Bluff, 4036, South Africa. Please note that a few days prior to the contest some CW activity will be heard using the call GM4AFF/P.

**EU-020** Eric, SMITDE says everything is ready for his operation from Gotska Sandoen Island, locator JO98OJ. He will arrive on the island at 1200z on the 18th of August and depart at 1700z on the 20th. Eric will operate from the lighthouse at the northwest cape of the island, which ought to be a UFB spot. Activity will be on all bands, 160 through 2 Meters.

**EU-052** Gerard, F2VX will be active as SV8/F2VX July 29th to August 13th from Kefalonia Island.

**EU-079** Trond, LA9VDA will be active as LA9VDA/P from Runoy Island (Soroyane) August 20-21st. Activity will be on the usual IOTA frequencies 40-10 Meters. Listen for LC3NAT on 2 and 6 Meters from the JP-22 grid square, QSL to their home calls. For more info, visit: <http://home.online.no/~la7sl/la9vda/>

**OC-NEW** Alan, VK4AAR reports the team is on track to activate 2 new IOTA references, Browse Island and Cassini Island. Activity will be from "The Timor Sea DX Group" with the calls VK6BM (Browse) and VK6CJ (Cassini). Operation from Browse is planned for September 1-5th and Cassini (nearly 2 days sailing on the "Tearaway") from September 7-11th. Visit their sites: <http://www.qsl.net/vk6cj> and <http://www.qsl.net/vk6bm> for more.

**SA-020** FY5FU and FY/F5AEG will be active from the Phare de l'île Royale in French Guyana during the International Lighthouse / Lightship Weekend August 19-20th. QSL manager F5AEG.

**IOTA RESULTS** -- Heorhei, UY5XE reports the EM5UIA activity as follows:

**EU-180** (UIA BS-12) [Lebyazh'yi Island]: July 2-4th (1128- 0459z - 43 hours); 4,500

QSO's, 96 entities (Ops: UR5LCV, UT8LL, UY1LA, UY5XE)

**EU-179** (UIA BS-08) [Kalanchakskiye Island]: July 5-6th (1143-0352z - 15 hours); 1,700 QSO's, 57 entities (Ops: UR5LCV, UT8LL, UY5XE)

**EU-182** (For UIA DU-01) [Poludennyi Island]: July 7-8th (0833- 0825z - 24 hours); 2,400 QSO's, 74 entities (Ops: UR5LCV, UT8LL, UY5XE)

#### MISCELLANEOUS NEWS

**A52A QSL's:** "QRZ DX" reports Glenn, W0JS claims the DXCC Desk approved the documentation for the A52A operation and the QSL cards are now acceptable for DXCC credit. Documentation for Glenn, A52GJ and his son Mark, A52MJ has been approved. Both will return to Bhutan at the end of the year using their own call signs.

#### 1999 ARRL DXCC YEARBOOK

Many of you have received your new yearbooks over the last few weeks and the Top 10 'Most Wanted' 1999 entities are:

1 - P5	North Korea
2 - BS7H	Scarborough Reef
3 - BV9P	Pratas Island
4 - A5	Bhutan
5 - VU4	Andaman and Nicobar Islands
6 - 7O	Yemen
7 - E3	Eritrea
8 - 3Y	Bouvet Island
9 - FR/T	Tromelin Island
10 - VU7	Lakshadweep Island

This list has changed over the last few months due to the A5 and BQ9P (BV9P) operations. The FR/T operation is coming up, which will probably change the list again, plus North Korea might become available if the talks between North and South Korea prove successful. Stay tuned!

#### DXCC NEWS

Bill Moore, NC1L and DXCC Manager reports the XW2A QSL is now accepted for DXCC credit. Meanwhile, "QRZ DX" reports approval for operations by Charlie, K4VUD as XW1UD is still pending.

#### 7O1YGF STATUS

Franz, DK1II reports via "The Daily DX" that QSL cards for the 7O1YGF operation are being printed. "Written confirmation is still being processed by the relevant bodies in Yemen. We worked under the invitation and approval of the relevant authorities in Sanaa and received the official call sign 7O1YGF. We are grateful for the support given by the Yemeni authorities and we expect to have more comprehensive good news soon... We hope this answers a few

of the many questions raised by our fellow DX'ers and ask for your kind patience."

#### AP2JZB CW-PIRATE

Apparently a station signing **AP2JZB** on CW (July 21st at 0230Z) has been active. **AP2JZB's** QSL Manager Leon, **K2EWB** reports this is a SLIM and **AP2JZB** does not now, nor has he ever, operated CW! In fact he's in Northern Pakistan on vacation.

#### NEW "GOLIST" WEB DOMAIN

John Shelton, **K1XN** reports the **GOLIST** has moved to a new Web domain at: <http://www.golist.net>. The new **GOLIST** (and John's) E-mail addresses are: [golist@golist.net](mailto:golist@golist.net) and [k1xn@golist.net](mailto:k1xn@golist.net). The **GOLIST** is the world distributor for the "DXTelnet" program for DX'ers and Sysops. Visit the Web site product page for more info. <http://www.golist.net>

#### PETER ON THE MOVE AGAIN!

"The Daily DX" reports well known DX'er and world traveler Peter Casier, **ON6TT** (5X1T) will be moving his work team to Pakistan in September. Between August and September he'll be traveling to AP - Pakistan, VU - India, A5 - Bhutan, YB - Indonesia and 4S - Sri Lanka.

#### W.A.C.S. AWARD

Ted, **W8TTS** reports the Worked All Caribbean Sea (W.A.C.S.) Award is alive and well. Jim, **IK7NXU** is the Award's Manager. Rules and pics of the plaque are at: <http://www.qsl.net/ik7nxu/wacs.htm>

" **DX IS.....???**" (Is what?)  
We hear this incomplete sentence all the time and here's your chance to finish the sentence and / or explain what the phrase means. The OPDX Editor wants to see your ideas! E-Mail the completed phrase or explanation (in two or three lines) to: [kb8nw@barf80.nshore.org](mailto:kb8nw@barf80.nshore.org)

#### SPECIAL EVENTS

Listen for special event station **SN600UJ** from July 20th through October 20th. The station is celebrating the 600th anniversary of the re-founding of the "Jagiellonian University" in Cracow, PL. They plan to operate on all bands CW, SSB and RTTY. QSL via **SP9PKZ**.

Special event station **AX3OLY** has been allocated to the WIA (Victoria) by the Australian Communications Authority to commemorate the 2000 Olympic Games in Sydney, Australia. WIA Victoria members will operate the station on the DX bands

until mid August. **AX3OLY** was activated to mark the arrival of the Olympic flame in VK3, half way through the 100-Day torch relay around Australia. The special event station will also operate during the Olympic soccer games in Melbourne. A commemorative QSL card will be issued. QSL to VK3WI via Bureau or Callbook.

#### W9DXCC CONVENTION

The 48th Annual **W9DXCC** Convention will be September 15th and 16th at the Holiday Inn in Rolling Meadows, Illinois. INCREDIBLE program: A52A Bhutan with Glenn Johnson **W0GJ**; 4W/W3UR East Timor by Bernie McClenny, **W3UR**; FO0AAA Clipperton by Jim Mornar, **N9TK**; first Chesterfield operation, **TX0DX**, by Wayne Mills, **N7NG**; **N2OO**, Bob Schenck, with the Hillview Gardens Borneo and Spratly DX'peditions, Joe Pontek, **K8JP** and Belize **V31JP**; a special 160 Meter presentation by "DXing on the Edge" author Jeff Briggs, **K1ZM**; a DX propagation talk by NCJ and WorldRadio columnist Carl Luetzelshwab, **K9LA**; plus Jay Terleski's (**WX0B**) "Short Study of Stacked Yagi-Uda Antennas" as presented at the International Contest Meeting in Helsinki, Finland, on-site **ARRL DXCC** Card Checking and much more! For details and registration info: [www.qth.com/w9dxcc](http://www.qth.com/w9dxcc) or E-Mail to Bill, [w9va@aol.com](mailto:w9va@aol.com) Don't miss it!

Bill, **W9VA/PY0ZFO**  
**W9DXCC** 2000 Chairman

#### KINGMAN REEF AND PALMYRA ATOLL (OCTOBER 2000 DX'pedition)

The Kingman Reef / Palmyra DX Group will operate from Kingman Reef in early October 2000 and we need your financial support! Kingman Reef is number 16 overall and number 2 in Europe on the most recent **ARRL DXCC** "Most Wanted" list. Our team is international and highly experienced which enhances your chance of increasing not only your total count, but also many band and mode totals. Current team members are **NI6T**, **N4XP**, **N4BQW**, **KH7U**, **NH6UY**, **K4UEE**, **WB4JTT**, **K3VN**, **DJ9ZB**, **AA7A**, **OH2BU**, **WA1S**, and **RA3AUU**. Additional team members will be added for a total of 16 operators. Several have already operated from both Kingman Reef and Palmyra Atoll.

This operation will run for approximately 12 days in early October including 2 full weekends. Six stations are planned with amplifiers and Yagis on the higher bands

and a Titanex and Battle Creek Special on the low bands. We will operate 6 Meters, RTTY and SAT. The **KR/PDXG** team has been operating from Palmyra Atoll since early May and assisting The Nature Conservancy in establishing a base camp while the Conservancy completes the final stages of purchasing the Palmyra Atoll.

Donations are being solicited to offset the high cost of this type of operation. Please help us make this operation a success by donating any amount you can. If your donation is in the form of a check or money order, please make it out to "Kingman Reef / Palmyra DX Group" and mail it to Tom Harrell, 2011 New High Shoals Road, Watkinsville, Georgia 30677. Questions can be sent to Tom, **N4XP** at [n4xp@juno.com](mailto:n4xp@juno.com) or Garry, **NI6T** at [ni6t@intuitive.com](mailto:ni6t@intuitive.com). 73, Steve **KF2TI**  
Iron Chef DX - Total Master of DX  
Stadium 10 years running - "Many challenges, no defeats", Landing, NJ

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 AUGUST 12 - 13

##### Maryland / DC QSO Party

Sponsored by the Antietam Radio Assoc., 1600Z Aug 12 to 0400Z Aug 13 and 1600Z Aug 13 to 2359Z Aug 13, phone and CW (CW in sub band / no cross mode QSO's). Work stations once per band / mode, portable / mobiles can be worked again in each county. No packet, repeater or net QSO's, MD-DC stations work everyone, others work only MD-DC. Exchange: QTH and category (Club, QRP, Mobile, Novice / Tech and Standard). CW--3.643 3.701 7.035 7.126 14.040 21.115 28.040; Phone--3.920 7.230 14.268 21.370 28.380 50.150 (VHF / UHF on CW / Phone also). Count 5 pts/mobile QSO, 4 pts/QRP QSO, 3 pts/CW or RTTY or ATV QSO, 1 pt for all others. Highest single point applies. Final score is total QSO points x overall different multipliers (MD counties + Baltimore City + DC). MD-DC stations include states / provinces / **DXCC** countries. Awards. Club competition. Send logs by Sept 1 to: Antietam Radio Assoc., PO Box 52, Hagerstown, MD 21741-0052.

##### W/VE Island Contest



Sponsored by the US Island Awards Program, from 1600Z Aug 12 through 2359Z Aug 13. 160, 80, 40, 20, 15 & 10 Meters. Eight categories: W/VE island phone, W/VE island non-phone, W/VE non-island phone, W/VE non-island non-phone, island rover phone, island rover non-phone, DX all mode, and SWL all mode. Island stations exchange RST and US/VE island name and number. Non-island W/VE and DX stations exchange RST and state/province/country. Scoring: 5 points for each W/VE island. Island stations also score 1 point for each non-island contact. Multipliers are US states and VE provinces. Awards. Send logs by September 9, 2000 to Ray Phelps, AD4LX, 1440 SW 53rd Terrace, Cape Coral, FL 33914, or to [ad4lx@arrl.net](mailto:ad4lx@arrl.net); <http://eng.mu.edu/usislands/>

#### **Worked All Europe DX Contest, CW**

Sponsored by the Deutscher ARC, 0000Z Aug 12 to 2400Z Aug 13, (phone is Sep 9-10; RTTY is Nov 11-12). 80 40 20 15 10. Single op (PacketCluster or spotting nets allowed; 36 hours max, up to three off periods 1 hour min.) and multi-single (only one signal/band). Send RS(T) and serial number. Score 1 pt / QSO and 1 pt / QTC. Non-European stations must work Europe only (except on RTTY, where everyone works everyone, but QTC's are not allowed within your own country). Final score is QSO's + QTC's x EU countries / band. (except on RTTY: WAE countries + DXCC countries). 3.5 MHz QSO's, x 4; 7 MHz, x 3; 14-28 MHz, x 2. A QTC is a report of confirmed QSO's that took place earlier in the contest that is sent back to a European station. QTC's may be sent only by Non-European stations to European stations. A QTC contains the time, call sign and QSO number of the station being reported (e.g. 1307/dl1aa/346). A QSO may only be reported once, and not back to the originating station. A maximum of 10 QTC's can be sent to the same station, the same station can be worked several times to complete this quota. Only the original QSO has QSO point value. Keep a list of QTC's sent. For example, QTC 3/7 would indicate that this is the third series of QTC's sent and seven QSO's are reported. Awards. Club competition. E-mail entries to [100712.2226@compuserve.com](mailto:100712.2226@compuserve.com).

Deadlines: CW--Sep 15; phone--Oct 15; RTTY--Dec 15. Send logs to WAEDC Contest Committee, PO Box 1126, 74370 Sersheim, Germany.

#### **WEEKEND OF AUGUST 19 -20**

##### **ARRL 10 GHz and Up Cumulative Contest, see July QST page 93.**

Object: North American amateurs work as many amateur stations in as many different locations as possible in North America on bands from 10-GHz through light.

Date and Contest Period: Third full weekend of August and September. For 2000, the dates are August 19-20 and September 16-17. Operations may take place for 24 hours total on each contest weekend. Each weekend begins at 6:00 AM local Saturday and runs through 12:00 midnight local Sunday. Listening times count as operating time. Times off must be clearly indicated in the log. --- more ---

##### **New Jersey QSO Party**

Sponsored by Englewood ARA, 2000Z Aug 19 to 0700Z Aug 20, 1300Z Aug 20 to 0200Z Aug 21. Phone and CW. CW contacts may not be made in phone band segments. 3 pts / QSO. Out-of-state stations, QSO pts x NJ counties worked. NJ stations, QSO pts x states (but not NJ) / provinces / NJ counties (max, 40+12+21 = 82). Logs must show UTC date and time, call sign, exchange, band and claimed multiplier. Awards. Logs and comments (incl. SASE for results) must be received no later than Sep 16 at: Englewood ARA, PO Box 528, Englewood, NJ 07631-0528

##### **North American QSO Party, Phone**

Sponsored by the *National Contest Journal*, from 1800Z Aug 19 until 0600Z Aug 20. Single op (no spotting nets) and multi-two. Single ops may have only one transmitted signal at a time; multi-two's have a 10-minute rule. All entries must use <150 W output power. Multiops may operate for the full 12 hours, Single ops may operate 10 hours, with off times at least 30 min long and marked in the log. Work stations once per band in phone sub bands only. Exchange name and state / province / DXCC country. If your name or location change during the contest the change must be clearly marked in the log. Multipliers are states (including KL7 / KH6) provinces and other North American countries. Non-North American stations may be worked for QSO credit, but not multipliers. Final score is QSO's x multipliers. Team competition. Awards. Electronic logs accepted. Send logs Bruce Horn, WA7BNM, 4225 Farndale Ave, Studio City, CA 91604 [ssbnaqp@ncjweb.com](mailto:ssbnaqp@ncjweb.com).

##### **SEANET Contest**

Sponsored by the Radio Amateur Society of Thailand, from 1200Z Aug 19 until 1200Z Aug 20. Single op, single/multi-band, mixed mode/single mode and multi-single. CW, SSB/FM and digital. Work stations once per mode. Use 160 80 40 20 15 10 Meters. All stations may use spotting nets / packet DX spotting. Send RS(T) and serial no. Non-SEANET stations work SEANET stations only. SEANET stations are defined as stations operating from the following ITU zones: 41, 42, 43, 44, 45, 49, 50 51, 54, 55, 56, 58, 59, 60 64, 65 and 90. Contacts count 10 points each. Multipliers are DXCC entities in the SEANET area. Final score is QSO's x multipliers. Awards. Send logs by Oct 31 to: SEANET Contest 2000, Ray Gerrard HSØ/G3NOM, PO Box 1300, Bangkok, 10112, Thailand [g3nom@ibm.net](mailto:g3nom@ibm.net).

#### **WEEKEND OF AUGUST 26 -27**

##### **TOEC WW Grid Contest, CW**

Sponsored by Top of Europe Contesters, 1200Z August 26 to 1200Z August 27. Work any station once per band, 160 80 40 20 15 10 Meters. Mobiles may be worked again if in another grid field (EM, FN, etc). Exchange signal report and grid field. Entry classes: Single operator (no packet); All band; Single band; Low power (100 W, all bands only); Multi-operator (all bands only); Single transmitter (10-minute band change rule applies); Multi transmitter. Mobile single operators (all band only) may contact stations once per grid field operated from and must show grid fields operated from in log. Maritime and maritime mobile (/M and /MM) stations permitted. Scoring: Fixed-station QSO's with other continents = 3 points; QSO's with your continent (and country) = 1 point. All mobile QSO's (and contacts with mobiles) = 3 points. Multipliers: Each grid field worked per band. Multiply QSO points x grid fields for total score. Send entries with a signed summary sheet to TOEC, Box 178, SE-83122 Ostersund, Sweden. Logs may also be submitted via e-mail to [TOEC.contest@pobox.com](mailto:TOEC.contest@pobox.com). All entries must be e-mailed or postmarked within 30 days of the contest. Additional info: <http://www.qsl.net/toec/grid.htm>.

##### **Ohio QSO Party**

Sponsored by the Mad River Radio Club, from 1600Z Aug 26 until 0400Z Aug 27. Categories: single-op, multi-op and mobile rover. Ohio stations exchange serial

number and county. Stations outside Ohio exchange serial number and state or province. Suggested frequencies: CW 3.545, 7.045, 14.045, 21.045, 28.045; SSB 3.850, 7.225, 14.250, 21.300, and 28.450. Work stations once per band and mode. Score 2 points per CW QSO and 1 point per phone QSO. For Ohio stations multipliers are 49 US states, 13 VE provinces and 88 Ohio counties. For stations outside of Ohio, multipliers are 88 Ohio counties. Multipliers are counted once per mode. Final score: Multiply QSO points by total multipliers. Send logs to Jeff Clarke, KU8E, 2896 Minerva Ave, Columbus, OH 43231 ku8el@yahoo.com; <http://www.qsl.net/mrrc/oqp.html>.

### CQC Summer QRP QSO Party

Sponsored by the Colorado QRP Club, from 1800Z Aug 27 until 2359Z Aug 27. Single band, multi-band and portable. QRP only. Exchange RS(T), state / province / DXCC country, first name and CQC number or power output. CW 1.825 3.560 3.710 7.040 7.110 14.060 21.060 21.110 28.060 28.110; Phone 1.910 3.985 7.285 14.285 21.385 28.385. Score 6 pts / 4 pts CW QSO with member/nonmember; score 3 pts / 2 pts Phone QSO w/member /nonmember. Final score is QSO pts times states / provinces / DXCC countries times number of first names worked (one / letter of the alphabet, 26 max). One thousand bonus points for working WØCQC. Awards. Send logs to Colorado QRP Club, PO Box 371883, Denver, CO 80237-1883; [contest@cqc.org](mailto:contest@cqc.org). See the Colorado QRP Club Web Site at <http://www.cqc.org/>.

**WIAW Qualifying Runs** are 10 PM EDT Monday, August 7, and 4 PM EDT Tuesday, August 22. The K6YR West Coast Qualifying Run will be at 9 PM PDT on Wednesday, August 2. Check the WIAW schedule for details.

### AUGUST / SEPTEMBER SUMMARY

(Courtesy of Bruce Horn, WA7BNM)

#### August 2000

10-10 Int. Summer Contest, SSB	0001Z, Aug 5	2400Z, Aug 6
European HF Championship	1000Z	2200Z, Aug 5
North American QSO Party, CW	1800Z, Aug 5	0600Z, Aug 6
ARRL UHF Contest	1800Z, Aug 5	1800Z, Aug 6
YO DX HF Contest	0000Z	2000Z, Aug 6
QRP ARCI Summer	2000Z	2400Z,

Daze SSB Sprint	Aug 6				
WAE DX Contest, CW	0000Z, Aug 12	2400Z, Aug 13			
W/VE Islands Contest	1600Z, Aug 12	2359Z, Aug 13			
Maryland-DC QSO Party	1600Z, Aug 12	0400Z, Aug 13 and 2300Z, Aug 13			
SARTG WW RTTY Contest	0000Z	0800Z, Aug 19 and 2400Z, Aug 19 and 1600Z, Aug 20			
ARRL 10 GHz Cumulative Contest	0800 local	2000 local, Aug 19 and 0800 local, Aug 20			
Keyman's Club of Japan Contest	1200Z, Aug 19	1200Z, Aug 20			
SEANET WW DX Contest, CW/SSB	1200Z, Aug 19	1200Z, Aug 20			
Oregon QSO Party	1400Z, Aug 19	0400Z, Aug 20			
North American QSO Party, SSB	1800Z, Aug 19	0600Z, Aug 20			
New Jersey QSO Party	2000Z, Aug 19	0700Z, Aug 20 and 1300Z, Aug 20			
TOEC WW Grid Contest, CW	1200Z, Aug 26	1200Z, Aug 27			
SCC RTTY Championship	1200Z, Aug 26	1200Z, Aug 27			
Ohio QSO Party	1600Z, Aug 26	0400Z, Aug 27			
Scandinavian Activity Contest, CW	1200Z, Sep 16	1200Z, Sep 17			
Washington State Salmon Run	1600Z, Sep 16	0700Z, Sep 17 and 2400Z, Sep 17			
QCWA QSO Party	1800Z, Sep 16	1800Z, Sep 17			
North American Sprint, SSB	0000Z	0400Z, Sep 17			
CQ/RJ Worldwide DX Contest, RTTY	0000Z, Sep 23	2400Z, Sep 24			
Scandinavian Activity Contest, SSB	1200Z, Sep 23	1200Z, Sep 24			
Panama Radio Club Contest	1200Z	2359Z, Sep 23			
2000 6m Activity Contest	1800Z	2200Z, Sep 26			
Louisiana QSO Party	0000Z	2400Z, Sep 30			
Texas QSO Party	1400Z, Sep 30	0500Z, Oct 1 and 2000Z, Oct 1			

### Doctor DX

Dear Dr. DX:

I wore out two pair of Nike's pounding the concrete at Ham Holiday 2000 looking for the ShaZamaHamaTronics booth! What's The Deal? No advertisement in the C&E last month, no booth at Ham Holiday, Nada, Zip, Zilch. I think I'm perturbed!

*Signed: Pete Turbed, KA5FU*

Dear Turb:

It's a long story, so get comfortable...

The ShaZamaHamaTronics HamFest Sales Team (Achmed & Shlomo) intended to make a big splash at Ham Holiday 2000 to satisfy the teeming throng of free-spending OM's who flock to OKC every year with a fortune in disposable income. (Really? Are we still talking about Hams? - Ed)

There was no advert last month since the Research Division was still working on a super-secret new product to revolutionize the hobby. The ShaZamaHamaTronics ad agency (Wach, Azwee, Rippum, Hoff in OKC) started work on a four page, full color spread for the C&E, but research balked at a July product deadline. Then, in a remarkable coincidence, OG&E parked a fully loaded line maintenance truck within forklift distance of ShaZamaHamaTronics World Headquarters and the work crew forgot to lock the back doors overnight.

#### September 2000

All Asian DX Contest, SSB	0000Z, Sep 2	2400Z, Sep 3
IARU Region 1 Field Day, SSB	1500Z, Sep 2	1500Z, Sep 3
Panama Anniversary Contest	0001Z	2359Z, Sep 3
MI QRP Club Labor Day CW Sprint	2300Z, Sep 4	0300Z, Sep 5
WAE DX Contest, SSB	0000Z, Sep 9	2400Z, Sep 10
IRCC Bison Stampede (Indiana)	1800Z, Sep 9	0200Z, Sep 10
ARRL September VHF QSO Party	1800Z, Sep 9	0300Z, Sep 11
North American Sprint, CW	0000Z	0400Z, Sep 10
YLRL Howdy Days	1400Z, Sep 15	0200Z, Sep 17
Air Force Anniversary QSO Party	0001Z, Sep 16	2359Z, Sep 17
ARRL 10 GHz Cumulative Contest	0800 local	2000 local, Sep 16



Astute readers of this column are aware the University Of California at Berkeley, and Stanford U, have been doing research into the remarkable ability of the Tokay Gecko to climb any surface. This large lizard that resembles a miniature dinosaur can scamper across a ceiling or a polished glass plate held vertically with ease. In June, UC Berkeley announced a theory the Tokay Gecko foot relies on a thin layer of incredibly fine hairs to develop a robust electrostatic bond without adhesives. The ShaZamaHamaTronics research division postulated that if RF is an electromagnetic field, could an electrostatic coating similar to the Gecko 'itty-bitty foot fuzz' improve the radiation efficiency of an antenna?

Initial testing revealed the Sierpinski Monopole had remarkable bandwidth and gain, a real pile-up buster even on bands far above the design frequency, a common trait of many fractal designs. Within hours of completing a full E and H Plane plot of the radiation pattern, crews began spraying sections of the antenna with the prototype Micro-Fiber DX Fuzz as the gain pattern was monitored. Despite the excellent performance of the original design, the effect of adding the Micro-Fiber DX Fuzz was nothing short of spectacular.

About the time the last section of coating was dry, A5LID showed up and keyed his HT at the 500 milliwatt level to announce he was monitoring the local repeater.

wire balanced feed line to the antenna range was vaporized to the ground.

Apparently the RX capabilities of the DX Fuzz treated antenna were well above the wildest dreams of the research division and, perhaps, some of the laws of physics. Talk about intense electrostatic attraction...

As a result, ShaZamaHamaTronics has suspended further tests on Micro-Fiber DX Fuzz until they can determine if the late payments on the insurance policy cleared. They didn't make it to Ham Holiday 2000, but there is a bright side to the story. The Spokogee, OK Industrial Development Council is actively recruiting High-Tech industries like ShaZamaHamaTronics with

\* Our Monthly C&E Special from your friends at FUBAR ShaZamaHamaTronics of Spokogee, OK \*

## **WE'RE MOVING TO A BIGGER AND BETTER LOCATION IN SPOKOGEE, OKLAHOMA!**

*THIS HAS TO BE THE MOST SIGNIFICANT MOVE WE'VE EVER MADE!*

Most retailers pick THE MOST CONVENIENT LOCATION THEY CAN FIND but at ShaZamaHamaTronics we KNOW anyone who DRIVES ALL THE WAY to SPOKOGEE IS DEFINITELY GOING TO SPEND SOME MONEY WITH US !!! And, to celebrate our NEW LOCATION, we're offering INCREDIBLE DEALS on COMMERCIAL GRADE ANTENNA WIRE. YES, NOW IS THE TIME TO SAVE LIKE NEVER BEFORE ON HIGH-TENSION WIRE THAT LASTS FOREVER !!!  
(And be sure to ask about our commercial quality wire splicing tools and accessories!)

As Cletus B. Liddley, A5LID of Bokchito, Oklahoma says: "This antenna wire is fantastic, it's just like the stuff OG&E uses!"

## **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.cunninghamstrikes.com>

Needless to say, within a few weeks the first batch of "Micro-Fiber DX Fuzz" was ready for testing. As luck would have it, by mid July, another project, a full-size fractalized 160 M Sierpinski Monopole to 6 iterations with a 4th iteration ternary tree ground plane, was nearly completed on the antenna test range. A demanding design, almost half a mile of commercial grade wire was used in the antenna.

Moments later, ShaZamaHamaTronics HQ was reduced to a pile of rubble following an intense explosion. A5LID autopatched 911 (after hitting every button on the HT keypad) and, fortunately, no one was injured during the autopatch attempt. The Fire Department investigators found no reason for the explosion, but noted the grass three feet on either side of the open-

tax and bonus incentives to relocate to the Spokogee Industrial Park. No deal has been finalized at this time, but Achmed and Shlomo will be traveling to Spokogee for the final negotiations 'real soon'.

No Doubt Spokogee won't realize what hit them until after the papers are signed...

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, AC5UP, 13410 South 128<sup>th</sup> East Ave. Broken Arrow, OK 74011

E-Mail to: [k5yaa@aol.com](mailto:k5yaa@aol.com) or [kc5qvv@gte.net](mailto:kc5qvv@gte.net) – Visit the OKDXA Web Page <http://www.qsl.net/okdx>

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



## Oklahoma City Autopatch Association

Minutes of the OCAPA meeting for July 18<sup>th</sup>, 2000

The meeting was opened at 7:30 PM by the president of OCAPA, Glynn Massey, N5WNL. There were twenty-six members present plus four guests; Pat Duskin; Bill Blodgett, KE5RKT; Paul J. Kelly, KD5KCZ; and Wolfgang Isele, W5/DH2IW from Germany.

The minutes of the meeting as taken by the VP were approved as printed in the C&E. Thanks, Ron.

The Treasurer's Report was approved.

**Field Day** - The Field Day entry was sent in by Glynn Massey on July 6, 2000. We had a total of 195 CW QSO's, 10 Digital QSO's, and 956 Phone QSO's. Total claimed score less Bonus points is 2732.

**HH 2000** - CORA was informed that Hobbies, Arts and Crafts and Modern Living Building was unavailable due to remodeling. HH 2000 will be in the Made in Oklahoma Building.

**Techinal Committee** - Hats off to the following amateurs who are responsible for the repairs on both the antenna system and the repeater shack:

Jeff, WB0GTY  
Glynn, N5WNL  
Mark, WL7FT  
Loyd, AB5I  
Gene, KG5GX  
Clay, WA6LBU  
Ron, KC5QCV  
Jim, N5OHL  
John, N5SAM

If I missed anyone, I'm sorry.

Our guest from Germany explained how the licensing system works over in Germany.

**Scholarship** - The winner of the Leonard Hanstein Memorial Scholarship for 2000 is Stacy Ann Jobe.

Start thinking about who you want for officers. Glynn Massey is not eligible for re-election as President; Forrest Rush is not eligible for re-election as Secretary.

The meeting ended about 8:15pm and adjourned to Coits.

Respectfully Submitted,

Forrest Rush, N5VWF  
OCAPA Secretary

### More Amateur Radio Newslines...

#### Rescue Radio: REACT suggests FRS Emergency Comms Channel

REACT International is suggesting adoption of FRS channel One with the CTCSS tone disabled as a national call channel. REACT says it came up with the idea after lost hikers in Southern California spent 40 minutes calling on 14 different FRS channels using 38 different tones. In that case, an eleven year old boy heard the distress call on his FRS HT while camping with his family. FRS Channel One is at 462.5625 MHz in the General Mobile Radio Services band.

(REACT, ARRL, others)

#### Restructuring: WIA President on concerns over 5 WPM Morse

The President of the Wireless Institute of Australia Queensland has acted swiftly to ally the fears of VK hams who are concerned over the restructuring of that nations exam process. As reported, Australia

recently adopted 5 word per minute Morse testing for access to the high frequency bands. Some Australian hams are now questioning this move.

But the WIAQ leader says that there is nothing to fear except the apprehension that always comes with

change. Q-News Graham Kemp, VK4BB, has more:

President Col Gladstone VK4ACG writing to his WIAQ members in the monthly magazine QTC says that the WIA adopted 'no code' policy has resulted in a number of concerned Amateurs questioning this policy.

They have fears on two major grounds. One, that the standards for gaining an Amateur license are to be dropped. Two; that the CW only segments will be lost.

Firstly to the lowering of standards. As Col says when he sat 30 years ago, we did not have such modes as packet and many of the digital modes including machine generated CW, that are now possible due to computers. In fact at the time many Amateurs were using AM on the phone segments, even though SSB had been around for some time. Candidates are now examined on any of these newer modes which weren't around many years ago, as a result the standard is obviously higher and broader.

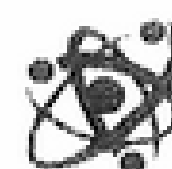
As far as the loss of the CW segments, particularly on the HF bands. It's envisaged the band plans won't change.

I'm Graham Kemp, VK4BB, of Q-News Australia reporting for Newslines.

Gladstone adds that he hopes Morse will remain a part of ham radio so that it does not become a lost art. This, now that it is no longer required in the commercial world.

(Q-News)

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## Tales from the Log #3

### Surf's Up!

By Jerome Doerrie K5IS

The date is Saturday, the 15<sup>th</sup> of July and without a doubt, summer has arrived. It is hot! Too hot for me to remain outside, so I had come back in to cool off. The telephone rings and I answer. The voice says, "Surf's up!"

"Oh, hi, Craig. What are you working?"

"Well, Jerome, you need to be on the air. With my 20 watts on two meters I just worked K5JL in Oklahoma City. This aurora is intense and coming down to the south. I haven't heard you, or anyone working you, so thought I had better call. How about a schedule?"

"I will need about an hour to get my equipment hooked up. Shall we start on 144.170 at 2215 GMT and go to 50.130 at 2230?"

"Ok, see you there."

"Surf's up" is a code that several of us in the Central States VHF Society use with our telephone alerts about major band openings. Central States was organized by operators that were interested in working beyond the "normal" distances on the VHF bands. In 1965 a decision was made to have an informal get-together on the weekend following the August Perseids meteor shower. For many of the members, this is the family vacation time, so the format has revolved around the family by having a campout. Schools now start so blasted early in August, that it is necessary to move the meetings into July. The location differs each year with a general rotation of south, middle, and then north in the Central states region. This year the meeting was held in Canada. Nowadays there are two days of technical papers and family programs in the air conditioned comfort of a hotel. It costs \$5.00 for membership and to get on the mailing list. Their homepage is located at <http://www.csvhf.org/CSVHFMEML.HTML>. The first persons to earn the WAS (worked all states) on 2 meters, 432, and 222 MHz bands were members of the society. Also, society members were first to do what was thought to be impossible and have obtained the DXCC (100 countries) award on 6 meters and 2 meters. Currently 264 DXCC certificates have been issued for 6 meters and 11 certificates issued for 2 meters. As a member of the society, I am friends with many interesting operators and have learned much about how to be a better operator while obtaining the WAS and WAC (worked all continents) awards on 6 meters and 40 states on 2 meters.

My earliest memories of Craig Martin, WA0WPJ, occurred on the antenna test range that was set up when one of the conferences was held in Kansas City. This handsome gentleman with a white cane was checking out the activities. I joked with him, "If you will tell me which band that portable antenna with the invisible elements is for, I will be happy to assist you with the entry." He laughed at my "crude joke", and told me to watch out for the invisible elements that he had cut for 2 meters. I told him that his stealth technology would be just the item needed by the hams that want invisible antennas. We became friends that day.

There are "black hole" type mysteries in VHF propagation. One such mystery involves the problem that I have in working into Kansas City. Stations that are 50 miles in any direction of KC are easily workable. On 2 meters using a 14 element yagi and 80 watts on sideband or CW, I easily work similar stations out to 300 miles. However, it is very difficult for me to get a contact with stations in Kansas City. Craig and I have not yet had a home station to home station QSO. It would be a thrill for us to make such contacts.

Aurora is typically produced by the larger solar flares that occur as the sunspot activity declines from a solar activity peak. The emitted particles become trapped in the earth's polar regions at an altitude above 60 miles. The physical display produces a visible show that is named the "Northern Lights." However, solar events are random and can occur at any time. In Alaska aurora may occur as often as 200 times a year, in northern Minnesota, it is about 50 times a year. For Oklahoma it may be 2 to 4 times in a year. The sun emitted a massive coronal ejection on July 14 (Friday) and Saturday, July 15<sup>th</sup>. From 1600 to 2400 GMT on July 15<sup>th</sup> the Planetary K index went off the scale on the recording charts. These numbers are associated with an extreme geomagnetic storm. The "D" layer adsorption wiped out the HF frequencies.

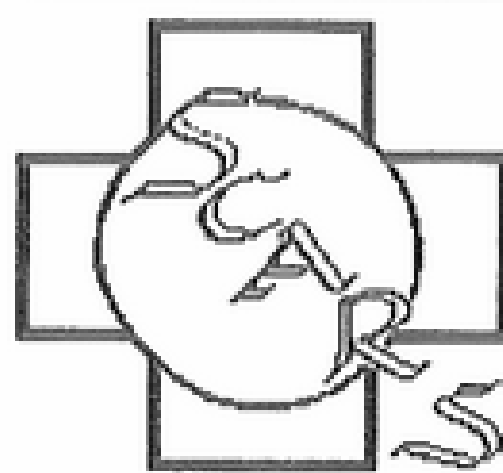
The first time that I ever heard an aurora, I thought it was Jay, K5JL, working on a new amplifier. Boy! Did he need to neutralize his tubes. The signal was very wide and sounded terrible. The station was calling CQ and signed W0PW. I knew this to be Don Hillard and at that time he was working for The Bureau of Standards and lived on a mountain near Bolder. When he gave the station he was working a 55A signal report, I recognized then that this must be what the aurora sounds like. The signals were 6 to 10 KHz wide and sounded like whoosh for the dash and whish for the dot. Usually the voice is so distorted that the contacts are made using code at about 8 words per minute. The electronics in a FM receiver use ratio detector circuits that dump any amplitude modulation components on the signal to ground, so the FM operator will not hear this type of radio activity.

With my 2 meter antenna at a whopping 13 feet off the ground and the 6 meter antenna at a 12 foot elevation, I hooked up the Icom 706, and turned the antennas to the north. Tuning around on 2 meters I heard Dan WB5AFY in Vernon, Texas, Larry N0LL in Smith Center, Kansas, Sam K5SW in Muskogee, Jay, K5JL in Oklahoma City, Connie, K5CM also in Muskogee, and a few others. At the scheduled time I called WA0WPJ. Trying for 15 minutes with no success on 2 meters, I switched to the six meter frequency. I started calling Craig at 2230. Heard a good signal from him, 55A, but he didn't hear me. (I need to get him a pre-amp for his receiver—hi!) At 2236 I worked KA5AAE in EM06, big dx -- all of 40 miles to Rosston, OK; 2237, K0RI in DM78, Colorado; 2239, K5TN in EM15, Oklahoma; 2244, K0ZT in DM79, Colorado; 2312, N0IPL in DN72, Wyoming; and 2315, K0HA in EN10, Nebraska. It took me six years to work all 50 states on 6 meters with the last three years spent in seeking Nebraska. Today one fell into my lap—TANJ...there ain't no justice! If my antennas had been up at 30 feet or higher, I would have had a longer list of stations worked.

Wade Anderson, K5TN in Oklahoma City was looking for stations in near by grid squares. The world has been divided into a 2 degree by 1-degree grid network that is about 200 miles by 100 miles in size. The basic VUCC award requires working and confirming 100 grids on 6 meters. For 2 meters the basic level is also 100 grids. Incidentally, John Hall, KA0KUY in Anthony, Kansas has worked 100 grids with 10 watts on 2 meters. The information that I have listed behind the call signs is the grid identifier for that station. In this opening Wade, K5TN, also worked K0HA in EN10 in Nebraska, and K5AB in Georgetown, TX (EM10), K5WC in Ark(EM44), K0AZ in MO(EM37), and K5IS in Texas(DM96), all on 6 meters. On 222 MHz Sam, K5SW, worked N0LL and W9UD. On 2 meters, in Wichita Jon, N0JK, was running 20 watts and a 4-element yagi. N5XR uses a 200-foot long wire on 6 meters. During a sporadic-e contact on Sunday the 16<sup>th</sup>, Bob, K4XDX in north west Alabama told me that he had worked over 60 stations on 6 during the aurora. Many modest, lower power stations made lots of contacts in this aurora opening. Joe Mack, NA3T, is collecting logs of this opening and will have timed maps of this event on the web. Check out <http://www.wm7d.net/azproj.shtml> for further details on this super aurora opening.

I heard traces of aurora on the signals well into the evening. I went outside to see if by chance some of the "Northern Lights" would be visible. Wouldn't you know it, I found one of the brightest moonlit nights that we have ever experienced! Maybe, the next time, the aurora will be visible. Solar events have a 27 day-rotation period. Just in case, I will be listening on August 10<sup>th</sup> and 11<sup>th</sup> for any signs of a repeat of the aurora and the signals that may be reflected off the meteor trails of the Perseids shower that may peak on August 12<sup>th</sup>.

Consider obtaining an all band, all mode "wonderful rig" such as the Icom 706 or Yaesu FT100 and join in on the fun on the low end of 6 and 2 meters. I find the operators to be friendly and the openings to be lots of fun!



## South Canadian Amateur Radio Society

Norman, OK

The July meeting almost had to meet outside as no one showed up with a key.

President Tom KD5ENL and Treasurer Jeff KT5OK were absent, fortunately Mike Harrison of the Red Cross came and let us in. He was there to give us a briefing on the File of Life program that the Norman Red Cross is sponsoring. It amounts to a sticker that is placed on the front door and alerts paramedics, should they have to come, to check on the refrigerator for a medical profile on the occupants. This gives them the vital information they may need in an emergency that may not otherwise be available to them. It is a free service item being offered in certain area communities. Very worthwhile.

The meeting was called to order by VP Ed N3US. Another excellent attendance and 4 new members signed up bringing us to 107. N5BEW gave the repeater report. The UHF repeater is now on the same tower as our VHF repeater but at a lower level. The main problem however is the antenna is oriented such that we have a null towards Norman. Not too good. There is a possibility that it could be loosened and swung around helping the situation. One tower climber needed.

Preliminary Field Day results are now compiled with the help of Bert Aaron K2BA who was a welcome addition to our event this year. He and his wife Carmen, K5ADI got us a lot of contacts especially on CW. We ended up with 3206 points, which is excellent for us. A good time was had by all and many thanks to all who worked so hard to set-up, cook and break down. We even were visited by Fox Channel 25 and were part of the Saturday 9 PM newscast. Bill Lockett KD5DOB gave a CORA report and made a plea for volunteers Fri to set up the flea market tables. We will have fewer this year as the Made in OK building isn't as large as the old site.

Ken Esadooah N5BEW also suggested the club investigate getting a new vanity club call. W5NOR and K5NOR are both on the available list and would fit us to a T. Mike Winkle N5SOF volunteered to look into the steps involved and start the ball rolling.

Gayland Kitch KC5MMU made a plea that this would be a good time to clean out the club station room. Some of the "rare" items there could possibly be put on a table at Ham Holiday. Good Idea.

The VE team beat goes on. Jim Copeland NW0K and the team had 7 people test. 6 qualified for the initial Technician grade and one upgraded to General.

New members joining:

Carl Starr KD5IVS

Dennis Lynch K5JMJ

Jamie Lynch KD5KBC

Nick Lynch KD5KQC

Great to see families getting licensed.

Bill Baker N5UMH  
Secretary

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## Enid Amateur Radio Club

Hi everyone, another month oh well...

Yep it is club meeting time again. The EARC meeting was at 7:00pm Thursday the 27<sup>th</sup> at the Red Cross Bldg. John, KA7GLA, called the meeting to order. Al, KD5BA brought certificates from the March of Dimes. Treasures report was given by Dwayne, KC5QVS, motion to accept by Al second by Clint motion carried. Training report by Dean, KL7MA, formal training has been completed, waiting on practice tests and set up regular test session, shooting for Aug. 8<sup>th</sup> 7:00pm at the Red Cross, tentative on VE schedule. Will announce on Monday night EARC net. Dean is considering a theory class for Generals after Tech. tests.

**Old Business:** None

**New Business:** Ken Rodenburg donated a DB-224 antenna to the club, Thanks Ken.

Still need the hard line replaced at north tower. Darren has proposed to try climbing tower. Check later. Fred WA5OU made motion, to put the 29 machine at the north site and 15 back to Enid second by Bill KC5OKG, motion carried. Dwayne and Dick donated a GE Mastr II repeater to the club. Bill KC5OKG brought up that the 375 and the 825 rep. Rent was due, and donations accepted from members present. Al KD5BA needs help for the Cherokee Strip Sept.16 downtown by 08:30 am at the Mark Price Bldg. To get set up as it starts at 10:00am.

Motion by Fred, second by Dean to adjourn motion carried. 73's VP Sam KD5EUS

Members present: Sam, KD5EUS John, KA7GLA Darren, KM5BQ Clint, KB5OEQ Ralph, N0NOU Bill, KC5OKG Tim, KD5KTB Dean, KL7MA David, K0KOM Al, KD5BA Gene, N5SPY Dwayne, KC5QVS Fred, WA5OU Scott, N5VRL & son Joe.

**July 8<sup>th</sup>:** Well if you did not make it you sure missed a fun time for sure. Coy Day, N5OK gave a lot of great info on things that are going on in the league. Larry Shima, W0PAN gave us the run down of

the Okla. DX Assoc. We had fun getting rid of the chow and we did!!

**DX STUFF:** ZAMBIA, 9J. Bob, W6RJ, is QRV as 9J2RA. He is usually found on 15meters SSB from 1500 to 1800z. QSL via K6SLO.MADEIRA ISLANDS, CT3. Ben, DJ8FW, will be active, probably as CT3/DJ8FW, from Madeira, IOTA AF-014, until August 20. QSL to home call. PALESTINE, E4. Gunter, OE1GZA, will be active as E4/OE1GZA from Ramallah on an almost regular basis. QSL to home call.

IRAN, EP. Yar, EP3SP, has been showing up on the bottom end of 20meters CW around 1900 to 2000z. QSL via IZ8BRI.

**Something to work:** Fall River, MA: Pilgrim Amateur Wireless Association, KA1GG, 1400 to 2000Z Aug 12, operating from aboard the submarine USS *Lionfish* located at Battleship Cove. 7.240 14.240 21.240 28.340. QSL. Phil Medeiros, N1PM, 10 Chase St, Taunton, MA 02780

**New York, NY:** USS *Intrepid* Association of Former Crewmembers, WA3KEY, 1600Z Aug 19 to 0100Z Aug 20, operating from the flight deck of the USS *Intrepid*, commemorating their 17th Annual Reunion, 7.240 14.275 21.375 28.575. Certificate. WA3KEY, PO Box 498, Quakertown, PA 18951.

**Ellsworth Air Base, SD:** Black Hills Amateur Radio Club, N0VJ, 0100Z Aug 19 to 0100Z Aug 21, commemorating the end of WWII in the Pacific. Operating out of a B-29 bomber. 21.350 14.250 7.250 3.850. Certificate. Keith B. Raihala, 10008-A Spearfish Ave, Ellsworth Air Base, SD 57706.

**World Happenings:** Australia makes 5 WPM official: Australia officially has adopted a 5 WPM Morse code examination requirement for full access to the HF amateur bands. In an announcement in the *Commonwealth of Australia Gazette* on July 12, the Australian Communications Authority changed the amateur regulations for the VK Intermediate grade license that requires 5 WPM Morse code proficiency. By that action, the ACA lifted the previous HF band restrictions on Intermediate licensees, who now may use all bands below 30 MHz. The change had been anticipated following a submission to the ACA in March by the Wireless Institute of Australia seeking a lowering of the code

speed. For the time being, Australia will maintain its Unrestricted license--which requires 10 WPM Morse proficiency--but only to satisfy the needs of reciprocal licensing agreements. The HF operating privileges and conditions for the Intermediate and Unrestricted licenses now are identical.

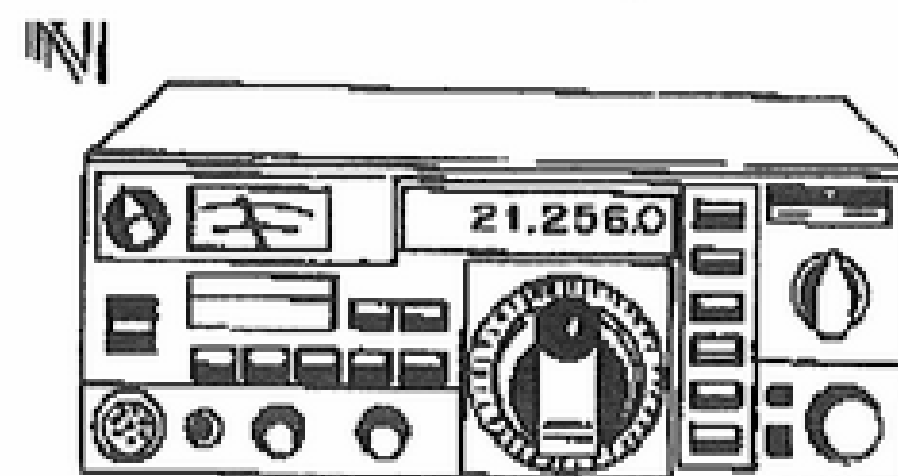
**Cyprus okays anniversary prefixes:** Amateurs on Cyprus have been granted permission use the special prefix 5B40 ("Five Bravo Forty") until November 30, 2000, to celebrate the 40 years of the Republic of Cyprus. Use of the special prefix is optional.

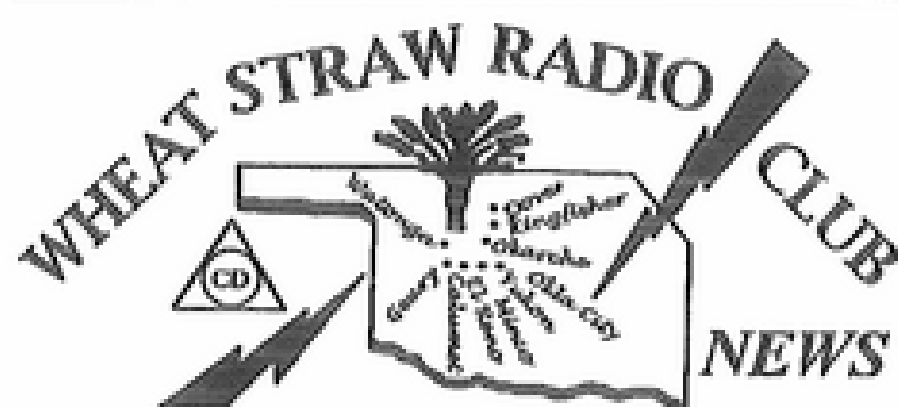
**ARLB033 ARRL Board Approves More Colorful QST, Technology Upgrade, 'Big Project'** At its recent meeting, the ARRL Board of Directors has approved a move to full color for QST, the League's monthly membership journal. The Board also stipulated a minimum 176 pages in each issue. ARRL Publications Manager Mark Wilson, K1RO, said that a full-color magazine is something the League has been looking at doing for some time. Dramatically lower costs for color now will make it possible, he said. "QST is the most visible ARRL membership benefit," he said. "This will give it greater impact." The change will be implemented by late this year.

**VHF Antenna for club:** Ken WA5FVJ, donated a DB-224 base antenna to the club, so be sure to thank Ken next time you see him or speak to him on the air.

**145.290 MHZ. RPT.:** If Dean KL7MA, work will permit we are going to change the 147.150 over to the Old 145.290 freq. within the next week or so. Keep the ear to the radio for any last minute changes.

73's Dick NJ5S





## Wheatstraw Amateur Radio Club

Most of the Wheatstraw members had a good visit before the meeting started at 2:30 as usual. Neal, N5KCO called the meeting to order at 2:30 with 16 members present. Self-introductions were made by all. The minutes were read and approved as read.

Two of the people joined the club at the start of the meeting. They were while we were visiting. KC5HKD Verna Graham and her husband K5DHA Bill Graham. We welcome both of you to our club. We had two more members we had not seen for a while. They do not get the C&E until after we meet in Del City. I think the best way to correct that is either some one in the city call them or put two meetings at a time in our column. They are Justin, W5VR and Earl, KD5IPC Salidays. We welcome them to the Wheatstraw club.

The first item of old business was a decision for a memorial for Johnny K5GBN, it was decided to send the Memorial to the Parkview Hospital in El Reno, Ok.

The repeater has a problem again. It was working so great. Joe, WA5FLT was going out to see about it Sunday—evening. I called Joe by land line at quarter of six and he found and repaired the problem.

Coy, N50K mentioned the Ham Holiday will be 28th and 29 in Oklahoma City. It will be held in the MADE IN OKLAHOMA BUILDING in the fair grounds. He asked how many of us are going? My hamfest days are over I am afraid-for me. I enjoyed them when I could go. That is this month check the last page of your C&E.

Laird Daughtery contacted some of the Wheatstraw members at Calumet asking for approval of putting up a memorial for

the Club there in the town of Calumet. If they would approve of it he would bare all the expenses. A motion was made by Wanda KC5GTW to put the memorial there. Seconded by Bill K5DLA. Motion carried,

The next meeting will be August 13th at the Canadian shelter. Going west from the stop light in the center of Canton about a mile up the grade there is a sign (CANTON LAKE) turn right go north to the end of the dam. Vary to the west down past the tree shelter belt. Go on north until you see the shelter go to the left side go around to the right stop on east-side of shelter you made it.

The Canton meeting will be a dinner meeting served at 1:30 p.m. that gives most people time to attend church if desired. If you have a lunch tray to eat from bring it. If you have a guest you would like to bring, bring them.

It was called to my attention that on the back page of the C&E July 9th 2:00 PM Wheatstraw ARC. It should read 2:30 giving people a little more time to attend church, slip into casual cloths and come to the meeting. Another mistake called to my attention, on page two C&E member 9.

Pres: Neal Kappus, N5KCO—405-262-1551. Instead of 1151 last four no/ This could very well be my mistake because I sent the new 2000 information in after the election. Any way I am sorry it happened.

Ralph, WA5PFFK

**High-Tech System To Watch The Flock**  
Implanted transmitters and thinking computers may someday watch over the flocks in Georgia chicken houses. The computers would deliver food and adjust comfort levels for more precisely than can human caretakers.

Takoi Hamrita, an assistant engineering professor at the University of Georgia, has linked tiny radio transmitters embedded under the chickens' breast bones with computers that use artificial intelligence. Her research goal is to reduce heat stress and regulate the birds' diets for maximum growth. Georgia is the nation's leading poultry-producing state. The industry generates 40 percent of the state's agricultural income. Hamrita says her system, still in the early stages of

development, will mean safer food for consumers by reducing the risk of disease outbreaks in chicken houses. It will also mean higher profits for producers by reducing the number of birds that die from heat stress.

Chicken houses, just like human houses, already have electronic systems that control heat and humidity. Many even have computer controls that measure the temperature and adjust cooling fans accordingly.

Still, heat stress remains a major problem, and producers lose a significant number of chickens because of overheating.

Ralph WA5PFFK



VHF Club  
**NEWS**

W5LOW

Elmer Goekler Memorial  
Station

## Central Oklahoma VHF Amateur Radio Club

The Central Oklahoma VHF ARC held the 12 July 2000 meeting at Hometown Buffet, 3900 NW 63rd. Meeting was called to order by Gene, KA5CNT @1145, Club VP. Bill, Club Pres. had to miss the meeting due to an eye injury, which turned out to be not serious, thank goodness. Treasurers' report was given and approved, but the minutes of the June meeting were not to be found. There was a small discussion about getting O J Simpson to help in finding the real minutes but that went nowhere. There was a great presentation by Gene Hawkins about VHF Club preparations for Ham Holiday and it sounds like good plans for events that will make us all proud. Notable attendees at the gathering were Charlie and Marie Greene and Roslin Ashby. Roslin brought Charlie and Marie, and it was sure good to see them. For the record, Hometown Buffet put us in a private room for the first time, and Hams enjoyed the good acoustics.

Respectfully, J. R. KB5WVE





## A. R. R. L. Bulletins

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

**Special Bulletin 13**  
August 2, 2000

### Lew "Mac" McCoy, W1ICP, SK

Amateur Radio legend and former ARRL Headquarters staff member Lew "Mac" McCoy, W1ICP, of Mesa, Arizona, died July 31 following a lengthy illness. He was 84.

As a member of the ARRL Headquarters staff from 1949 until 1978, McCoy gained a national and international reputation primarily for his articles in QST and his early work to combat TV interference. "He became a hero of all the Novices and beginners because his stuff was so down to earth and easy to read," said retired ARRL Communications Manager George Hart, W1NJM, a good friend.

ARRL Executive Vice President David Sumner, K1ZZ, described McCoy as "one of a kind" and "versatile." Sumner said McCoy "left his mark on future generations of amateurs as QST's 'Beginner and Novice' editor." When FM repeaters came along, Sumner said, McCoy made it his mission to educate his ARRL colleagues about their potential.

An ARRL Life Member, McCoy was first licensed as W9FHZ and later became W0ICP. He arrived at ARRL Headquarters in 1949 to fill the job of assistant communications manager for phone. He went on to work in the Technical Department where he was able to take advantage of his ability to explain technical concepts in simple terms.

McCoy earned a reputation as a tireless traveler and goodwill ambassador for Amateur Radio. He first started hitting the road in the early 1950s after TVI had become troublesome for amateurs and soon became the League's TVI expert. McCoy toured the country demonstrating

TVI cures for hams and TV service personnel alike.

ARRL Lab Supervisor Ed Hare, W1RF1, credited McCoy with providing the foundation for the ARRL's current RFI expertise in helping hams to deal with interference to consumer equipment and interference to hams from other sources. McCoy also was well-known for one of his projects, "The Ultimate Transmatch," an antenna tuner he described in a July 1970 QST article.

After leaving the ARRL Headquarters staff, McCoy continued as a QST contributing editor. He subsequently was a major contributor to other Amateur Radio publications, including CQ.

During his active years on the air, McCoy was an avid DXer with more than 300 countries confirmed. More recently, he was active in the Quarter Century Wireless Association, had served as QCWA president and a board member and had just been elected again to the QCWA's Board of Directors, something his daughters never got to tell him before he died.

McCoy's first wife, Martha, died in 1998. Survivors include his wife, Clara Gibbs McCoy, and his daughters, Marsha Ashurst, W1HAQ, and Sharon Armann, ex-WN1GQR, as well as grandchildren and great-grandchildren.

In accordance with McCoy's wishes, there will be no funeral. The family is planning a memorial service for McCoy in early December.

In lieu of flowers, the family is requesting memorial donations in Lew McCoy's name to Hospice of the Valley, 1510 E Flower St, Phoenix, AZ 85014-5656. Condolences may be sent to the family care of Marsha Ashurst, PO Box 2260, Lakeside, AZ 85929.

**Special Bulletin 12**  
July 31, 2000

### Former Puerto Rico SM Guillermo Schwartz, KP3S, SK

Former ARRL Puerto Rico Section Manager Guillermo M. Schwartz, KP3S, and his wife, Hildelisa, died July 29 after Schwartz's experimental aircraft crashed in Ohio.

The mishap is said to have occurred as the single-engine, two-seat kit plane was attempting a final landing approach at Wayne County Airport near Wooster. The couple died after being taken to separate hospitals. The couple had flown to the mainland on vacation.

Schwartz, 49, was Puerto Rico's Section Manager from October 1994 until September 1998 and had been serving as a Southeastern Division Assistant Director since 1996.

Investigators from the Federal Aviation Administration were reported to be at the scene.

Puerto Rico SM Victor Madera, KP4PQ, called Guillermo Schwartz "an excellent ham, a good friend." He said that Schwartz, who had piloted B-52s in the service, had only completed building the aircraft a few weeks earlier.

No information was available on funeral arrangements.

**Special Bulletin 11**  
July 10, 2000

### K1TO and N5TJ repeat as WRTC winners

World-champion contesters Dan Street, K1TO, and Jeff Steinman, N5TJ (ex-KR0Y), retained its title at the World Radiosport Team Championship 2000 competition in Bled, Slovenia. Street and Steinman topped the field of 53 WRTC-2000 two-operator teams from around the world in off- and on-the-air operating events designed to test their contesting skills. Using the call sign S584M, K1TO-N5TJ racked up 969 points.

The competition included the 24-hour on-air event, concurrent with the IARU HF World Championship Contest held over the weekend as well as off-air pileup tape competition held last week prior to the contest.

During the 24-hour IARU/WRTC event, K1TO and N5TJ managed to put 2234 contacts into the log--1277 of them on CW--and collected 364 multipliers. Street and Steinman also topped the field of competitors at the last WRTC, held in 1996 in the San Francisco Bay area. Teams from the US took four of the top ten finishing slots in WRTC-2000.

Finishing in second place with 910 points was the Russian team of RA3AUU and RV1AW, operating as S587N. Coming in at number 3 with 870.34 points was the US wildcard team of Doug Grant, K1DG, and CQ magazine contest editor John Dorr, K1AR. Grant and Dorr operated as S582A.

Other US teams in the top 10 included the S519I team, Bob Shohet, KQ2M, and Daniel Handa, W7WA--at number 8, and the S531R combo of Jeff Briggs, K1ZM, and Andy Blank, N2NT--at number 10.

During this third WRTC, operators competed using modest stations running 100 W on CW and SSB on 80, 40, 20, 15, and 10 meters. All sites were equipped with three-element Yagis for 10, 15, and 20 meters, and Windom antennas for 80 and 40 meters, both mounted just under 40 feet above ground.

Sponsoring WRTC-2000 was the Slovenia Contest Club. The ARRL's David Sumner, K1ZZ, served as chief referee.

#### **ARRL Bulletin 34** July 27, 2000

##### NCVEC advances revised Morse testing standards

The National Conference of Volunteer Examiner Coordinators has voted to set up revised standards for the administration of Morse code examinations in the US.

Under the revised standards, examinees would have to show 25 character-count solid copy on test sheets or successfully answer seven out of ten questions of a fill-in-the-blank quiz on the sent text. The plan would bar multiple choice tests for Morse code testing.

Morse examinations would specify use of a Farnsworth "character speed" in the range of 13 to 15 WPM. Morse code audio pitch would have to be between 700 and 1000 Hz. Standard 5 WPM tests with 5 WPM character speed could be administered only as a special accommodation.

The new Morse testing standards are to be in effect by next July 1, but VECs may implement them sooner.

The NCVEC vote came July 21 during a meeting of VECs in Gettysburg, Pennsylvania.

#### **ARRL Bulletin 33** July 26, 2000

##### ARRL Board Approves More Colorful QST, Technology Upgrade, "Big Project"

At its recent meeting, the ARRL Board of Directors has approved a move to full color for QST, the League's monthly membership journal. The Board also stipulated a minimum 176 pages in each issue.

ARRL Publications Manager Mark Wilson, K1RO, said that a full-color magazine is something the League has been looking at doing for some time. Dramatically lower costs for color now will make it possible, he said.

"QST is the most visible ARRL membership benefit," he said. "This will give it greater impact." The change will be implemented by late this year.

The Board's July 21-22 session in Hartford marked the first held under the leadership of ARRL President Jim Haynie, W5JBP, who took office following the January Board meeting. Board members said the session was the smoothest in recent memory.

In other action, the ARRL Board put its stamp of approval on "The Big Project," Haynie's ambitious initiative to provide a turnkey Amateur Radio curriculum in American classrooms. Now officially dubbed "The ARRL Education Project," the program will offer a curriculum and equipment that schools can incorporate into existing curricula. The project will be funded by corporate and foundation donations.

The Board also okayed the expenditure of up to \$1,025,000 to develop a new information technology platform for ARRL Headquarters. The new computer software and hardware not only will enhance the ARRL's e-commerce capabilities but update membership information and accounting systems. It also eventually will enable such services as electronic QSLing, member Web access to DXCC records, nearly real-time updates of DXCC listings, and expanded, detailed contest results.

The Board also agreed to provide up to \$17,000 for new equipment and up to \$2125 a month for additional fees and services for the ARRL E-Mail Forwarding Service.

The Board also accepted the report of the Ad Hoc Antenna Case Assistance Committee, which recommended creation of an expert panel to evaluate requests for supplemental funding of antenna cases. The program unanimously approved by the Board puts a \$10,000 cap on the funding of federal appeals in "those rare and infrequent cases in which there was a significant issue of law of benefit to the wider amateur community."

The Board also agreed to put the League's muscle behind an international effort to secure a 300-kHz exclusive assignment for Amateur Radio in the vicinity of 7 MHz. The 40-meter realignment issue now is on the agenda for World Radiocommunication Conference 2003.

The minutes of the ARRL Board of Directors July meeting are available on the ARRL Web site at <http://www.arrl.org/announce/board-0007/>.

#### **ARRL Bulletin 32** July 26, 2000

##### ARRL Board announces award winners

The ARRL Board of Directors has named 20-year-old Brian Milesosky, N5ZGT, of Albuquerque, New Mexico, as winner of the 1999 Hiram Percy Maxim Award. The Hiram Percy Maxim Award goes each year to a radio amateur under the age of 21 whose Amateur Radio accomplishments and contributions are of the most exemplary nature.

First licensed at age 12, Milesosky has a long track record of promoting ham radio among his peers. An ARRL member, Milesosky is an active Official Observer and was a speaker at the "Youth in Amateur Radio" at the 2000 Dayton Hamvention and ARRL National Convention. He is a member of the Board of Directors to the Upper Rio FM Society Inc, a Volunteer Examiner, and a member of both the Bernalillo County and the Sandoval County ARES teams. He also runs a weekly, statewide swap net.



Mileshosky begins his senior year this fall at the University of New Mexico, where he is pursuing a degree in electrical engineering.

Mileshosky will receive a cash award of \$1000, an engraved plaque, and a expenses-paid trip to an ARRL convention for a formal presentation.

The Board named Allen Wolff, KC7O, of Sierra Madre, California, as the 1999 ARRL Herb S. Brier Instructor of the Year Award. This award is presented to a volunteer ham radio instructor. Wolff, an ARRL Life Member, has been teaching ham radio for 14 years.

The Board voted Dan Calzaretta, NX9C, of Portland, Oregon, as the 1999 ARRL Professional Educator of the Year. This award goes to a professional teacher within a school system. Calzaretta has been teaching ham radio for 20 years. He's on the staff at the Pacific Crest Community School, where he added Amateur Radio to the curriculum.

Diane Ortiz, K2DO, of Bellport, New York, was named by the Board as the winner of the 1999 Philip J. McGan Memorial Silver Antenna Award for her public relations efforts on behalf of Amateur Radio. An ARRL Life Member, she edits the "YL News" column in QST. As both an ARRL Public Information Coordinator and Public Information Officer, Ortiz has achieved outstanding success in telling the Amateur Radio story to the news media. She also hosts a cable television program about Amateur Radio.

In other action, the ARRL Board of Directors:

- \* selected Rick Campbell, KK7B, of Portland, Oregon, as the recipient of the 1999 Doug DeMaw, W1FB, Technical Excellence Award. Campbell was selected on the basis of his March 1999 QST article, "A Binaural I-Q Receiver."

- \* named Al Ward, W5LUA, of Allen, Texas, as the recipient of the ARRL Microwave Development Award.

- \* selected Terry Fox, WB4JFI, of Falls Church, Virginia, as the recipient of the ARRL Technical Innovation Award.

- \* awarded an ARRL National Certificate of Merit to Jack Landis, W0PRF, of Des Moines, Iowa, for having mentored more than 500 amateurs during his 50-plus years in Amateur Radio.

- \* awarded an ARRL National Certificate of Merit to Forrest Bartlett, W6OWP, who provided regular on-the-air code practice and qualifying runs for West Coast amateurs for more than 50 years.

#### **ARRL Bulletin 31**

July 25, 2000

##### *Florida man arrested for interference to hams, unlicensed operation*

Federal authorities have arrested a Florida man and charged him with interfering with Amateur Radio operations and transmitting without a license. William Flippo of Jupiter was taken into custody July 20.

Flippo already faces a \$20,000 fine levied last summer for unlicensed operation, willful and malicious interference to Amateur Radio communications, and failure to let the FCC inspect his radio equipment. The matter was referred to the US Attorney in January after Flippo failed to pay the fine, and the interference complaints continued.

Armed with a search warrant, federal marshals and FCC and FBI agents, accompanied by local authorities, took Flippo into custody. FCC agents seized items related to the alleged offenses, including radio equipment.

Flippo was released on a \$100,000 bond. An arraignment on the federal charges is scheduled for July 31. One condition of his release is that he not make any radio transmissions.

Flippo was charged with four counts of transmitting without a license--each count carrying a maximum penalty of one year in prison and a \$10,000 fine--and four counts of interfering with the operations of licensed stations, which carry the same penalty.

#### **ARRL Bulletin 30**

July 21, 2000

##### *ARRL asks for primary status at 2400-2402 MHz*

The ARRL has asked the FCC to elevate the domestic status of Amateur and Amateur-Satellite services from secondary to primary in the band 2400 to 2402 MHz. The League filed a Petition for Rule Making with the FCC on July 17.

Amateurs already are primary at 2390 to 2400 and from 2402 to 2417 MHz. The ARRL says it's necessary to secure the intervening spectrum slice "to provide some assurances of future occupancy of the band segments for the next generation of amateur satellites," including Phase 3D.

"It is urgent to protect the 2400-2402 MHz band due to the extensive reliance by the Amateur-Satellite Service on the future development of satellite uplinks and downlinks in that segment in particular," the League said.

Hams have shared their other 2.4 GHz spectrum on a secondary basis with government users. The League said it wants an allocation that's not subject to reallocation or use by "an incompatible sharing partner." The City of Los Angeles recently was granted an experimental license to operate a TV downlink system in the 2402-2448 MHz band. The ARRL has protested that grant as well as a similar application from Los Angeles County.

#### **Bulletin 29**

July 21, 2000

##### *FCC launches CORES*

The FCC has begun implementing the Commission Registration System, known as CORES. While the action has few immediate implications for Amateur Radio licensees, CORES registration eventually will replace Universal Licensing System, or ULS, registration.

Described as an agency-wide registration system for anyone filing applications with or making payments to the FCC, CORES will assign a unique 10-digit FCC Registration Number, or FRN to all registrants. The FCC says use of the FRN will allow it to more rapidly verify fee payment.

The on-line filing system and further information on CORES is available by visiting the FCC Web site, <http://www.fcc.gov> and clicking on the CORES registration link.

For the time being, using an FRN is voluntary, although the Commission says it will consider making it mandatory in the future for anyone doing business with the FCC.

CORES registration will supplant ULS registration, but the ULS will remain the licensing database system for Wireless Telecommunications Bureau licensees, including amateurs. For now, the ULS remains available to new registrants. Amateurs who registered in the ULS prior to June 22 automatically have been registered in CORES and will receive an FCC Registration Number in the mail. ULS registrants also may search for their FRN on-line at the FCC's CORES Web site.

A copy of the FCC Public Notice on CORES/FRN is available at <http://www.arrl.org/announce/regulatory/da001596.pdf>

**ARRL Bulletin 28**  
July 6, 2000

*FCC says "no" to SSB, digital modes in VHF CW subbands*

The FCC has turned down a request asking it to permit SSB and digital modes in the 6 and 2-meter CW-only subbands. The petition, filed last August by the California Six Meter Club, was assigned rulemaking number RM-9806 by the FCC.

The CSMC said it requested the additional emission types because its survey of weak-signal operations indicated that the segments were hardly used. The club said most DX and weak signal work took place on frequencies above the CW subbands.

In denying the request, the FCC said it did not believe the requested revisions were necessary or had support of the amateur community. The FCC concluded that authorizing additional emission types in the 6-meter and 2-meter CW subbands "could have an adverse impact on the operating activities of other licensees." Additionally, the FCC said, CSMC did not show that any improvement in communications capabilities would result if the 100 kHz of spectrum was opened up for other emission types, which the FCC said were "adequately accommodated" under present rules.

The FCC said it was "not persuaded that there is a lack of spectrum in the 6 and 2-meter amateur service bands for transmission of data and phone emission types" and concluded that any changes to the rules were unnecessary.

The FCC action was released June 28.

**More Amateur Radio Newsline...**

**Space and Science: Huge Solar Flare hits Earth**

A huge solar flare produced by a large sunspot group has produced a geomagnetic storm that disrupted communications for several days. The flare spewed out billions of tons of plasma and charged particles at 10:24 UTC on Friday, July 14th that reached the Earth's magnetic field on Saturday afternoon on the U.S. East Coast. As the day progressed the flare did cause some radio blackouts on the sunlit side of the planet. There were also some amazing Aurora contacts like this example provided by John Moore, W5HUQ:

That was George Noyes, W1XE, in Boulder Colorado as heard by W5HUQ at his Booneville, Arkansas home on July 15th. You can easily tell aurora propagation by that distinct buzz saw like quality of the signals.

The National Oceanic and Atmospheric Administration's Space Environment Center in Boulder, Colorado predicted similar disruptions last month after a solar flare erupted on June 7. But the emissions from that flare were harmlessly deflected by the Earth's magnetic shield, leaving electricity, satellite and communications companies with only minor problems.

*(Newsline, NASA, W5HUQ)*

**Ham Radio in Space: Another delay for P3d**

Yet another possible setback for the long postponed launch of AMSAT's Phase 3d ham radio satellite. This, as Arianespace announces a rescheduling of Ariane Flight 130 due to technical difficulties with the spacecraft. Roy Neal, K6DUE, has more:

The delay was mandated by what is being termed as an anomaly that was detected during a long duration ground test of the

attitude control system used on the Ariane series upper stage.

Additional checks could not confirm the flight readiness of the attitude control system hardware installed on the Flight 130 vehicle. In compliance with its policy to give absolute priority to quality and reliability, Arianespace will not authorize the launch of Flight 130 until all causes of the abnormality has been completely analyzed and corrective measures taken.

Flight 130 had been scheduled for launch near the end of July using the Ariane 5 heavy-lift launcher. Its payload was to be the Astra 2B and GE 7 satellites. But this postponement could delay all subsequent Ariane 5 launches flights, including the one slated to carry the ham radio satellite. Phase 3d is still tentatively scheduled to launch aboard Flight 132. That's the next Ariane 5 flight in line after 130 later this fall.

For Newsline, I'm Roy Neal, K6DUE

At air time, AMSAT Germany is trying to ascertain the exact length of any additional launch delay.

*(AMSAT)*

**Emergency Comms: CBers and Hams aid in wake of tornado**

Canadian hams and CB operators were reported to have been a part of a group of rescue works combing for survivors. This, after a recreational vehicle camp was leveled by a tornado the evening of July 15th.

The twister hit at Pine Lake, Alberta about 90 miles north of Calgary. Nine people were reported killed and another 130 injured. Witnesses said trailers were flipped upside down at the Green Acres campground and the injured were wandering around in search of friends and relatives. One official says it looked as if a steamroller had flattened the camp site. And while the details are vague, it appears as if the private radio operators provided short term emergency communications until other means were put in place.

*(Published news reports, Shortwave news reports)*

## Up Coming Events

August 27, 2000 Salina, KS

Central Kansas ARC

<http://homepage.netspaceonline.com/~tremblay/>

Ron Tremblay, WA0PSF 112 North Douglas Drive Salina, KS 67401-3516  
Phone: 785-827-8149

September 8-9, 2000 Mena Arkansas

On Rich Mountain at the Queen Wilhelmina State Park. Talk in on 146.79, 100 hz. <http://qwha.intrastar.net>.

Ray Lively, W5DLC  
raysoft@intrastar.net

October 7, 2000 MO. Warrensburg Hamfest 2000

8A - 1P at the American Legion Post 131 (on Business 50 Hwy East) No Admission! Commercial Vendors/Swap Tables Contact Denise Haye (N0PVZ) or call 816-697-3426 or Write: Hamfest Committee; WAARCI; P.O. Box 1364; Warrensburg, MO 64039

### 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, KB51BY @ 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, NWOK at 329-1681 or e-mail [jimhelps@juno.com](mailto:jimhelps@juno.com) for more information. **Reservations Only Till June.**

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, NIGM for details.

VE exams on the 1<sup>st</sup> Tuesday of the month sponsored by the Stillwater ARC at 7:30 P.M. at the Red Cross Building, 505 S. Main. Contact Mike Crane, KC5GJN @ [kc5gjn@hamsnet.net](mailto:kc5gjn@hamsnet.net)

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

### On the Air

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

**ARES** - Oklahoma County Thursday @ 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 at 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 @ 8:00 p.m. on 147.150MHZ.

**W5HXL Memorial Net** - Thursday @ 7:00 p.m. on 145.41 minus input.

**QCWA Chp 63 HF** - Sunday @ 8:00 on 3855.0 kHz 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 @ 5:30 P. M. on 7120 kHz (CW Net)

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

### Vandals claim two broadcast towers

Two of four new towers owned by WNWI-AM in Oak Lawn, Illinois were destroyed by vandals over the weekend of July 8th. According to the CGC Communicator, at the time the towers were felled, the site was under construction with a move in station from Valparaiso, Indiana slated to take over the 1080 KHz on the AM dial.

Mike McCarthy who filed the report says that so far there are no leads as to who is responsible for the vandalism. McCarthy adds that this is the first time in 27 years a tower was toppled by vandals in or around the Chicagoland area. The last one was WJJD AM who lost their towers way back in 1973.

(CGC Communicator)

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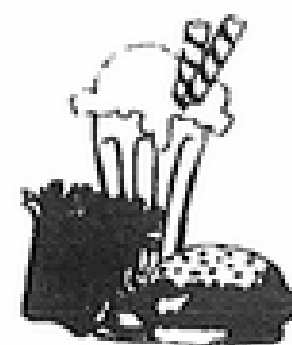
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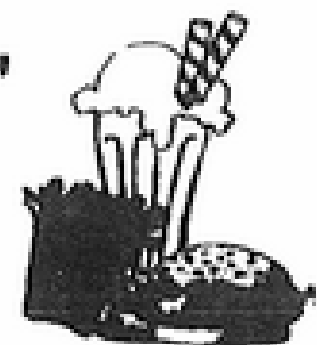
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# July 30 - September 09, 2000

## Weekly Planner

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
July 30	July 31	August 1	August 2	August 3	August 4	August 5
				7:00 PM Aeronautical Center ARC		9:00 AM Ada ARC
August 6	August 7	August 8	August 9	August 10	August 11	August 12
			11:00 AM Oklahoma VHF ARC	7:00 PM Albus Area ARA		9:30 AM South Canadian ARS 10:00 AM Enid ARC VE Exams 10:00 AM SCARS VE Exams
August 13	August 14	August 15	August 16	August 17	August 18	August 19
2:30 PM Wheatstraw ARC		7:30 PM Oklahoma City Autopatch				9:00 AM VE Exam SBC
August 20	August 21	August 22	August 23	August 24	August 25	August 26
	6:00 PM CORA VE Exams 7:00 PM Choctaw ARC	6:30 PM Albus VE Exams 6:30 PM VE Exams - Albus 7:30 PM Central Oklahoma Radio Amateurs		7:00 PM Enid ARC		
August 27	August 28	August 29	August 30	August 31	September 1	September 2
						9:00 AM Ada ARC
September 3	September 4	September 5	September 6	September 7	September 8	September 9
				7:00 PM Aeronautical Center ARC		9:30 AM South Canadian ARS 10:00 AM Enid ARC VE Exams 10:00 AM SCARS VE Exams

June

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

July

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

August

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

September

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

October

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