

Collector & Emitter

Central Oklahoma Radio
Amateurs, Inc. Publication

June 2000

Volume 26, Number 6

Issue 304

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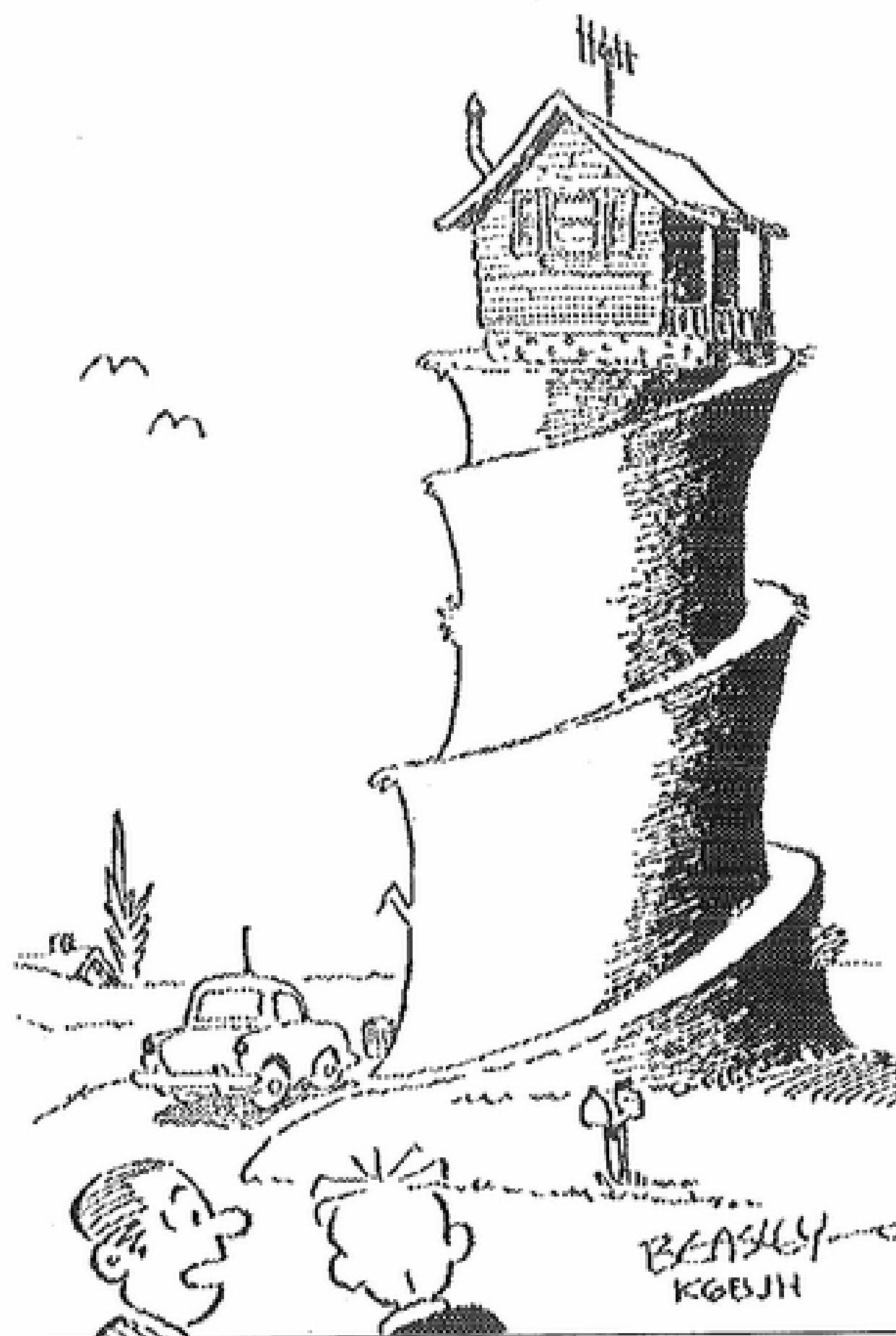
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Collector & Emitter

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**Central Oklahoma Radio
Amateurs, Inc.**

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Web Page -

www.geocities.com/heartland/7332

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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:

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

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

June 2000

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1. Aeronautical Center ARC Meets: 1930L, 1st Thursday, FAA, S. MacArthur, OKC Pres.: Bob Kremer, WA9FCT 381-3182 VP: Chuck Bryant, KB5ZVZ 737-0423 Sec./Tr.: Brad Nelson, KJ0W 793-9470 Editor:	10. Oklahoma DX Association Meets: Hamfests and as announced in C&E. Pres.: Larry Shima, W0PAN 405-721-8138 VP: Lu Fisher, K5YP 580-254-5641 VP: Sec./Tr.: Jerry Chouninard, K5YAA 918-341-2659 Editor: Nelson Derks, AC5UP 918-451-1594
2. Oklahoma Central VHF ARC Meets: 1130L, 2nd Wednesday, Home Town Buffet, 3900 NW 63 rd , Oklahoma City Pres.: Bill Noland, WA5FWD 354-5018 VP: Sec: John Dome, KB5WVE 842-3493 Treas.: Jim Speck, W5AI 842-3055 Editor:	11. Edmond Amateur Radio Society Meets: 1400L, 3rd Sunday, Edmond Community Building 28 E Main, Edmond OK Pres.: Curtis Foote, KC5GEP 359-6514 VP: David Wolf, KC5KJE 340-7486 Sec: Robert Coxey, KM5GZ 478-5715 Treas.: Gary Carson, KD5CPL 751-0006 Editor: Curtis Foote, KC5GEP 359-6514 http://edmondsun.com/cars
4. Oklahoma City Autopatch Assn. Meets: 1930L, 3rd Tuesday, Salvation Army Bldg NW 50 th and Penn, OKC (Back Door) Pres.: Glynn Massey, N5WNL 631-2731 VP: Ron McCubbin, KC5QCV 341-0591 Sec: Forrest Rush, N5VWF 842-8486 Treas.: Mark Watkins, KD5CXP 340-8596 E-mail: ocapara@juno.com	
6. Altus Area Amateur Radio Assn. Meets: 1900L 2nd Thursday, Southwest Area Vo- Tech Center, 711 W Tamarack Altus, OK Pres.: Dale Town, N5VX 580-477-4027 VP: Mike Schenkel, W5VXU 580-846-5578 Sec: Ron Roman, KD5CYW 580-482-8446 Treas.: Fred Cramer, KC5SRJ Editor: Ron Roman, KD5CYW 580-482-8446	15. South Canadian ARS Meets: 0930L, 2nd Saturday, Red Cross Bldg North OU Campus, Norman Pres.: Tom Miller, KD5ENL 321-7889 VP: Ed Berkowitz, N3US 364-8884 Sec: Bill Baker, N5UMH 366-8641 Tr: Jeff Wyke, KT5OK 329-6762 http://www.telepath.com/n5dkr
7. Enid Amateur Radio Club Meets: 1900L 4th Thursday, American Red Cross 400 N Grand, Enid, OK Pres.: John Turner, KA7GLA 580-242-6802 VP: Al Fox, KD5BA 580-242-4800 Sec: Dave Chael, KC5GUD 580-242-3445 Treas.: Dwayne Posey, KC5QVS 580-237-3218 Editor: Dick Stricker, NJ5S 580-233-9869	17. Ada Amateur Radio Club Meets: 0900L, 1st Saturday, Salvation Army Bldg 115 N. Oak St., Ada, OK Pres.: Steve Wilson, KD5DKZ 580-332-1473 VP: Charles Eiter, KC5TGA 580-436-4425 Sec: Darla Coffey, KC5RGU 580-436-1271 Tr: Marie Wilson, KD5EXM 580-332-1473
8. Choctaw Amateur Radio Club Meets: 1900L 3rd Monday, Eastern Oklahoma Co. Vo Tech, 4601 N. Choctaw Rd, Choctaw, OK Pres.: Dave Downing, WD5G 736-6377 VP: Don McDown, N5ENQ 732-6749 Sec: Tim Harper, KC5DSW 391-3096 Treas.: Ron Ernest, WB9DAF 769-3207 Editor:	19. Tri-State Amateur Radio Group Meets: 1930L, 2nd Thursday, Woodward, OK Pres.: James Hand, NW5OK 580-994-6118 VP: Larry Goodwin Sr. K5LHG 580-886-3283 Sec/Tr: Gerald Bowman, W5AOK 580-994-5600 E-mail: w5okt@arrl.net
9. Wheatstraw Amateur Radio Club Meets: 1430L, 2 nd Sunday, Location Varies Pres.: Neal Kappus, N5KCO 405-262-1151 VP: Ray Barnes, AB5Z 580-274-3334 Sec/Tr.: Joe Garland, WA5FLT 405-893-2660 Editor: Ralph Wilder, W5PFFK 405-623-5421	Central Oklahoma Radio Amateurs Meets: 1930L, 4th Tuesday, Salvation Army Bldg NW 50th and Penn, OKC (BackDoor) Pres.: Harold Miller, KB1ZQ 672-7735 VP: Tom Webb, WA9AFM 737-6716 Sec: Forrest Rush, N5VWF 842-8486 Treas.: Perry Jenkins, N5PJ 354-5075 Editor: Harold Miller, KB1ZQ 672-7735 E-mail: n1lpn@swbell.net

Deadline for July, 2000 Issue of Collector and Emitter is Friday, June 23, 2000. Send all Articles to Collector and Emitter, 4216 Spiva Drive Del City, OK 73115-4424 on 3 ½ inch floppy or e-mail to n1lpn@swbell.net. Articles received after the deadline may not be printed that month. Questions please do not hesitate to call - 405-672-7735 / 405-650-9963.

Central Oklahoma Radio Amateurs, Inc.

Minutes of the CORA meeting for May 23rd, 2000.

The president of CORA, Hal Miller, KB1ZQ opened the meeting. There were seven directors and one visitor, Elmo Black, W5JCB present.

Secretary's Report - There was no Secretary's report.

Treasurer's Report - There was no Treasurer's report.

President's Report - CORA was informed that Tom Miller had recently lost his daughter to a staff infection following her cancer treatment. She was only seventeen. Condolences were offered both to him and his family.

As of yet we have not heard from most of our dealers. Reminder postcards are being sent.

Vice President's report - Programs are coming along. Jim Copeland wants to hold the VE testing on Saturday Afternoon about 1:30 PM.

The Explorer Post has confirmed that they will be handling daytime security.

The following displays should be at Ham Holiday 2000: Next Rad, a MesoNet display, and a Display from the National Weather Service. We are trying to get one of the four "Safe Room" displays that are in Oklahoma. We may not get it.

OKDXA will be having its meeting; ARES will be having its forum. There will be an ARRL Forum. Dee Mize will be giving an antenna forum.

Tri-State Amateur Radio Group will be handling the Wouff Hong. More about this later.

Next Meeting - The Next CORA meeting will be at Salvation Army Divisional HQ's

at NW 50th St. and N. Pennsylvania Ave.
Be there on June 27th, 2000 at 7:30 PM.

Respectfully Submitted,
Forrest Rush, N5VWF
CORA Secretary

DXCC Field Checking

Hello Folks,
My name is Clifton Sikes, N5UW, and I am one of the new Field Checkers for the State.

I wanted to pass along some information, but please contact me before we do a field session. I want this to be a smooth operation, for all concerned. There are some items you need to bring along, and I will fill you in on the requirements. This is a volunteer position, and I don't receive any reimbursement for out of pocket expenses.

The main purpose of this service is to make it easier for ARRL members to apply for DXCC membership. Yes, you **MUST** be an ARRL member. Headquarters will verify your membership status, after I submit your application.

All CURRENT entities on the DXCC list are eligible for field checking. Not eligible are; deleted entities, 160-meter contacts, and any contact over 10 years old. These can be sent directly to ARRL, as a separate submission.

I will be available at Ham Holiday, on Friday evening only. Please contact me ahead of time, so I have an idea how many will be there and so I can tell you what to bring. I can set up appointments for other times/dates. Just get in touch with me. I would like to be available as much as possible. This program will save you some money that would be spent on mailing cards to and from HQ.

If you don't have a copy of the DXCC rulebook, pick one up. It has all of the guidelines, plus the official form. You must fill in the form correctly, and sign it.

Please contact me at 405-275-9087 Days, 405-997-3280 Home, or n5uw@juno.com

Good luck and good DX,

Clif, N5UW

From The Desk of the President,
Well CORA's Ham Holiday hamfest is progressing, at least the plans for it are anyway. We have sent out letters to the dealers and have received one reply back. Jerry, KJ5KP is handling the pre-registrations admits they are slow coming in. We have asked many times in the past what you the hams of Oklahoma have wanted at your hamfest and no one ever comes by and lets us know. I guess you are satisfied.

I have been involved in this organization for six years now and it still amazes me that over 90 percent of hams out there could care less what goes on around them. My question is what is it going to take to get you involved.

When the possibility of losing part of our VHF/UHF bands came round there was lots of crying foul then, or immediately after the restructuring was announced there were plenty of screams about the end of ham radio. Well we are still here and the bands seem to be doing well. There are plenty of new upgrades that are going to be wanting advice and equipment to get on the air to use their new privileges and modes.

I would love to see more folks come out and give a hand and get involved in the local hamfest. We, the board and those few that do attend try to do our best, but it isn't always good enough for some. My reply is that if you don't attempt to put some input into the event, then you don't have the right to complain. Just like voting, if you don't vote don't complain about our leadership. You had your chance!

Hal, KB1ZQ
CORA President

VE Testing at Ham Holiday

Jim Copeland, NW0K has graciously agreed to administer ARRL VE Exams at Ham Holiday again this year. The final times have not been set in stone as of yet, however Jim asks that those wishing to test please visit the following website to pre register to test. This will save time and all of your paperwork will be ready. All you should need to do is bring your fee and take the test.

<http://www.telepath.com/n5dkr>

Chit-Chat

By Linda, NILPN

A Year Later...

It has been one year since the May 3rd tornado came to Del City. They are rebuilding homes behind us and on both sides of our street. We still have no fence in the backyard, the landlord never replaced it after the storm. It isn't important, we are in the process of trying to buy this house. It has been home to us since 1991, it weathered the storm, and I feel safe here. Now it is all a matter of the landlord honoring our lease with an option to buy.

Today, May 3rd 2000, the air is crisp and sweet. The sky above is crystal blue and my roses are in bloom. The sounds of hammers and saws carry in the winds. A child is somewhere crying and a lone dog is barking. Cars speed once more down our street. Neighbors have gone back into their own little worlds. Mike is at OU taking his French final. Clothes gently wave in the breeze as they hang on the line to dry. I am listing to CLANNAD as I write this, Celtic music. Yes, today looks and feels, as it should be.

The birds came back and love the tower. We have three birdhouses located on the tower and have been waiting for birds to move into them. The garden is planted and growing. Some of my flowers have come back as well. We saw a squirrel come and eat with the birds a few weeks ago. We have set food out for him and the birds keep eating it.

A year ago, 4 young ladies were brought into our lives. God sent us these earthly Angels. Without their help, support and encouragement, we would never have made it through those weeks after the Tornado. Miss Katie Reichardt, Miss Carrie Marston, Miss Jennifer Converse and Miss Courtney Walters are my 4 Angels from Edmond. A bond was formed that will last throughout time itself.

I was at a lost on how to thank them until my dad and Rosemary sent me a very special gift, a book like none other. The title is, "More Angels in your kitchen," by Fran Keegan, Carol Keegan, and Thomase Keegan Swiderski and it was personally autographed. The book is dedicated to us, the survivors of May 3rd Tornado. Half of

the profits are donated to the survivors. Rosemary also sent me Fran Keegan's business card.

Prayers are answered if we just open our eyes and heart when they come. I knew what to give my 4 Angels. I called Fran, told her my story and asked for her help. She is another of God's earthly Angels. Next to me are 4 books, personally autographed by Fran to each girl. Soon I will be placing them into my Angels care. I still become teary eyed when I think back on all these young ladies did for us.

Yes a year has come and gone and life moves constantly forward. The future is unknown and along the path, other storms await us. Today, I will enjoy what is before me and rejoice in the beauty of it all. Tomorrow will be here soon enough.

Great Aunt is it?

Earlier this year, Hal's sisters' daughter gave birth to a baby girl. That same week my brother called and informed me I was to become a Great Aunt sometime in October! It was at that moment I realized I had just become a Great Aunt earlier that week. Isn't life great?

Words that gave me courage...

In the fall of 1973, I was starting my freshman year of College. I was not sure of anything, everything was so new and different from High School. Scary is the word that comes to mind.

I remember having to go to the student bookstore to buy books for my classes, the line went on forever. As I was waiting in line, not knowing anyone and bored, I started looking at the racks of books that were mostly poems. It was there that I discovered the poems of Susan Polis Schutz.

Strange, but I bought her book that day even though I couldn't afford it at the time. There was one poem of hers that gave me courage and I made a copy of and kept it in my notebook at all times. When I began tutoring English at the College I made another copy and had it hung up in my room. I would ask my students to read it and believe the words. The poem is for those times when we begin to doubt ourselves.

Always Believe in Yourself

*Get to know yourself ~
what you can do
and what you can not do ~
for only you can make your
life happy*

*Believe that by working
learning and achieving
you can reach your goals
and be successful*

*Believe in your own creativity
as a means of expressing
your true feelings*

*Believe in appreciating life
Be sure to have fun everyday
and to enjoy
the beauty in the world*

*Believe in love
Love your friends
your family
yourself
and your life*

*Believe in your dreams
and your dreams can become
a reality*

~Susan Polis Schutz

Until next month.....

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Help All Men

I remember a conversation with one of my Elmers when I was first getting started in Amateur radio in '98. Ralph, KA5RUZ, and I sat in his shack and we were discussing just what the word Ham stood for. Though nobody seems to recall exactly where the acronym Ham comes from, Ralph said he always thought it stood for Help All Men.

On April 3 of this year my precious daughter Kate, 17 years old, was diagnosed with leukemia. She was responding well to the treatment and was showing progress. The aggressive chemotherapy destroys not just the leukemia cells but the entire immune system as well. Early in the morning on April 20th, Kate contracted a bacteria which began to multiply with great rapidity. With her immune system unable to combat this infection she fell into septic shock and was transferred into ICU at Children's Hospital. My family and I suffered as we helplessly watched her slip slowly away. She passed away the day after Easter Sunday, April 24th.

Kate had wished for a simple memorial at the OU Duckpond with music, a few words and her friends. She wanted to be cremated and to be placed atop Pecos Baldy Mountain in New Mexico. We set about the preparations ourselves with as little involvement by the funeral home as possible. There were so many tasks to be done, each one a heartache.

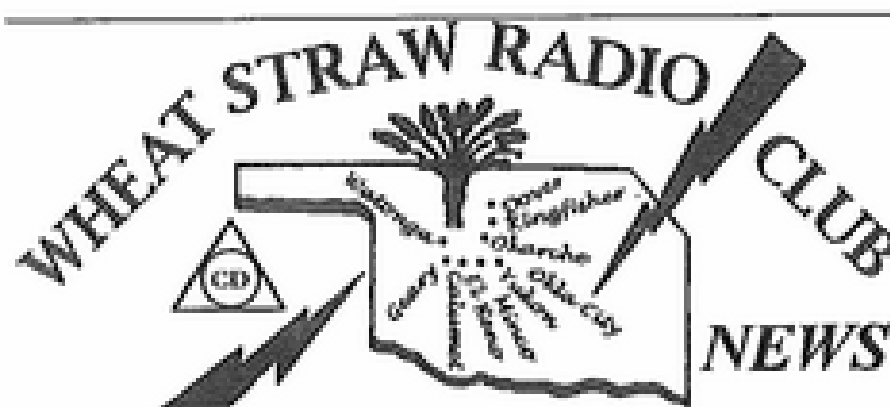
Two days before the memorial service we toured the Duckpond and found the spot we knew Kate wanted and discussed how we would need to use a small battery powered boom box since there is no power at the Duckpond for any elaborate sound system or PA system. This nagged at me and bothered me considerably and I knew I was running out of time to take on these tasks; that I did not have the time to get it all figured out before the service. In addition, I knew on the day of the service I would be too consumed with other thoughts to actually set everything up. That night the thought occurred to me that my radio club, SCARS, had access to, knowledge of and the ability to take care of all this. I called one of my Elmers, Ralph, and asked the favor. He told me he would make some calls and get right on it.

The next day Ralph called me back and told me everything was taken care of. He had called on some other buddies from the club, Bill Lockett, KD5DOB, Fred Goodwin, N5HZX, and Bill Baker, N5UMH, to help in the set up. My mind rested much easier knowing the sound system would be in place.

On Friday, the day of the service, I arrived to find my club had set up a small generator tucked away in a low spot behind a tree with over a hundred feet of hose. Due to it's distance and location relative to the site of the service, I found I could not even hear the generator running. The club members had set up a sound system with a CD player and nice speakers. There was a live mike for those with words to say. We played a CD of Kate's favorite music, her mother and I each had some things to say and the system worked perfectly. After the service the club members disassembled the system and returned it.

Since then, I have had some time to reflect on the conversation with Ralph two years ago in his shack. My broken heart is warmed by the effort placed forth on my family's behalf in our time of need. We had only to ask and the help was there. Thank you, my friends, I resolve to do my part to Help All Men.

Tom Miller, KD5ENL



Wheatstraw Amateur Radio Club

The 7th of May meeting was held in the Red Rock Park, south of Hinton. Harold Zeiacher reserved the only spot left. Harold took his fifth wheel down early to make sure it was kept.

Hal Gepner took his large motor home down before the meeting. Both Hal and Harold had fold out awnings for shade. The breeze sweeping through the canyon made it very comfortable in the shade.

At one thirty we began having our dinner. I know some people speak of it being lunch. When we were through there was food left, so I can say every one ate all they wanted. I don't think there was any bashful persons there.

N5KCO called the meeting to order about 2:30 with self introductions

James Daniels was a visitor, and we enjoyed having him. His call is KC5BED I think, I wrote it down and can not find where. If this call is wrong I apologize. James if you have your antenna up in the air, you should be able to reach the Calumet repeater since it has a new antenna put up. The frequency is 146.01 out on 61. The net is every Wednesday at 9:00 p.m.

The repair of the repeater tower was discussed as to the needs. Thank GOD it is ready to go now.

Leo WZ5H gave a report on the VE-test session of 4/29/00. There one Extra, Johnny K5GBN, 11 getting their General licenses. Not having their calls of some I will not give calls. If you do not talk to these new Generals I will be glad to print them when I get them. Congratulations go to all.

Leo WZ5H made a motion we do not have a meeting in June do to most members will be harvesting or helping harvesters. Motion was seconded and passed.

The next meeting will be July 9th in Calumet. It is not known as to the location, but I would think at the City Hall. That is one block south of the stop in the center of town then west to first white building facing the road.

May we keep our hearts filled with love, thoughts, and prayers for our friends and loved ones during their sickness.

Ralph, WA5PFK

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

D'X FILES

Episode Sixteen: Pay No Attention To The OM Behind The Curtain...

Xander was reading the morning newspapers on-line when the new e-mail icon started blinking in the lower right corner of his screen. Moments later, he was reading the following:

*Propagation Forecast Bulletin 21 ARLP021
From Tad Cook, K7VVV
Seattle, WA May 26, 2000*

Sunspots and solar flux numbers have dropped since their peak last week...

There was a big geomagnetic shock on Wednesday, when the planetary A index rose to 73, indicating severe storm levels. The planetary K index was either 6 or 7 for 15 hours. This was after a quiet week where the K index was often 1 or 2. Aurora was sighted as far south as Oklahoma and Missouri on May 23 and 24

Little did K7VVV realize there are times when the solar indices can be affected by more than just the Sun. Certainly Ol' Sol is the major influence on the upper layers of the ionosphere, but let's not forget there are other external forces of significance...

The story began a few weeks earlier when Xowolski expressed an interest in the CQ-M International DX Contest sponsored by the Krenkel Central RC of Moscow, RU. Faithful readers know Xander's shack is the most effective contest QTH ever devised, but it takes more than technical sophistication to score well under contest conditions. Xowolski knew that one secret to breaking a pileup is having a distinctive signal. We usually think of this as the strongest signal, but she knows her voice is an asset on 'phone as it stands out from the rest of the OM's.

Although Xander offered her the full use of his shack, she felt that would be unfair as there are no radio installations (outside of government ownership, and Radio Habana has only half a dB on Xander) that radiate a stronger signal. Instead,

Xander was asked if she could borrow the 'Field Day Special' version of his Broadband Ultra Linear Loaded Symbiotic Hyper Impedance Transconductor antenna for use with the TR-4C she'd picked up at Dayton. (What, you didn't notice the redhead running 45 WPM at WIAW/8 ?) Astute readers recall this antenna earned the nickname of a "Pocket Rhombic" by relying on regenerative internal resonance to achieve all-band passive amplification near a million orders of magnitude.

Of course, Xander agreed and had the antenna installed & tuned several hours before the contest. During setup the bands were in very poor shape due to a moderate magnetic storm with little DX. Xowolski was encouraged by the "40 Over" reports from the VO1's and KL7's she worked, but remained concerned. Xander excused himself as he had work to do in his shack.

Little did Xowolski suspect the work Xander planned would have a profound effect on her contest success. Seasoned DX'ers know that even during the peak of a Solar Cycle there are times of absolutely dismal propagation due to distortions in the E and F-Layers that encourage signal refractions at angles so poor the bands go dead despite high flux numbers. As soon as Xander returned home, he fired up the master console terminal and downloaded the latest geomagnetic flux readings from NOAA. Compiling the raw data into a graphic display, there was an obvious upper layer distortion blanketing North America from the Aleutians to the Maritimes. Anything more ambitious than single-hop DX from 5-Land was unlikely.

As Xander studied the contours of the ionosphere, he could see the futility of Xowolski's situation. W1's and 6's might make their first hop outside the disturbed region, but 5-Landers were at a serious disadvantage. Xander pondered. Then

analyzed. Then had another of his famous Blinding Flashes Of Inspiration!

Within moments he had the Subterranean Antenna Array activated and locked on the flux traveling through the earth's core. By modulating a double-helix waveform on a pulsed carrier, he could tighten the field much like tensioning a guitar string. This had the effect of smoothing some of the wrinkles in the F-Layer and moments later his HF scanning receiver locked on Xowolski working an LY1 in Lithuania. Despite her best efforts, the signals were so weak they were barely able to confirm the calls and signal reports.

Xander then calculated a ray-pattern chart based on real-time propagation data and determined the angle and position where an artificial ion cloud could best improve the path into RU. Within moments his SHAFT antenna was charging the F-Layer into a focused 'DX Vortex' and Xowolski was working a stiff pileup out of Moscow. A few kHz up, N5UW was heard doing the same. They were the only 5's into RU.

As the hours passed, Xander tweaked the DX Vortex by fractional degrees to move Xowolski's signal through the prefixes. This made for a very tidy log and earned her "Worked All Omsk and Vladivostock" certificates. Meanwhile, N5UW became known as "The Big Signal in Minsk". (!)

A few days later, Xander released the tension on the flux (Boing!) and studied how the F-Layers oscillated for days on end... Then invited Xowolski to watch the Northern Lights with him...

The QSO is out there.

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

Ada Amateur Radio Club

From the looks of the thermometer I think summer has arrived. Charles, KC5TGA Vice President, called the monthly meeting to order at 0912. On May 06, 2000, at the Ada Salvation Army Headquarters, fourteen people were in attendance.

Old Business:

This Is A List Of The April 15, 2000 VE Session Upgrades.

Adair, Wendell; KC5UFO	Tech+
Coffey, Danny; KM5LB	Extra
Collins, Eddie; W5WBB	Gen
Guthrie, Larry; KI5WJ	Extra
Jones, Lawrence; N5ULL	Gen
Key, Michael; KC5RPT	Extra
Lawson, Ralph; WA7WIJ	Extra
Litten, Emette; KM5JD	Extra
Myers, Dwight; N0RIW	Extra
Myers, Nancy; KD5AYN	Gen
Roundtree, Roy; N5AAE	Extra
Stout, Ray; WB5PMP	Gen
Trimble, Landon; ()	Tech
Trimble, Vonda; K5VON	Gen
Walker, Billy; W5GFE	Extra
Ward, Bennie; KJ5QZ	Extra
Williams, Walter, KA5SMB	Gen
Wilson, Marie, KD5EXM	Gen
Wilson, Steve, KD5DKZ	Extra

Congratulations To Everyone On The Upgrades.

New Business:

Mason, WT5X; passed out the April 2000 updated FCC rulebooks. Started on the plans for field day. Would like to remind everyone that is going to attend to remember to bring a chair.

Sam, N5IY; donated a packet computer to the Salvation Army, a letter from commanding officer Lieutenant Carlyle Gargis; Shawnee Salvation Army. All of us in the club would like to take time and thank Sam for the great job he is doing with the scrapbook of the club and its events. The club has offered to repay him for his film and he didn't want to accept it. Thanks Sam for a great job.

Hope every one has a safe Memorial Day;
Ada amateur radio club secretary
Darla Coffey, KC5RGU

FCC: USE YOUR CALL -- NOT YOUR PHONETICS

The nations top ham radio cop is putting the Amateur Radio Community on notice. He says that you must use your full callsign -- not just phonetics to identify your station. And in his weekly audio column on RAINREPORT.COM, FCC Special Counsel for Enforcement, Riley Hollingsworth says that there is a proper way to identify and the FCC expects everyone to abide by the rules:

"We have been getting some questions, and I think you have too about identifying with phonetics. Now I just wanted to point out that phonetics are to assist the intended operator in understanding the callsign. They are not a substitute for identifying. The identification rule is very simple, and requires that the callsign be used in English. But now phonetics are not callsigns, they are just facilitators. And it is particularly disturbing to hear signals that are 30 and 40 over and the operator is using phonetics that are repeated. Or only phonetics." Hollingsworth

Hollingsworth says that not only does identifying only with phonetics not comply with the Amateur Service Rules, but excessive use of phonetics is entirely unnecessary.

This is not the first time that Hollingsworth has brought the matter of proper identification to the attention of the nations ham community. Last year a number of DX net operators became openly agitated after Hollingsworth told them that partial callsign recognition was OK -- but only if all stations identified properly according to the FCC's rules.
(FCC)



ENFORCEMENT: \$8000 FINES UPHELD AND ORDERED PAID

Two Texas hams that the FCC says they caught in the act of interfering with a local repeater have been ordered to pay some very stiff fines. The Notices of Apparent Liability to Monetary Forfeiture had been issued last January to Paul Holcombe, K4TOF and Robert L. Meyers N5WLY. According to rules enforcer Riley Hollingsworth, the fines stand:

"Two \$8000 forfeitures were ordered. Notices of Apparent Liability have been issued in January to Paul E. Holcombe, K4TOF of Houston and Robert L. Meyers also of Houston, N5WLY. Those Notices of Apparent Liability happened on January 13th. That was for deliberate interference to the Memorial Emergency Repeater Associations repeater operations on 145.470 there in Houston in 1999. And after viewing the replies of Meyers and Holcombe the decision was made not lower the \$8000 amounts. And each has 30 days to pay or file an appeal." Hollingsworth
(FCC)

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Enid Amateur Radio Club

The meeting of the Enid Amateur Radio Club has happened again and all is well. Here are the minutes:

Meeting called to order by John, KA7GLA at 19:10L motion made to accept Sec. Report by Al, KD5BA and second by Fred, WA5OU. Motion to accept the Treasures report by Dean second by Eldon. Motion approved.

John discussed the radio room, we need a 5' or 6' table and an 8' one. Most of the wiring is finished with the main breakers to be installed. We still need a couple of power strips the long ones like 4' long and few more plug ins on another wall.

Field day June 24th and 25th, Sam will have an Icom - 706MKII and the club radio. Antennas are 80M and a 40M dipole an all band vertical from Mike Shipley and a 10M from Sam. Dean has a 4kw generator. Clint and Eldon will have a back up generators. Ralph will bring 2 computers for logging. Families will need to bring covered dishes. Clint has a small propane grill for hot dogs and stuff and Eldon will take care of the dogs and hamburgers. Fred will smoke a ham and some sausage. Dean will take care of the buns and chips. Club will take care of the drinks. Ralph said he would do a pork roast and also be a operator for the night plus some one to keep him awake.

8th of July IARU contest at 670 Oakdale Dr. NJ5S. The ARRL section manager, West Gulf Coast Div Director, President of the Okla. DX assoc. National weather service, and maybe the president of ARRL.

This will be an out side event so you can do some swimming, horseshoes or tell some bull. Any time after about 3:00 p.m. Sat. the 8th of July. Will have CHOW if you want you can bring deserts or what ever. The chow time will be around 6:30.

New Tech. License class will start at the Red Cross June 3rd at 9am till 11am Dean will instruct, Sam and Al will help.

Suggestion to get Email addresses from all members on line to make it simpler to get info the members, John said the club would email at Red Cross.

The 443.6 Repeater is ready to up. Also waiting on the climber for the tower at the north site.

Eldon makes a motion to adjourn second by Sam. Done. Members present: KA7GLA, KL7MA, KD5EUS, N5WHU, KD5BA, KC5RRS, KB5OEQ, N0NOU and Darren, KM5BQ.

SK: It sure is a sad time for me to have a fellow amateur such as Johnny Fish, K5GBN to pass on. I know he has had a rough time with his health lately but he is sure one ham that will be missed. If you did not know Johnny you missed out on one fine person. Johnny's distinctive voice on the bands made him stand out but his kindness and caring for other people made him an outstanding person, what a ham!!! 73's Johnny.

Club Room: John and Gean have been working hard on the new radio room at the Red Cross and are about to get the electrical wiring done. John is still looking for help at getting things set up so if you have some spare time give John a call, this is your club station so show some support if at all possible. If you have any spare gear to donate bring it down it will be put to good use. We will have a packet setup and also an Internet setup, so things are looking up thanks to all of the hard work.

Field Day: June 24th & 25th Get ready to support the field day activity at Crossland park. As always lots of help will be needed to get set up and operators once set up, so keep in mind of this event coming up. If you have some spare gear, ice chests, extension cords, ground rods, lights, bug stuff, and any thing else you can think of load it up.

July 8th: Be sure you put this date on your things to do. IARU contest will be up and running along with swimming horseshoes I am sure of a lot of bull and lots of chow. There should be some real good times with the guests that are going to be here.

Lets get out and show our guests that we are a Special Service Club.

Great News: Olive Adams, N5IXN is out of the hospital and back home, I am sure she is glad to be home. Take care Olive and will be looking forward to hearing you on the air ways.

Hold your breath: Some "Restructuring" License Grants Could Take Six Weeks (May 17, 2000) -- Patience is the byword from ARRL-VEC, which now says it could be another two weeks or more before some new and upgrade amateur license applications from April 15 VE sessions are filed with the FCC. The ARRL-VEC had been estimating up to four weeks between test session and license grant. Now, it's revised that estimate upward, hurry up and wait.

DX Stuff: KINGMAN REEF, KH5K. DX Group member Chuck, N4BQW, is now active as N4BQW/KH5 from Palmyra Atoll, IOTA OC-085, for the next couple of weeks. He is the first element of the Kingman Reef/Palmyra DX Group effort to activate KH5 and KH5K over the coming months.

VIETNAM, 3W. Mal, VK6LC, is QRV as 3W2LC from the Port of Vung Tau until November 2000.

EAST TIMOR, 4W. Antonio, CT1EGH, is active as 4W6GH. He can usually be found on 15 meters SSB between 1300 to 1600z, and as late as 1830z.

Well that is all for now from the Enid bunch take care.

NJ5S





Edmond Amateur Radio Society

Birthdays:

The following EARS club members have June birthdays:

6-03	Frank Tassone	AA5GI
6-03	Leo Neyer	K0LOT
6-06	Tom Harris	KD5IOY
6-06	Shirley Thornton	
6-07	Kay Sage	KV5LDO
6-08	David Wolf	KC5KJE
6-10	June Zimmerman	KD5IYJ
6-12	A.C. Adams	KA5WGV
6-12	Andrew Hessong	KD5IOZ
6-17	Donald Waits	N5KLI
6-19	Daniel Simpson	AC5TE
6-26	Ken Dunn	N5WKV
6-28	John King	KB5BLE

Member Information:

Our Newest Members:

Paul Kely	KD5KCZ
Dick Stimson	KK5XO
Milton Coleman	KD5FQT

Congratulations to all those Club members who have recently upgraded.

General:

Terry Deas KC5GDC
Charles Gawron KA8VKR
Steve Kuper KC5RYT
Dan Osborne K5ISN
Ed Price KA8NBG
Robyn Price KD5ISC
Rick Tasetano N5KLM
Lee Vaughn KA5WIS
Edith Vaughn KA5YPX
David Wolf KC5KJE
Mark Wyrick KC5ZBT
Dean Zimmerman KD5JDW

Extra:

A.C. Adams KA5WGV
Gary Carson KD5CPL

Bob Coxsey KM5GZ
Judy Johnson KM5QW
Carl Reed N5OQN
Justin Soliday KM5IA
Dick Stimson KK5XO
Ray Wilson W5TYR
Glenn Wolf N5RN (new call)
June Zimmerman KD5IYJ

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.

Board Meeting:

The May board meeting of the Edmond Amateur Radio Society was called to order at 7:30 P.M. by President Curtis Foote in the Edmond Community Center. Attending were: Curtis Foote, KC5GEP; Gail Foote, KC5YBO; Lee Vaughn, KA5WIS; Ken Snyder, N5TWC; Daniel Simpson, AC5TE; Dave Storey, K0TYC; Sherry Storey, KD5CPJ; Earnest Wolf, K5YKD; Clara B. Granger, KG5UG; Dee Mize, WD5FHR; David Wolf, KC5KJE; Ron McCubbin, KC5QCV; Gary Carson, KD5CFL; Pat Martin, KD5CPQ; Ed Price, KA8NBG and Robert Coxsey, KM5GZ (late arrival).

In the absence of the secretary, Gail Foote was appointed acting secretary.

The following reports were presented.

Officer Reports

Treasurer – Gary Carson presented a printed report that was approved as presented. Approval was also voted to reimburse Curtis Foote \$50 for expense incurred for field day in reservation of park pavilions.

Vice-President – David Wolf David asked for input about where to plan future dinner meetings. Field day supper was also discussed. The club will provide hamburger meat, hot dogs, and buns. Club members will be asked to bring side dishes. Clara Granger, Sherry Storey, Dee Mize and Ron McCubbin will be working with the field day dinner, but would appreciate more help.

Repeater Trustee - Dee Mize reported that everything seemed to be going well.

Emergency Coordinator – Curtis Foote reported that there is new, really impressive weather radar available in the EOC, which presents very current radar reports and will be very helpful when we are weather spotting.

Board Member – Lee Vaughn said that the next business meeting would be Sunday, May 21 at 2:30 P.M. at the Edmond Community Center. Jim Purpura from the Nation Weather Service will be presenting a storm spotting class to the club. Also, Elizabeth Green, of the OKC St. Patrick's Day parade had expressed her thanks to the club for our helping staging the parade. He also reminded the club that the 4th of July parade is coming up.

Committee Reports

Activity Committee – Dave Storey asked that approval be given for the purchase of a Carolina Windham antenna about 65'-75' long for use in Field Day. It would cost about \$60. That approval was voted.

Field Day – Ed Price -The club will meet about 8 A.M. for breakfast at Perkins Restaurant Saturday 25 June, then adjourn to the club station to move equipment and set up for Field Day. There will be an organizational meeting Thursday 11 May at 7P.M. at the club station. Ed will be making announcements about Field Day on the Monday night information net.

Audit Committee - Curtis Foote said that the audit is half-complete. One of the members had to quit and another member is needed to fill the committee.

HF – Ed Price reported that the Special Events Station in held in conjunction with the Vietnam Wall experience had 178 contacts and was 14 states short of 50. The station operated from 9 – 5 and had good feed back from the various contacts. Also the club has a small generator that needs some repair. Ken Snyder is to do some checking on that.

Clara Granger reported that Room 201 in the Community Center has been reserved for EARS board meetings, Room 222 for business meetings. It was decided not to meet in the church for any meeting but the Christmas meeting, which Clara will try to book for the second Saturday in

December. Also, approval for \$100 for food for Field day was voted.

It was suggested that Mitch Park possibly be used for Field Day 2001.

Club Station - The possibility of EARS becoming a 501(C)3 organization was discussed. Clara Granger said that she would ask her son about the feasibility of doing so. Lee Vaughn said that there have been people who would donate things to the club if they could do so for tax purposes.

CORA - Ron McCubbin said that he would notify Hal about the change of location of club meetings so that it would be correct in the meeting listing section of the C&E. Also the mobile ICOM display is no longer available. Ham Holiday will be July 28-29 in the Modern Living Building at the State Fairgrounds. Hours will be on Friday from 5-9 and Saturday from 8-5. Help will be needed from the EARS club for registration.

Membership - Jacket order forms were available as well as Field Day Flyers. Orders for jackets will be closed after the 3rd week of May. Several club members from last year have not renewed.

Calling Committee - A new roster for the club is needed. Every member should be called about club events, as some apparently do not always check their email. Also, the phone committee would appreciate some new members to help with contacting the club by phone.

Health and Welfare - Carl, KD5AW, Williams' son Michael passed away. Clifford, N5CSJ, Cooley's father died. Dee, WD5FHR, Mize's father, Lionel passed away April 26. Rick, Tasetano's wife Ruth has had surgery. Harold Hall had eye surgery and is doing well. Buford Ford's wife is doing well now.

Web page - Thanks was expressed to those who upkeep the page. It looks good.

Scholarship - No winner as yet, that is almost decided.

Net Control - Bob Coxsey said May and June operators are needed.

Old Business

Field Day Pins - 18 pins have been ordered in advance. A total of 25 pins will be ordered.

Vietnam Wall Experience - Thanks was given to the club for helping with the event. It seemed to go smoothly and was a moving experience for many who attended.

New Business

It was reported that the lock needs attention on the doors to the club station. Lee Vaughn said he would look into it. Also the question was brought up whether we could ask the city to change the building directory listing from Ham Operators to Edmond Amateur Radio Society.

There being no further business, the meeting was adjourned at 9 P.M.

Respectfully submitted,
Gail Foote, Acting Secretary

Future Activities:

The following will look familiar from last (and every) month. You're in the hottest weather so far this year, and here are some opportunities to check out how your radio does in the heat.

The EARS Emergency Net will NOT convene at 11:00 AM on Saturday the 3rd of June. The emergency net is being changed to a quarterly net in conjunction with the Monday Night Information Net.

The June Siren Test is the 3rd of June at high noon. The July Siren test is the 1st of July at noon. As of today this year, we haven't had the sirens blow for an emergency. 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? 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 check-ins 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 June 13th. We're in a different room from the Club station so there is plenty of room. Come and see how things get going in the club.

The June dinner meeting will be held at the EARS Field Day site on the evening of the 24th. Check the information net for details the menu. And speaking of Field Day-

Field Day will be in Hafer Park split between pavilions 2 and 5. That is the 24th and 25th of June. Plans have been made for the antennas and rigs. CW and Voice modes will be supported. The club made a pretty fair showing on score last year, and I sense that the crews will be trying harder this year to lead the division. There is plenty of opportunity to just come and visit, too. So whether you are a contester, or just a rag-chewer, plan on being at the site with us to enjoy the event.

The July 4th Parade is coming up next month. This is one of the biggest days for the club. There are opportunities to prep the parade, monitor the parade, guard fireworks, and see lots of fireworks close up. I hope to see you there helping David, Lee, and John serve our communities on this fun day.

de Curtis Foote, KC5GEP

The "Vietnam Wall Experience" A Traveling Exhibit Hosted by the Edmond Historical Society.

The "Vietnam Wall Experience", a traveling exhibit of the Vietnam Veterans' Memorial in Washington, D.C. will be in Edmond April 28-30th, 2000. Realizing that many people will never have the opportunity to visit the wall in Washington, D.C., the Edmond Historical Society is hosting this traveling replica commemorating the more than 58,000 American lives lost in Vietnam.

Since its dedication in 1982, the Vietnam Memorial in Washington, D.C. has offered millions of people the opportunity to reflect, remember and heal. The "Vietnam Experience" will be hosted by the Edmond Historical Society with the assistance of a variety of volunteers, civic clubs, and local Edmond businesses.

This traveling exhibit will be displayed in Edmond's Mitch Park located on Covell between Kelley and Santa Fe. The exhibit is a 240-foot replica of the original in Washington, D.C.. The replica has simulated the granite surface to look and feel like the black Indian granite used for the memorial in Washington. The process of inscribing the more than 58,000 names is the same sandblasting process used to create the original.

The "Vietnam Wall Experience" will include a number of ceremonies and activities during the three-day event. Visitors to the Wall are invited to make rubbings of the names of their lost loved ones. There will be a computer station set up and staffed with volunteers 24 hours a day during this event to assist in locating specific names for visitors. It is expected that tens of thousands of people will visit the exhibit during its three-day stay in Edmond.

EARS came through in grand style in this event. Club members worked in 5-hour shifts of 3 people per shift. This schedule was maintained from 8 am to 10 p.m. for 4 days. Quite an accomplishment! Very well done club members. Great insight and, as always, super teamwork and anticipation of what to do and how to do it.

Club members working the Vietnam Wall were as follows: Mike-KB5HXT, Larry-N5OL, John-WB5SYT, Ron-KC5QCV, Edith-KA5YPX, Charles-KA8VVR, Curtis-KC5GEP, Lee-KA5WIS, Robyn-KD5ISC, Sara-KD5GDF, Nick-KD5IPA, Don-N5KLI, Pat-KD5CPQ, Tom-KD5IOY, Kathryn-KD5IOX, Dirk-KC5SFE, Philip-KD5JSA, Bob-KM5GZ, David-KC5KJE, Sharon-KM5GV, Rick-N5KLM, Andrew-KD5IOZ, Fred-KD5IOW, Earnie-K5YKD, Don-NO5M, Clara-KG5UG, Everett-KD5IPB, and Keith-KC5TPC.

Some of the on-site activities by club members included locating names on the wall via computer or by hand. Operating vehicles to shuttle visitors to the wall from the parking lot, distributing brochures, answering questions, helping move equipment and materials, finding misplaced cars, helping get needed refreshments, as well as a smile or a pat on the back.

The club had an HF Special Event station on Saturday, April 29 to commemorate the "wall" being in Edmond. As promoted by QST, the club used special event call W5W to work approximately 180 stations including 36 states and several DX stations. The QSL cards have been coming in since shortly after the special event to request the event certificate. Ed, KA8NBG club HF coordinator is coordinating the wrap-up of our special event station.

73 de John-WB5SYT

Scholarship:

Ears received several outstanding applications for scholarships this year. It was a tough decision to make. A very big thank you goes out to our independent Review Committee members, Aliene Wherry, Karen Wilson, and Chuck Davis. They really had their work cut out for them.

The Scholarship recipient for 200 is Jonathan Goolsby! Jonathan is a May graduate of Edmond North High School. He has chosen Business as his field of study and one day plans to open his own business. His many extra curricular activities include Fellowship of Christian Athletes, Student Council, Varsity Basketball, Spanish Club, and Mu Alpha

Theta. Jonathan is an excellent student graduating in the top 15% of his class.

It is with pleasure that EARS and the University of Central Oklahoma Foundation present Jonathan with this year's \$1000 scholarship. Congratulations Jonathan!

Health & Welfare

We wish to extend our deepest sympathy to Joyce, KC5NBI and David, KC5KJE Wolf and family in the loss of Joyce's grandfather, Mr. Arthur Nicholas. He passed away May 21, with funeral services being held on May 23. We want Joyce and family to know that we share your loss. May many fond memories of your loved one, your strong faith and our thoughts and prayers help you during this difficult time. God Bless and Keep You.

I hope all goes well with the rest of our club members and their families.

Here is wishing all the Dad's a most enjoyable Happy Father's Day 2000!

73 de Clara-KG5UG

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 Y2K, Special Event stations, parades, contests, storm spotting, siren tests, meals, tailgate swap-fests, Monday Night Information Nets, practice Emergency nets, Vietnam Memorial Wall commemoration, 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 up in the next few months, and therefore, come of our biggest opportunities. I hope everyone will come out and enjoy these events.

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



VHF Club

NEWS

W5LOW

Elmer Goekler Memorial
Station

The Central Oklahoma VHF ARC held the May 10, 2000 meeting @ Hometown Buffet, 3900 N.W. 63rd. Meeting was called to order by Bill, WA5FWD @ 1130 with 15 present. Treasurers' report was given and approved. Minutes of the April meeting were approved along with proper chastisement of the club secretary for getting wrong all that jazz about bringing boat anchors to the wrong meeting. Anyway, boat anchors were brought and exchanged and some wondrous things were seen. Some must have had exceptional value considering how reluctant some new owners were to share info on their newly acquired treasures.

Gene, KASNT, gave a really nice informational presentation on the availability of jackets for club members, with a large logo on the back and appropriate lettering and stuff on front.

Upon adjournment, some of us headed for the counter to get a good dessert.

Respectfully, J. R., KB5WVE

Worth passing on

Boy how things have changed! "I was talking to my Dad about current events the other night. I asked him what he thought about the shootings at schools, our immoral President, the computer age and just things in general."

He replied: "Gee, let me think a minute.... I was born before television, penicillin,

polio shots, frozen foods, Xerox, contact lenses, Frisbees and the Pill. There weren't things like radar, credit cards, laser beams or ballpoint pens. Man had not invented pantyhose, dishwashers, clothes dryers, electric blankets, air conditioners and he hadn't walked on the moon. Your Mom and I got married first then lived together.

Every family had a father and a mother, and every kid over 14 had a rifle that his dad taught him how to use and respect. Until I was 25, I called every man older than me 'sir'; and after I turned 25, I still called policemen and every man with a title, 'sir.' "In our time, closets were for clothes, not for 'coming out of.' Sunday's were set aside for going to church as a family, helping those in need, and just visiting with your neighbors. We were before gay-rights, computer-dating, dual careers, day-care centers, and group therapy. "Our lives were governed by the Ten Commandments, good judgment and common sense. We were taught to know the difference between right and wrong, and to stand up and take responsibility for your actions.

Serving your country was a privilege, living here was a bigger privilege. "We thought fast food was what you ate during Lent. Having a meaningful relationship meant getting along with your cousins. Draft dodgers were people who closed their front doors when the evening breeze started.

And time-sharing meant time the family spent together in the evenings and weekends-not condominiums. "We never heard of FM radio, tape decks, CD's, electric typewriters, artificial hearts, word processors, yogurt or guys wearing ear rings. We listened to the 'big bands', Jack Benny and the President's speeches on the radio. I don't ever remember any kid blowing his brains out listening to Tommy

Dorsey. "If you saw anything with 'Made in Japan' on it, it was junk. The term 'making out' referred to how you did on your school exam. Pizza's, McDonald's and instant coffee were unheard of. We had 5 and 10-cent stores where you could actually buy

things for 5 and 10 cents. Ice cream cones, phone calls, rides on a streetcar, and a Pepsi were all a nickel.

And if you didn't want to 'splurge,' you could spend your nickel on enough stamps to mail a letter and two postcards. You could buy a new Chevy Coupe for \$600, but who could afford one. Too bad, because gas was 11 cents a gallon. "In my day 'grass' was mowed, 'coke' was a cold drink, 'pot' was something your mother cooked in, and 'rock music' was your grandmother's lullaby.

Aids' were helpers in the Principal's office, a 'chip' meant a piece of wood, 'hardware' was found in a hardware store and software wasn't even a word." "We were not before the difference between the sexes was discovered, but we were surely before the sex change, 'Billy' having two mommy's, and pornography in a family home and at newsstands. And we were the last generation that was so dumb as to think you needed a husband to have a baby.

No wonder people today call us old and confused, and there is such a generation gap. And I'm only 53!!!"did you dig that, Son?0

Government: No Internet Tax

It's finally time to write "the end" to a long running cyberspace rumor that the government was trying to tax the Internet. It will not happen now and possibly never will after the House of Representatives approves another five-year extension of the moratorium on taxes that target the Internet.

The measure quickly cleared a House committee even though the current moratorium does not end until October 2001. The House Judiciary Committee rushed through the extension bill without any hearings and over the complaints of state and local politicians who complain that Congress is ignoring the central issue of how state sales taxes apply to electronic commerce.

But that's not all. The House is also expected to move very quickly on bills aimed at permanently prohibiting any tax on Internet access. It also wants to repeal the 3 percent telephone excise tax now in place.

(Published news reports)

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

Feel free to browse and drop us a note...
w5okt@arrl.net

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

Meeting Town--Woodward, Ok.

Place-Northwest Electric Building

Time--7:00-7:30PM is social and fellowship 1/2 hour

7:30-9:00PM is the regular meeting of T-SARG

June:

1. RELAY FOR LIFE: The16th at 7pm through the18th 7am at the Woodward High School football field.

2. ARRL FIELD DAY: 24th & 25th. At Gage, Ok.

July:

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

August:

1. Ice Cream Social. 12th at Christal Beach. If snowed out, the 19th.

September:

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

2. St. Jude Bike-a-Thon: Will be held at Mooreland Grade School the16th from 9:00AM - Finish.

Talkin on 147.36+ with 88.5 tone.

It is a bike ride (fundraiser) to support St Jude Children's Hospital, Memphis, TN, for cancer research and care. If your child is interested in riding contact Gerald for sign up and sponsor sheets. Event coordinator Gerald Bowman, W5OKT (580) 994-6118 or w5aok@pldi.net
The 23rd will be back up day if 16th is rainy.

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

November:

1. Election of Officers: for 2001.

December:

1. Christmas Party: Our annual party will be held Thursday the14th at 6:30PM. Regular meeting place.

We will arrive around 6:30 for set up. For information contact Jim Hand 580-994-6118 or nw5ok@pldi.net

TRI-STATE AMATEUR RADIO GROUP

REGULAR MEETING May 11, 2000

1. Welcome: Jim NW5OK

2. Sec/Treas. report: Gerald Bowman W5AOK

Discussion of NOAA antenna charges.

3. Old business: ALL MEMBERS, ??????????

CORA news & such. Packet Radio, any future?

4. New business: ALL MEMBERS, ??????????

5. Yearly planning: Ballon Launch canceled.

RELAY FOR LIFE: The16th at 7pm through the17th of June @ 7am at the Woodward High School football field.

ARRL Field Day to be held at Gage, Ok. June 24 - 25.

6. NOAA WX & repeater reports: Bill Wyatt N5WO & Jay Kruckenberg K5GUD

7. Wouff Hong: Gerald Bowman W5AOK

8. Closing comments: EVERYONE

9. Closing statement: Jim NW5OK
See ya at Braum's after the meeting!

Is Anybody Listening?

Jerome Doerrie, K5IS

k5is@hotmail.com

Tri-State Amateur Radio Group

There are things that we as hams radio operators do that do not make any sense to "misfortunate" people that are non-hams. It takes a ham to understand a ham. Out of the mystery of creation comes a fascination with hearing radio signals from faraway places and making contacts.

"Do you hear me? I hear you. Please QSL," is our creed.

For us hams, we transcend the limitations of the human body and reach out into the universe by the magic of radio. We understand the joy of pulling radio signals out of the noise and completing the contact! Non-hams ridicule us by saying we are crazy for listening to all the noise.

It is a shame that they have such a limited capacity for joy.

When as a 10 years old making the first attempt at setting a fine wire "cat whisker" onto the surface of a chunk of galena crystal while listening with a telephone ear-piece held with one hand, lots of noise will be heard. In borrowing the telephone ear-piece it was necessary to hang a hammer on the hook so that the operator would not be alerted. The sensitive spot on the galena is tricky to find and takes many minutes. Any movement within the house can disturb the contact point and the crystal set will go dead. However, when everything is adjusted and the faint music or announcer's voice is heard there is a joy that compensates for the frustrations. Thus in 1920, John Kraus developed a passion for listening that carried him in to amateur radio.

As a lad in high school, before there was a FCC, John became a ham. His first call sign was 8AFJ. Prefixes would be assigned a few years in the future. His radio activities influenced his decision to major in engineering and physics in college at the University of Michigan. While in college he took the ham examinations and became W8JK. Over the years he has written over 150 magazine articles and six books. This article is to introduce his autobiographical BIG EAR TWO (1995) which is a collection of stories about the major events in his life. The stories range from the sublime, to the ridiculous, to the funny and unfortunately, the sad.

After WWII space at the university as at a premium and the only spot to be found for an antenna workroom was in the attic above the college-broadcasting studio. A few boards were placed across the rafters for a makeshift floor and one had to climb up and down a ladder. This more-or-less worked out until the day that a rather large VIP was visiting the lab and stepped back to better view an antenna. The live broadcast occurring below was interrupted as he crashed through the ceiling and landed upon desk and announcers! (Imagine what the listeners heard!) Shortly after that, John had access to a better laboratory situation.

Sometimes there is something in the tone of voice in which an answer is given that makes you decide to test it for yourself.

An expert had lectured at the University Of Ohio on traveling wave tubes, which have a helix (coil) inside. John asked the speaker if he thought that a helix might work as an antenna. The speaker replied that he had tried it and that no, it would not work. "The finality of his statement got me thinking. ...I theorized that if a helix were as large as one wavelength in circumference, it would have to radiate in some fashion or other. Just how I had no idea, but I wanted to try. ...The (home) workbench in the basement was hidden behind sheets, tablecloths, shirts, and underwear. I ducked and dodged through the white forest and put the oscillator on the workbench." John made a helix antenna for testing and for receiving a little dipole (bow tie shaped) antenna about 5 centimeters long with a crystal diode soldered to the center and connected to a pair of headphones, and fastened the dipole to the end of a long wooden dowel rod. "There was some radiation because when I brought the little bow-tie close to the helix, I could hear a distinct 60-hertz hum in the phones on my head. After probing along one side of the helix for a while, I decided to probe along the other side to see if both sides behaved the same. As I moved the probe to do this, the bow-tie passed near the open end of the helix. Z-o-o-m, my headphone rattled!" Almost by pure accident, John discovered that the helix is an end fire antenna and that the polarization is circular.

John had an interest in hearing "noise" from the sun. The attempts that were made as a college student had failed to detect anything solar. A new attempt was made by using an array of dipole antennas. This, too, was unsuccessful. Success often comes from being in the right place at the right time and using the right equipment. John decided to try another antenna. He began assembling an array of six helix or "corkscrew" antennas mounted two wide and three long. Each antenna was a coil of wire about six feet in length and the turns of wire were about a foot in diameter. The framework was leaned up against the side of a building and anyone who came too close was asked to help with the

construction. A local journalist wondered by and walked too close. He dubbed this antenna "The Big Ear" in an article that he wrote about his experiences in helping build the antenna.

This antenna was "good enough" to hear sun noise. It became the third radio telescope in the United States in 1953. This array was expanded to 12, then 24, then 48, and finally ended as a 96-helix array.

Hams know that when "hi" is heard on Morse code it means laughter. On October 4, 1957 a cannon ball went circling the earth sending "hi...hi..." with a Russian accent. Sputnik 1 was in orbit and the Russians were laughing at us. Numerous telephone calls came to John Kraus seeking information about this event. "I asked a caller from France why he had called me?" "Mr. Kraus, in France you are a famous person!"

The 96 helix was replaced with a reflector array that needed 20 acres, "more-or-less." With this bigger radio telescope many more discoveries were made. For me, the most interesting is the reception of a signal that may have come from space. The operator wrote in the margin of the chart recording "WOW!" The signal was not heard again. This antenna can not continue to search for a repeat signal. Unfortunately this antenna was constructed on leased property.

Why would anyone want to listen to noise? The lease ended and "The Big Ear" is QRT. Some think the land is being put to better use. If you are ever in Delaware, Ohio, you can play a round of golf where "The Big Ear" once stood.

You can read the gory details in BIG EAR TWO, 370 pages, hard back, \$24.95, From Cygnus-Quasar Books, POB 85, Powell, Ohio, 43065. Clubs need to purchase and encourage their members to read this book.

Is anybody listening? We hams follow our passions and listen to noise. Some of us are into amateur radio astronomy. For more information go to the web. Check out the Association of Amateur Radio Astronomers at <http://www.bambi.net/sara.html> and for information on the Search for Extraterrestrial

Intelligence check out
<http://www.setileague.org/>.

We all owe a debt of gratitude to John Kraus, W8JK, for he teaches us how to follow our radio passions and build better antennas.

ENFORCEMENT: UK HAM FINED FOR THE WRONG WORDS

Meantime on the other side of the Atlantic, a United Kingdom ham has been fined for using what a British court deemed to be the wrong kind of language on that nations ham radio airwaves. Jeramy Boot, G4NJH, reports from Nottingham in the U.K.

We have received the following news from the Radiocommunications Agency, concerning the action taken resulting from the use of offensive language on repeaters. It reads: "Keith Jerney, 45, of Clicket End, Basildon, has been convicted of using offensive language while communicating across two south-east counties.

"On the 20th of April, Basildon Magistrates' Court was told that, after many complaints about the use of offensive language over both the Kent and Essex amateur repeater stations, Radiocommunications Agency officers and two police officers entered the home of Keith Jerney last August and removed radio transmitting equipment.

"Mr. Jerney, whose amateur radio callsign is G7WCM, denied the offence of using apparatus for wireless telegraphy contrary to the conditions of his amateur radio licence. The Court found him guilty and fined him £75. He also denied using offensive language while transmitting, but the Court found him guilty and fined him £25. He was also ordered to pay £50 costs.

Jeramy Boot, G4NJH.

What makes this case even more interesting is who brought the matter to authorities. It was the Radio Society of Great Britain lodged the original complaints against G7WCM. (G4NJH)

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Just
for the
Fun of It!

OKlahoma DX Association

From Da'Prez

By LARRY SHIMA, WØPAN

I want to thank all the participants in this year's **OKDXA Y2K COMPETITION**. This was a first time venture on our part to test the waters for an annual "not-out-for-blood" event that can be enjoyed on a leisurely basis. A number of participants have suggested we cut the time frame down so next year's version, if we decide to have one, will be shorter.

The highest overall point total came from Wyndell Walker, **W5TZN** of Ada who won a Lifetime Membership in the OKDXA plus an OKDXA Hat and T-Shirt as top score in the DXCC over 150 and Power 125 watts or less classes. Coy Day, **N5OK** was the winner of the DXCC over 150 and Power over 125 watts class. No entries were received in the other two classes.

The participants who submitted logs were:

Wyndell Walker, W5TZN	2,030 pts
Coy Day, N5OK	1,086 pts
Jerry Chouinard, K5YAA	783 pts
Cliff Sikes, N5UW	660 pts
Alan Clark, N5PA	492 pts
Bruce Burnette, W5PX	296 pts
Larry Shima, WØPAN	176 pts
Bill Clark, W5VW	161 pts

I know I had fun on 10 Meters and worked some great DX. Whether you entered or not, I hope you were able to do the same!

THE ANNUAL OKDXA BANQUET THIS YEAR WILL BE A PICNIC HELD IN THE OKLAHOMA CITY METRO AREA ON OR ABOUT SATURDAY, SEPTEMBER 23rd. No formal program is planned, just shooting the breeze about the ones that got away and enjoying the camaraderie with active members of the OKDXA. Reserve the date and we will have more later as to where and specifics. Rumor has it that a couple of the members will do the cooking of hamburgers, hot dogs, and chicken. It should be a pleasant way to spend the time, but we have some serious business to consider before then:

OKDXA CONSTITUTION CHANGES
I've been involved in a few conversations recently regarding minor changes in the Association's constitution and the way we elect our officers. Why make any changes?

One consideration involves the current one-year office terms that seem to go by so fast they might limit some opportunities to innovate. A two-year term could give an officeholder more of a chance to become acquainted with the membership and make it easier to 'Elmer' the ongoing projects. Additionally, by putting half the offices up for annual election on a rotating basis instead of electing all of our officers every year, this could give new officers a better sense of continuity by working with those who have been on board for at least a year. Having Directors serve the same term as the President can also give more stability to the organizational structure. The intent is an election sequence that promotes a smooth transition from year to year and with each group of new officers.

With all this in mind, our constitution requires at least 30 days written notice of changes to the Articles or By-Laws. After discussion with a number of members and approval by the Board of Directors, we plan to submit the following changes for a formal vote by the membership. This will be done at our next meeting to be held at Ham Holiday 2000 in Oklahoma City on Saturday, July 29, 2000:

The following changes to the Constitution of the Oklahoma DX Association will be presented for approval at our next meeting. The proposed changes are in Underlined & Bold print. PLEASE READ THEM CAREFULLY BEFORE THE MEETING!

ARTICLE IV – OFFICERS

Section I – The elected officers of this organization shall consist of a president, a vice-president of administration, a vice-president of activities, and a secretary / treasurer. These officers shall serve for a term of two years until their successors are elected and duly qualified. Officers may only serve for one additional successive term.

Section II – The officers of this organization shall be elected annually at the Oklahoma City Ham Holiday meeting. Election shall be by majority of the votes cast. The president and vice-president of activities will be elected to a one year term in the year 2000, and the vice-

president of administration and secretary / treasurer to a two year term in the year 2000. In subsequent years, the officers up for election will be elected to two year terms.

Note: It is the intent of this section that half of the association officers be elected each year to add continuity to the organization.

ARTICLE V – BOARD OF DIRECTORS

Section II – Members of the Board of Directors shall consist of the regularly elected officers of the organization and five members appointed by the president to ensure that each of the 5 major areas of the state are represented (northwest, northeast, southeast, southwest, and central) as defined by Interstate Highways I-35, I-40, and a 30 mile radius from downtown Oklahoma City. Terms of directors coincide with the president's term in office (two years).

Those present for this vote at the Ham Holiday 2000 HamFest shall be considered a quorum provided a majority of the board of directors is present. Otherwise, a simple majority of all full members must be present. The current membership is 68.

The constitution may be amended by a two-thirds vote at an announced business meeting, provided that the membership has been notified in writing, not less than thirty days in advance of the proposed changes, which gives members ample time to give the amendments due consideration.

And, let's not forget we are still looking for candidate nominees! I have appointed two OKDXA Members as the nominating committee to beat the bushes for a slate of candidates at the July Meeting: Coy Day, **N5OK** and Ed Gilliland, **W5TM**. If you are interested in serving as an officer of the OKDXA, please contact either Coy or Ed as soon as possible.

That's it for this month! Have a safe and fun filled summer. 73 and Good DX'ing.

— WØPAN

Secretary / Treasurer Report

By JERRY CHOINARD, K5YAA

Very quiet on this side, nothing new to report this month.

— K5YAA

From Da'Editor

By NELSON DERKS, AC5UP

Sharp-Eyed readers will note your obedient Newsletter Editor is now sporting a new call, 'Always Call Five Up'. Despite reports of better than 14,000 Hams upgrading to General and another 11,000 moving to Extra in the latter part of April, I was able to get both the upgrade and call change in a little over two weeks. The ARRL was absolutely swamped, but I got lucky at a W5YI session. Things should be back to normal by now. One thing I did notice is that it takes several days for the FCC data to make it to the popular Ham web sites. If you're willing to plow through the ULS menus at <http://www.fcc.gov> you can save a few days, but the search engine takes a little practice to get used to.

As I write this, the Dayton Hamvention has just concluded and the highlights are: Attendance was reported at 30,000 which is down somewhat from previous years and the all-time peak of near 40,000. The major manufacturers have been busy and preview versions of several new rigs were put to the OM Finger Test. Kenwood was showing a compact all-mode, all-band rig which set a new high water mark for band coverage: 160 Meters through 1296 MHz. I suspect this will fill the needs of most Hams, but you know how we are about mods. Add a port to modulate an external laser or audio oscillator and then you'll really have 'all-band' coverage. The radio will be sold in two flavors; a conventional box for base station use and a remote control head version for mobile and custom installations. ICOM showed their new IC-718 HF rig intended for Hams on a budget with a street price in the \$700 range along with the new IC-756 PRO that has been getting rave reviews on eHam. Ten-Tec has been doing quite well with their Pegasus computer-controlled HF rig and now adds the Pegasus-FP to the line. Same basic features and working parts, but with an LCD front panel that makes it a self contained rig in a very small package. Yaesu showed their updated FT-1000MP "Mark V" featuring the latest in DSP and 200 watts to drive your 4CXINFINITY above and beyond the call of duty. ⇒ ⇒

It sounds like the Ham traditions continue: Dayton retains its status as the HamFest of epic proportions. The new rigs grow smaller and more versatile as your eyesight goes in the opposite direction. And... AC5UP didn't go. <sigh!>

In other news, Riley Hollingsworth of the FCC released a reminder in May that voice ID's should be made in 'plain English, not phonetics' to be perfectly legal. A week later he reversed his position as Part 97 encourages phonetics for accuracy under marginal band conditions. We all have our moments. It reminded me of the first time I worked a W1 from New Hampshire with a pronounced 'Down Eastern' accent and it took three tries before I figured out that 'Ahhh' means 'R' to the rest of us.

In other news of the weird, PBS ran a pretty good program in late May about the battles between Edison and Westinghouse over whether municipal power grids would be AC or DC. Like today, there was no shortage of technical misinformation back then. If you get a chance to catch the show in re-run, I recommend it. Especially for the references to Nicola Tesla, whom I believe was well ahead of his time. PBS also ran an excellent show on solar flares and power interruptions that's worth catching. If you're looking for a little DX Comedy, the next time you work a VE with the name 'Joe', say something like: "Your name is Joe and you're a Canadian... Ehhh?" If you haven't seen them, Molson Breweries is running TV ads based on Canadian pride that include lines like: "I don't live in an igloo, and 'about' isn't a word, it's what I wear on my foot!" You'll find more snappy phrases at <http://www.iam.ca/homeref.html>. I love this hobby... I really do! — AC5UP

PS: Mulder is abducted, Scully is pregnant, and The Smoking Man is dead. (again?) Geez, what a way to end the season!



Daddy's Little (?) QRO Baby!

OPDX Bulletin - Internet Edition

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

3W, VIETNAM

Mal, VK6LC will be operating from his apartment in the Port of Vung Tau as 3W2LC. His new assignment in Vietnam will be for 6 months until November 2000. Mal states, "I will not be able to process any VK9RS Video requests or QSL's until my return in November. For those who have mailed and have missed me, they will have to wait, and your mail order will be returned or processed between visits back to Australia."

4W, EAST TIMOR

Activity continues from this new entity. Antonio, CT1EGH seems to be the most active one as 4W6GH. He can usually be found on 15 Meters SSB between 1300-1600z and as late as 1830z. Thor, TF1MM / 4W6MM has been active on 15 Meters CW & SSB around the same time and maybe later. 4W6UN was active on the 14245 DX net around 1630z.

9M2, WEST MALAYSIA IOTA DXPEDITION

Following his successful DXpeditions to AS-097 and AS-072 in 1998 and 1999, Keith Kerr, GM4YXI will be active as 9M2/GM4YXI during June. Activity will be from Pulau Babi Besar (AS-046), most likely on June 10/11th, with other activity possible on June 3/4th and 17/18th from Pulau Ketam (AS-074), or AS-097. He plans to operate on 20 / 15 / 12 / 10 Meters CW & SSB only on the IOTA frequencies. For more information and updates check the Web page at: <http://www.gm7v.com>

E4, PALESTINE

Miro, S51GL is preparing a DXpedition to put Palestine on the digital modes this fall. He hopes "to motivate the students at the Gaza college, E44DX, to do the same as they have the basics of Ham Radio and it will be a compliment to their education." Other goals are operating the WARC and 50 MHz bands, and promoting friendship between Palestine, H. K. of Jordan, Lebanon, and Slovenia with the world. He would like to help upgrade the E44DX Radio Club station with an HF Yagi and a small linear amplifier. For more info, visit Miro's page at: <http://www.qsl.net/s51gl/>

FK, NEW CALEDONIA

Nine members of the broadcast network JNN (Japan News Network) will be active as TX8JNN for one week between June 29th and July 5th. The group will be active on 160-6 Meters using CW / SSB / RTTY

/ PSK31 and AO-10. QSL to JA1EOD, Akira Iizuka, P.O.Box 8, Okegawa, Saitama 363-8691, JAPAN.

FR/G, GLORIOSO ISLAND

Henri, FR5ZQ now signing FR5ZQ/G has been active on 20, 15 & 10 Meters, mostly SSB, but has been spotted on 15 Meters CW. Listen for him after 0300z. Reports indicate he will be there until June 15th. QSL via his home callsign.

GM, WESTERN SCOTLAND ISLES TRIP "2000"

Colin, GMØCLN and GMØBWU are planning a holiday to some of Scotland's Western Isles this July. Every effort will be made to be QRV on, or near, the usual IOTA/IOSA frequencies +/- QRM. Watch the IOSA web pages for updates nearer the time of operation.

KH5K & KH5, KINGMAN REEF AND PALMYRA ATOLL

The Kingman-Palmyra DX Group will activate two rare Pacific entities: Kingman Reef (KH5K) and Palmyra Atoll (KH5) this year. Both sit high on many "Most-Wanted Lists" with Kingman currently at #3 in Europe. The activation will occur in several phases over this summer and fall. Located about 1000 miles south of Hawaii, Palmyra Atoll is privately owned and in the process of being sold. This presents a DXpedition opportunity. Operations must be coordinated among all parties to the transaction and there will be temporarily enhanced access to the area. Accordingly, several moderate-scale operations at Palmyra are planned over the next few months by elements of the team on a flexible schedule. Equipment is already on its way in preparation for these operations. The culmination of the plan will be a full-scale, 10-band activation of Kingman Reef by October of 2000. Stay tuned for more!

FR/T, TROMELIN

French operators Gil, F5NOD; Eric, F5PXT; Laurent, F5PYI and Erwann, F6JJX announce the schedule for their Tromelin DXpedition and FR/Tromelin Web site at: <http://perso.easynet.fr/~f6jjx/> The team leaves France for Reunion Island on July 29th then on to Tromelin on the 31st with "maybe one station on the air by that evening." They will operate 3 stations until August 16th. No call sign announced.

FK, LIGHTHOUSE ACTIVITY

Listen for FK8HC, FK8HW and FK8GM to activate the Amedee Lighthouse August

19th and 20th during the International Lighthouse weekend. This lighthouse and island is also good for one of the DIFO's of New Caledonia.

JW, SVALBARD ISLAND

The Modum Group of NRRL and a local Ham Group (LA7M) is arranging a one week trip (with 30 people) to the Russian area of the Svalbard Islands July 6-13th. They plan to operate from three different QTH's and glacier/arctic wilderness areas. (Barentsburg, Pyramiden, and Ice Lake) Participants will experience the great Arctic nature near the North Pole and the expedition staff will carry weapons in the wilderness against polar bear attacks. The primary call will be JW7M but there may be participants using a CEPT license and operate as JW/homecall (More details to follow). If you are interested in being a participant you need to act fast, no later than June 1st. For more information e-mail to: dxpedition2000@dxpedition.org If you are interested in joining the DXpedition, visit: <http://www.dxpedition.org>

Note: Polar Bears? About ten years ago I bought a 24 ounce can of Polar Bear Repellent from a door-to-door salesman and sprayed it along my fence line. It really works, as I've NEVER seen a Polar Bear near my QTH in Broken Arrow! — AC5UP

KC4, ANTARCTICA

"The 59(9) DXReport" states that Bert, WA1O will be here in November as part of the International Trans-Antarctic Science Expedition. He will operate from temporary camps for 3-4 days each along the route for QSO's during his spare time. Listen for KC4/WA1O.

KL7, ALASKA (New USI activation!)

In honor of the Canadian / American servicemen and women who served in the Aleutians, station KL7USI will be active from the Museum of the Aleutians on Unalaska Island, Alaska (AK-005S and NA-059) on November 24th and possibly the 25th. Also listen for a "new one" (AK-NEW) for the "United States Island" award to be active for 24 hours only on November 26th. Listen on 28460 kHz (primary) and 14260 kHz (secondary) for both operations. QSL via KL7JR. For news about the USI program, visit: <http://www.eng.mu.edu/~usi>

LZ, BULGARIA

Berkin, TA3J and his XYL Nilay Mine, TA3YJ (the YM3LZ contest team) will be

active June 6-13th as LZ/TA3J and LZ/TA3YJ. Activity will be SSB on 160 / 80 / 40 / 20 / 15 / 10 / 2 Meters and 70 cm. QSL via home calls, to the TA bureau or direct to: TA3J - Berkin AYDOGMUS, P.O. Box 987, 35214 Izmir - TURKEY (ta3j@yahoo.com) or TA3YJ - Nilay Mine AYDOGMUS, P.O. Box 876, 35214 Izmir - TURKEY (ta3yj@yahoo.com) Visit their Web page at: <http://on.to/ta3yj-ta3j>

SV9, CRETE

Walt, G3NYY; Tim, G4VXE; Dave, G4FRE/WW2R; and Meg, G7FRE (YL) will be active as SV9/homecall from EU-015 between June 9-16th. Activity will be PSK31, RTTY, SSTV, Heil, and CW on 160-6 Meters with some SSB on 50 MHz only. QSL SV9/G3NYY via G3NYY, SV9/G4VXE via G3SWH, SV9/G4FRE via WW2R, SV9/G7FRE via N2NQL.

TP2000, FRANCE

Listen for the "Council of Europe RC" to be active June 9-11th as TP2000CE on CW, SSB and RTTY. QSL via F6FQK.

VK, AUSTRALIA

"The 59(9) DXReport" states that Peter, VK8PW will operate from Myra Camp in Arnhem Land, a special Trust Territory in VK8-Land, starting May 16th thru early September signing as VK8PW/8. Listen on 20-10 Meters SSB, QSL via VK8PW.

VP6, PITCAIRN ISLAND

"The 59(9) DXReport" claims that thanks to SMIRK (Six Meter International Radio Klub) Jukka, VP6BR will leave his 6 Meter gear with Tom, VP6TC to provide a presence on the band.

If you missed VP6BR, you may have another shot to work this island. Mike, KM9D is currently on a sailing trip to Easter Island and plans to travel farther to Oceania where he hopes to operate from Pitcairn Island. QSL via OM2SA.

XV7, VIETNAM

Rolf, SM5MX will be in Hanoi to reactivate his call XV7SW from June 11th to 19th and will participate in the All Asian Contest (CW). He is the last active XV station on CW as 3W calls are now being issued. QSL via SM3CXS.

ZD9, TRISTAN DA CUNHA

Bob Henderson, G3ZEM will mount a CW operation from here in September of 2000. Tristan is listed #29 in the DX Magazine's 1999 most wanted list. Bob and his XYL

Karen will fly to Capetown at the end of August where they will join the Antarctic survey vessel "SA Agulhas" due to arrive on Tristan da Cunha by September 4th. Operation is planned for a 20-day period using CW only on all bands from 160 thru 10 Meters. Yagis will be used on 20-10 Meters with verticals on the lower bands. The trip is not 100% DXpedition although high activity levels are promised. Call and QSL information will be published later.

IOTA NEWS

AS-041 Takeshi, JI3DST/7N3UXO will be active in the IOTA Contest from Oki Archipelago (Oki-Gun Shimane), June 29-31st. Activity will be on 40/15/10 Meters SSB using the call JI3DST/4. QSL via the JARL Bureau or direct to: Takeshi Funaki, 2-18-26 Hannan-cho Abeno-ku Osaka-city, OSAKA 545-0021 JAPAN (Please don't send USD)

EU-006 The WestNet / Saltee Dog DX Group will be active from Inis Meain in the Aran Island Group from June 22-26th inclusive. The call will be **EJ7NET**. QSL via EI6FR.

EU-008 GM3COB, GM3NIG, GM3UTQ, GM4FDM, GM4YMA, GM0NAI, GM0UKZ and 2M1EDM will be active as **GM5V** from The Island of Gigha during the IOTA Contest. Outside of the contest they will use the call **GM5VG/P** on all bands with 400 watts of SSB, CW, RTTY, & PSK31. The QSL route is via GM3UTQ (both call signs).

EU-008 A team from the Cockenzie & Port Seton Amateur Radio Club (C&PS ARC) will operate from the Isle of Tiree (IOSA NH04, WAB NM04) the most westerly of the Inner Hebridean Islands during the RSGB IOTA (Islands on the Air) contest, July 29th & 30th as **GM2T**. QSL via Fred, GM0ALS. Listen for them on or near the usual IOTA frequencies. <http://www.btinternet.com/~john.innes/cpsarc/iota.htm> for details.

EU-010 Jim, MM0BQI will operate from Benbecula, Outer Hebrides (IOSA OH4) July 27-31st as **MM0BQI/P**. Listen for him to be active during the IOTA contest See QSL info below (EU-092).

EU-012 The GM7V Multi-Multi team will be operational as **GS2MP** from Shetland (a separate multiplier from GM) for the CQ WW Phone Contest in October.

For more details, visit their Web page at: <http://www.gm7v.com>

EU-038 Members of the UBA Radio Club (ON4NOK) and "Radioclub Kempen KAR (PI4KAR) will be active before and during the IOTA Contest using the call **PA6TEX** (confirmed) from Texel Island. QSL via ON4ALW: Ronald "Ron" Van Aken, Kapelstraat 5., 2330 Merksplas, Belgium (or via UBA Bureau).

EU-067 Phil, G3SWH will be active as **SV8/G3SWH** from the island of Mykonos June 14-21st. This will be a holiday operation with a few hours of activity in the mornings and late afternoons (local time). Phil will run 'CW only' on all bands between 40 and 10 Meters. QSL via G3SWH direct or via the RSGB bureau. Phil states, "I will not QSL new QSO's on bands marked in the log as previously confirmed."

EU-092 Jim, MM0BQI will operate from Summer Isles (IOSA SC 10) June 16-18th as **MM0BQI/P**. Listen on 80-10 Meters (except WARC) for SSB near the IOTA frequencies, but there will be some CW. QSL via home call sign, via the RSGB or direct to: Jim Martin, 3 Lismore Avenue, Edinburgh, EH8 7DW, SCOTLAND.

EU-099 Ronan, F5TJP will be active as **MJ/F5TJP/P** from Les Minquiers from June 9-11th. Listen 80 through 10 Meters (WARC bands included).

OC-NEW Dan, VK8AN in the company of Len, VK8DK and Terry, VK8TM will be traveling to a couple of new IOTA's. They plan to operate from Browse Island from September 1-5th, then to Cassini Island from September 7-11th. Their calls will be announced shortly. The QSL route is via VK4AAR: A. Roocroft, POB 421, Gatton 4343, Australia. The reference numbers will be announced early in the operations when the requirements are met.

MISCELLANEOUS NEWS

Chris, SV2CWY is pleased to announce the whole story with detailed photos of the **3C0R** DXpedition to Annobon Island is available at: <http://www.qsl.net/sv2cw>

701YGF OPERATION

The team of 701YGF (DJ7MG, DK1II, DK3KX, DL5EBE) came to an early end. Their (edited for space) press release was:

"Dear fellow DX'ers,

After 10 days of operation we have been kindly asked to end our radio transmission. The reason is that no agreement on the final status of this unique special activity could be reached. However, activity from 701YGF is still in the process of approval. We expect a written confirmation in due time. During this activity we were able to make about 35,000 QSO's from 6 to 40 Meters using CW, SSB and RTTY. We thank the DX'ers for calling and apologize to those who could not make it this time. Our very special thanks go to the people of the Republic of Yemen who hosted us and to the authorities for their constructive cooperation and support of amateur radio in Yemen. We congratulate the people and President of Yemen on the 10th Anniversary of reunification on May 22nd. The 701YGF team is back in Germany and well with no problems in taking their equipment and log files back home. They look forward to sending QSL cards but were advised to use only the call 701YGF, which may cause some confusion among QSL Managers. Franz, DK1II asks that QSL cards for CW contacts be sent via DJ3XD (August Unterwallney, Am Kummerberg 30, Wedemark 2, 30900 Germany) and SSB, RTTY and 6 Meter contacts be sent via DK9KX (Hans Walter Hannappel, Eschenbruchstrasse 1, Koeln, DE-510 69, Germany). Callbook addresses are "OK". They hope, and are confident, this operation will end with QSL cards that count towards DXCC."

A5, BHUTAN

After many years of silence, the "Kingdom of Bhutan" is finally on air thanks to the help of Jim Smith, VK9NS now signing **A52JS**. Jim is active along with a local resident of Bhutan, Tuji Yonten, A51TY who has waited a long time to become active again. Hopefully, this is the start of regular activity from this rare entity. Tuji, A51TY made his first CW QSO on 20 Meters with Pavel, RW0JR and first SSB QSO with Kirsti, VK9NL. The logged start time was 1201Z April 27th, 2000. Incidentally, Jim also made his first CW QSO with Pavel, RW0JR at 1216Z and his first SSB QSO with Vidi, VU2DVP, both on 20 Meters. QSL A52JS in the normal manner direct to HIDXA, PO Box 90, Norfolk Island, NI 2899, Australia. For BUREAU QSL'ing, Jim says, "All stations wishing to use the QSL bureau system are requested NOT to dump A52JS QSL cards into the bureau as they will go nowhere.

Please wait for an announcement after I've made arrangements for Bureau QSL's."

Results from the larger A52A operation are at <http://www.qsl.net/bhutan2000> with operator profiles, sponsors, log uploads, propagation links, and the latest details, press releases & pictures. QSL via WØGJ.

Note: If you worked A52A you did much better than I. Watched the DX spots for two weeks and couldn't hear them! — AC5UP

GREETINGS FROM A52A

The following e-mail was received Saturday morning May 6th (local) from James, 9V1YC at A52A. It has been edited and annotated where appropriate. - Garry, NI6T - West Coast NA Pilot

Hi Everyone,
Greetings from the Himalayas of Bhutan in the Land of Non-Stop Pileups! On the low bands we've had problems into Japan and Oceania (and parts of W6) as we are on a mountainside and Thimpu is in a valley, so one direction will always be compromised no matter where we locate. We have managed to solve most of it by repositioning our antennas, but JA and parts of VK will still suffer. Europe and most of the US have clear shots and the high bands are not a problem. We have sent two of our seven radios to an alternative location with a clear shot to JA for the next few days. It worked last night, and tonight we will be on both 75 and 40 SSB. The ops have specific instructions to start listening around 1215Z at regular intervals for USA (W5 onwards) and I hope it works. We are going to make a special push to JA all day today - VK too - on the high bands where we have no problems. (2000+ worked today alone!). The logs are full of JA's, by the way, but we are still happy to work more.

The new location helped a lot on the low bands. We are also working plenty of JA's on 6 Meters! I guess that's a bonus, but not the one they would like with the low band situation compromised at our main QTH. BTW - Uprooting two stations took a lot of wheeling and dealing, and we have the location for at least two more nights. Everything is watched very closely here, and our license, station, location and equipment are all registered so I hope it's worth the effort. We have a Ministry of Communications inspector on site almost all day every day.

More good news is that the Titanex antenna is up, and although we are weak into JA we are clear into Oceania and everywhere else. We are now exclusive into North America from 2300-0300Z daily. I personally have done this shift twice, and I am working bucketful's of everything. W6 & W7 seems to be the least in volume (thanks to the mountain) but there is NO WAY anyone from W5 eastward can complain. (*Ouch! That hurt! - AC5UP*) I was working friends in Texas with dipoles this morning and N4KG was 20db over 9 - no exaggeration. (*You're killing me with this! - AC5UP*) It was a fabulous opening on 15, 17 and 20 despite the solar flux. The W1 thru W4 signals were just outstanding. We have six stations active every day to maximize the possibilities for new country seekers in the states. On 20, 17 and 15 Meters, please tell the band chasers our policy won't change until we wear out the US pileups and there are no more takers. We will not QSY just because someone bugs us to.

Yes, there is long path, sure we could turn our antennas to work the 11 guys who are actually looking for us that way at 1200z (I did - and heard nothing in 2 days!) but the openings to the USA are just fine on short path. It happens at 1300Z onwards too, so I do not see what all the fuss is about.

(Pilot's note: many W5's and a few Midwesterners have requested 20 Meter LP from about 1200Z. I have sent all the requests on to James. Many of these requests came from lack of SP to those areas, which James thinks has been relieved. He is willing to try it again, if absolutely necessary. If the Fives still think it is, drop me a line---de Garry)

(Pilot's note: there was a band discrepancy on some EU QSO's pointed out by Klaus, DL1XX the Euro pilot.) The log error was tracked and fixed, and we will remerge the master web log. The operator who made the mistake was promptly sent to Thimpu prison for one night as punishment. :-) Everything is going great, signals are good and the team is having fun. Our pileups are solid, and our main goal of giving out an all time new one is going well. Though we will always get complainers and band-chasers (who thoughtlessly ask us to QSY during our main openings with so many little pistols still trying to get through) we hope that as many folks as possible get a new one in the log before we leave.

(Pilot's note: We've asked that the 75 Meter effort to the West Coast during the upcoming "lowband push" be started right at A5 sunset.)

— 73 James 9v1yc (via Garry, NI6T)

THE 'OUCH' HEARD WORLDWIDE VK9WI WILLIS ISLAND OPERATION

A press release dated 05/16 was sent out with the following excerpts: "One of the team members has broken his leg, just above the ankle, whilst trying to get off the catamaran. A large wave upset his balance and cleaned him up! An SES chopper is flying out from Cairns to pick him up this morning. The chopper will have to re-fuel whilst on Willis in order to make the return journey. The WARC antenna is temporarily coming down this morning to make space for the chopper landing pad. Needless to say, this has caused a 25% reduction in available manpower. The four remaining members of VK9WI will work hard to satisfy everybody's needs, but unfortunately some operations might be cancelled." The team QRT'd May 22nd. QSL via VK4APG, CBA, with 2 USD.

UPDATE: Peter, VK4APG, is doing well. He suffered a compound fracture and was operated on May 16th at a Cairns hospital. Willis Island is approximately 458km East of Cairns, and Cairns is 1,400km North of their home in Brisbane. Peter is actually the QSL Manager for the DXpedition, so be sure to say some kind words along with your QSL request. For more information visit: <http://www.qsl.net/vk9wi> On-line logs: <http://www.qsl.net/vk9wi/1logs.htm>

DAYTON HAMVENTION 2000 QRT (Details by Tedd, KB8NW)

Well, it looks like I survived Dayton, and "HamVention 2000" will be a memorable one for many. This year's HamVention hosted not only the ARRL 2000 National Convention, but W1AW/8 during the whole event. However, I truly believe this year was extra special and memorable for DX'ers. The "Amateur of the Year" award went to well known DX'er, Martti Laine, OH2BH. He was present at the DX Dinner Banquet and at the Yaesu booth where he filled out QSL cards from his TXØCI operation. Speaking of QSL cards! There will probably never be another convention where DX'ers can pick up QSL's for so many new and rare DXCC entities. DX'ers were able to receive QSL cards for the two new DXCC entities (Chesterfield Island - TXØCI; and East Timor - 4W/W3UR and

4W/N5KO). They also received QSL cards from the FOØAAA Clipperton Island DXpedition and the number two (three) most wanted entity, Bhutan, A52A. CAN YOU BELIEVE IT?

Many of the operators from the above mentioned DXpeditions were present at this year's convention. Both the DX Forums and DX Dinner Banquet had super programs of great interest to DX'ers. A program on the recent A52A Bhutan DXpedition was presented at the DX Forum and Dinner. During the DX Dinner Banquet sponsored by the "Southwest Ohio DX Association" the following awards were presented:

"1999 DXpeditioner of the Year"

- OH2BR - Jukka Heikinheimo

"1999 DXpedition of the Year"

- FOØAAA - Clipperton Island

"1999 Outstanding Service"

- KB8NW - Tedd Mirgliotta

CEØY WEB PAGE

Victor, UA6AF has the complete story of the trip by Victor, UA6AF and Vlad, GØKBO to Easter Island (CEØY) as well as their logs and samples of QSL's can be seen at: <http://rrc.sc.ru/ce0y.htm> Victor and Vlad would like to emphasize that all direct QSL's for both call signs (CEØY / UA6AF and CEØY / GØKBO) are being handled by GØKBO.

DXCC YEARBOOKS

According to the ARRL Web page, the DXCC Desk planned to mail the DXCC Annual Yearbooks on May 31st.

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 JUNE 10 – 12

ARRL June VHF QSO Party

See your May QST page 83.

TOEC WW Grid Contest

Sponsored by the Top of Europe Contesters. SSB 1200Z June 10 to 1200Z June 11. (CW 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 can be e-mailed to TOEC.contest@pobox.com. All entries must be e-mailed or postmarked within 30 days of the contest. See <http://www.qsl.net/toec/grid.htm>.

ANARTS WW RTTY / Digital Contest

Sponsored by the Australian National Amateur Radio Teleprinter Society. All digital modes, 0000Z June 10 to 2359Z June 11 (48 hours). 80 40 20 15 10 Meters. Single operator, one transmitter; multi-operator, one transmitter; and SWL. Single operator and SWL may only operate 30 hours. Exchange RST, CQ zone and Time (UTC). Multipliers are each ARRL DXCC country and each call district of VK (1-8). JA, VE, and W count as separate countries on each band. Each continent counts only once as an additional multiplier. Contacts with one's own country or call area counts for QSO points, but not for multiplier credit. Final score is total QSO points X total multipliers X number of continents worked. Awards. Send logs by Sept 1 to Contest Manager, VK2BQS, Jim Swan, PO Box 93, Toongabbie, NSW 2146, Australia; ctdavies@one.net.au.

WEEKEND OF JUNE 16 - 18

Kid's Day Operating Event 1800-2400Z June 17. See the announcement in QST.

SMIRK 2000 QSO Party

Sponsored by the Six Meter International Radio Klub. 0000Z June 17 until 2400Z June 18. Six Meters only. All phone contacts within the lower 48 states and Canada must be made above 50.150 MHz; only DX QSO's may be made between 50.100 and 50.150 MHz. Exchange SMIRK number and grid square. Score 2 pts/QSO w/SMIRK members and 1 pt/QSO w/nonmembers. Awards. Send

entries by August 1 to Pat Rose, W5OZI, PO Box 393, Junction, TX 76849. For more info visit <http://www.smirk.org/>.

All-Asian DX Contest, CW

Sponsored by the Japan Amateur Radio League. 0000Z June 17 until 2400Z June 18. (The phone contest will be Sep 2-3). 160 80 40 20 15 10 Meters. Single op single/multi band; multi-op multi-band. Work Asian stations only. No crossband QSO's. Single ops may have only one transmitted signal at any given time. Multiops may have a maximum of one signal per band. Send RS(T) and a two-digit number denoting the operator's age. YL stations may send 00. Score 1 pt/QSO w/Asian stations on 7 through 28 MHz, 2 pts on 3.5 MHz and 3 pts on 1.8 MHz. Final score is QSO pts X different Asian prefixes (WPX rules) worked per band. Awards. Mail logs to arrive by Sep 30 (Nov 30 for phone) to JARL, All-Asian DX Contest, PO Box 377, Tokyo Central, Japan.

West Virginia QSO Party

Sponsored by the West Virginia State ARC, from 1800Z-2400Z June 17. Work stations once per band per mode (no repeater QSO's). 160 80 40 20 15 10 6 2 Meters. WV stations send RS(T) and county; others send RS(T) and state / province / DXCC country. Score 1 pt per phone, 2 pts per CW QSO, and 50 bonus pts for working W8WVA. Final score is QSO pts X WV counties (max 55); WV stations use WV counties + states / provinces / DXCC countries. Add bonus pts to final score. Awards. Mail logs by July 20 to WV QSO Party, Richard Fowler N8FMD, Rt 3 Box 52, Clarksburg, WV 26301; n8fmd@neumedia.net.

WEEKEND OF JUNE 24 – 25

ARRL FIELD DAY

See your May QST, page 84.

W1AW Qualifying Runs are 10 PM EDT Thursday, June 1, and 7 PM EDT Friday, June 16. The **K6YR West Coast Qualifying Run** will be at 9 PM PDT on Wednesday, June 7 with 10-40 WPM runs. Check the W1AW schedule for details. George Fremin III, K5TR -- 624 Lost Oak Trail, Johnson City, TX 78636 -- k5tr@arrl.org

JUNE / JULY CONTEST SUMMARY

(Courtesy of Bruce Horn, WA7BNM)

JUNE 2000

WW South America CW Contest	0000Z, Jun 3	1600Z, Jun 4	West Virginia QSO Party	1800Z - Jun 18	2400Z, Jun 18	North American QSO Party, RTTY	1800Z, Jul 15	0600Z, Jul 16
IARU Region 1 Field Day, CW	1500Z, Jun 3	1500Z, Jun 4	Marconi Memorial HF Contest	1400Z, Jun 24	1400Z, Jun 25	Six Club Sprint	2300Z, Jul 15	0400Z, Jul 16
QRP TAC Sprint	1800Z - Jun 3	2359Z, Jun 3	ARRL Field Day	1800Z, Jun 24	2100Z, Jun 25	Colombian Ind. Day Contest	0000Z - Jul 16	2400Z, Jul 16
ANARTS WW RTTY Contest	0000Z, Jun 10	2400Z, Jun 11	JULY 2000			Georgia QSO Party	1800Z, Jul 22	0359Z, Jul 23 and
Portugal Day Contest	0000Z - Jun 10	2400Z, Jun 10	RAC Canada Day Contest	0000Z - Jul 1	2359Z, Jul 1		1400Z - Jul 23	2359Z, Jul 23
QRP Day Contest	0700Z - Jun 10	1200Z, Jun 10	Venezuelan Ind. Day Contest, SSB	0000Z, Jul 1	2400Z, Jul 2	Venezuelan Ind. Day Contest, CW	0000Z, Jul 29	2400Z, Jul 30
Asia-Pacific Sprint, SSB	1100Z - Jun 10	1300Z, Jun 10	MI QRP Club July 4th CW Sprint	2300Z, Jul 4	0300Z, Jul 5	Russian RTTY WW Contest	0000Z, Jul 29	2400Z, Jul 30
TOEC WW Grid Contest, SSB	1200Z, Jun 10	1200Z, Jun 11	IARU HF World Championship	1200Z, Jul 8	1200Z, Jul 9	IOTA Contest	1200Z, Jul 29	1200Z, Jul 30
ARRL June VHF QSO Party	1800Z, Jun 10	0300Z, Jun 12	WRTC 2000	1200Z, Jul 8	1200Z, Jul 9	<i>And Don't Forget, Knuckleheads, Field Day is June 24th & 25th !!!</i>		
All Asian DX Contest, CW	0000Z, Jun 17	2400Z, Jun 18	CQ Worldwide VHF Contest	1800Z, Jul 8	2100Z, Jul 9			
SMIRK Contest	0000Z, Jun 17	2400Z, Jun 18	QRP ARCI Summer Homebrew Sprint	2000Z - Jul 9	2400Z, Jul 9			
Kid's Day Contest	1800Z - Jun 18	2400Z, Jun 18	Pacific 160m Contest	0700Z - Jun 24	2330Z, Jun 25			



The anticipation of Field Day 2000 yields mixed reaction among typical Hams...

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

Announcing: The ShaZamaHamaTronics PERSONAL DX VORTEX!

THIS HAS TO BE THE MOST SIGNIFICANT PRODUCT WE'VE EVER OFFERED!

TIRED OF WAITING FOR BAND OPENINGS? TIRED OF COPYING WEAK SIGNALS THROUGH THE QRN?
NOW YOU CAN CREATE YOUR OWN **PERSONAL DX VORTEX** AT YOUR QTH WHENEVER YOU NEED ONE !!!

(Always follow label instructions! Global ionospheric collapse and the end of life as we know it may result from improper use!)

As Cletus B. Liddley, A5LID of Bokchito, OK says: "I vortexed my way to DXCC in THREE DAYS! It really sucks in the DX!"

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

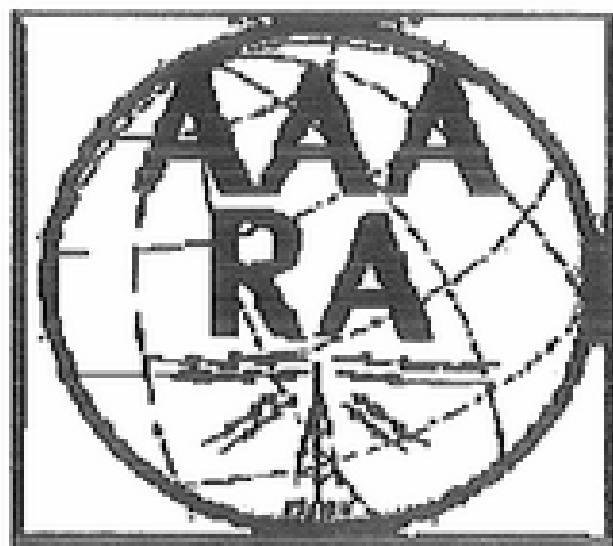
Be sure to mention you saw it in the Collector & Emitter - Visit us on the Web at <http://www.landoverbaptist.org>

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

Have some DX News? Contact Nelson Derks, AC5UP, 13410 South 128th East Ave. Broken Arrow, OK 74011

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

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



Altus Area Amateur Radio Association

AAARA Business Meeting 11 May 2000
held at Altus Fire Station #2 (EOC)

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

Old Business:

Treasurer Report-

New Business:

Breakfast Meeting 20 May - Friendship
Inn, 9am

Building - SWTC will be our meeting
place for our General Business
meeting through Nov 2000.

AAARA Comm Van-

Reviewed consent agenda for general
meeting.

Meeting Adjourned at 6:10pm

Altus Area Amateur Radio Association (AAARA) May 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
President, Dale Town, N5VX at 7:10 PM
Thursday May 11, 2000 in Altus, OK.

Intro.'s Done, 18 attending, 1 visitor.

Last Months Minutes-

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

Old Business -

ARES Meeting: 25 May, 7pm at EOC, in
Altus, OK

AAARA Ham Radio Classes. This was a
great success and in the Fall we will have
another course, TBA for the schedule. The
last Class we had did well, 100% pass rate,
congrats to all.

Ron KD5CYW has reserved the West
Window at the Altus Public Library for 1
June to 30 June. This will have displays
for Ham Radio, since it is Field Day
month. Location for Field Day will be at
the rest area we had last year. It will be on
the North side of the Altus Municipal
Airport. POC for Field Day is George,
N1GM.

Business Cards - AAARA cards, Still
looking for the winner of a club logo
contest, it is still going on till the next
Business meeting, then the Cards will be
off to the printers. *Logo Contest extended
till next meeting June 8th, winner gets next
years club dues Free*

Breakfast Meeting 20 May - Friendship
Inn, 9am

Books from ARRL: James, AB5FS will
head up the chair to order books for the
club table during the monthly meetings.
More to come in June meeting.

Club Logo - see item #4

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). The
Hamfest Committee has made out the
menu choices, and it was voted on, choices
made 4 items on list and one backup for
that just in case. Lots of discussion about
Hamfest went on.

911 Mapping, talked about and scrapped
as a club project.

New Business - as follows

The Mangum Rattlesnake Derby went well
with the M.R.D. committee sending the
club a donation. Thanks to those who
helped out, from Fred, KC5SRJ.

Fund Raising Ideas were discussed, more
to come.

A Club Picnic will be held on Field Day at
the Field Day site. Details in June meeting.

Field Day, word has it the George may not
be at FD, so James, AB5FS will be his
Deputy of Field Day.

New Business... opened from the floor

ARES: Simulated Emergency Test (SET)
Day is like Field Day, and that will be
known at the ARES meeting more in
detail.

New Member of AAARA - Brett,
WA5NWS of Chillicothe, TX Congrats on
the upgrade and welcome aboard.

Ongoing Projects - discussed.

APRS- 144.390 simplex, have site almost
ready up on Willey Mountain in Granite,
OK. Items on order and waiting for Elec
Comp to run power to the pole. Dwight
KB5KRH, Jackie KD5EDP, Jerry K5QM,
and Dale N5VX have been working on
this. Dale along with some club members
go along to Lawton's Ham Club meeting
for June 6th to talk to them about APRS,
some of the folks are interested in getting
up a repeater in Lawton. Dale also took
center stage as it seems at the Abilene, TX
hamfest and talked about APRS there too.
There is a small Tracking TNC that is on
the market, Tiny Trak that comes in kit
form for about \$25, see
www.byonics.com/tinytrak for info.

AAARA Comm Van, Work has been
restarted on it.

Packet Node should be up soon. TBA
when it is.

The meeting was adjourned 8:10 PM with
everyone looking forward to the next
meeting 11 May 2000, 7pm at SWTC.

Typed by Ron, KD5CYW, SEC/ED
AAARA

Email: rroman@intellisys.net



Oklahoma City Autopatch Association

Minutes of the OCAPA meeting for May 16th, 2000.

The meeting was opened at 7:30 PM by the president of OCAPA, Glynn Massey, N5WNL. There were eighteen members present at the meeting. Introductions were made all around.

Secretary's Report - The secretary's report was approved as printed in the C&E.

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

CORA Report - CORA is doing fine. Programs are in place; second mailings are being sent to vendors.

President's Report - Information on hats and shirts was given. The hats are \$10.00, and the shirts are \$20.00. If you want a new OCAPA hat or shirt, contact Glynn Massey, N5WNL, at (405) 631-2731. The money for the hats and shirts must be turned in by Field Day.

Field Day - The primary site has been reserved; so has the alternate site. We need OPERATORS. The menu has been prepared. We will need plenty of extension cords. Please, if you bring your equipment to Field Day, Mark it. Put your name on it. Field Day should be a lot of fun.

Hal, KB1ZQ, and Tom, WA9AFM, are in charge of finding a good logging program for Field Day.

Route 66 Special Event Station - OCAPA and Choctaw ARC will be handling our part of the Route 66 Special Event. There will be a club or

clubs running a Special Event Station in each place named in the old Route 66 song. The projected date is September 9 through September 17. This will be the 75th Anniversary of Route 66. That's all we know about it right now. This should be fun.

Upgrades - Fred Townsley, N5NIO, is now a General! Congratulations!

Next Meeting - The next meeting will be June 20th, 2000, at 7:30 PM. See you at the meeting!

Respectfully Submitted,
Forrest Rush, N5VWF
OCAPA Secretary



Choctaw Amateur Radio Club

May Meeting Minutes:

The May meeting was held 7:00 PM Monday May 15, 2000 in the Eastern Oklahoma County Vo-Tech School.

Treasurer's Report: Ron read the report, there are no outstanding bills.

Old Business:

TEX-NET Tower: A work party removed 5 of the 6 cable supports. The last one is in use by the owners. This finishes all ties that the club has to this site. All parts were taken to Don Clark's.

Swap Meet: The swap meet was not a success. It was not well attended and we only had a few tables. The club lost money on the swap meet. It was decided to stop or cancel future swap meets. Ron will cancel our reservation at Midwest City Municipal Center.

YL Net: The YL Net had no report. Members please encourage all YL's to

participate in the YL Net which operates at 8:00 PM Tuesdays.

New Business:

Tower Work: Need work party to help start work on tower at Don Clark's house on Saturday May 20, 2000 at 10:00. Work should consist of installing gate in existing fence so we can drive trucks in. Also we should layout placement of tower and cable supports. Might start digging holes for base and cable supports. Looking for cheap concrete.

Route 66 Special event: We discussed participating in this special event sponsored by NADXA. This event will be Sept. 9 & 17 or possible Sept 9 thru 17. It will consist of 12 special stations K6A, K6B, K6C, ... K6L. They will be in the 12 cities mentioned in the song Get Your Kicks on Route 66. We are looking for a good area to setup and operate from. The location should be public and on route 66. The Cowboy Hall of Fame was one suggestion. We were also looking to see if any other clubs would like to join.

Field Day: Field day will be June 24 & 25. The Nicoma Park Park is reserved. We are looking for people to participate, operate, and bring equipment. We will have the usual food at 6:30ish. We have invited members of MORI to join us this year. No word yet if they will accept. We look forward to a lot of FUN and some work. Be ready at next meeting to discuss detailed plans.

Other Topics:

Suggestion was made to make a repeater maintenance reserve fund. Tabled until we get info on insurance from ARRL.

The club voted to donate old books to Choctaw Library.

Larry showed a 13 gig external hard drive from zoom.com that connected to the USB port. It sells for 249.00 and was easy to install and use. It was quiet and we thought the bright yellow color was neat.



A. R. R. L. Bulletins

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

ARRL Bulletin 27
May 26, 2000

FCC says ULS registration can protect license record

Registering now on the FCC's Universal Licensing System can benefit amateurs, even if they have no plans to file an application anytime soon. FCC staffer Steve Linn, N4CAK, says that ULS registration "protects your call sign within the system" and could prevent it from inadvertently being deleted or reissued due to a filing error.

Linn also pointed out that amateurs filing for a change of address should file an "administrative update" (AU) and not request a "modification." The ULS will not renew an amateur's license unless it is within the 90-day window of expiration or within the two-year grace period after expiration. The same applies for those upgrading under restructuring.

Linn said the FCC continues to work out the bugs in the ULS. He said that support for the Mac platform and other browsers, such as Internet Explorer, should be available soon.

The FCC in late April opened the ULS to Web filing. Linn advised filers to use the on-line system whenever possible, since it helps users to avoid errors that will not get trapped when filing on paper and could lead to delays or errors in your FCC record. Visit <http://www.fcc.gov/wtb/uls> for more information or to access the ULS.

ARRL Bulletin 26
May 12, 2000

VECs Struggle with Paperwork Mountain

Despite an infusion of temporary help, Volunteer Examiner Coordinators continue struggling to process the huge influx of exam session paperwork

resulting from Amateur Radio restructuring. ARRL-VEC and W5YI-VEC continue to estimate that it is taking from three to four weeks from exam session to license grant.

ARRL-VEC Manager Bart Jahnke, W9JJ, and his staff have been putting in a lot of overtime and weekend hours. Fred Maia, W5YI, cites a similar situation at his W5YI-VEC. "We've got mail buckets everywhere," he said.

Jahnke and Maia say processing is proceeding as fast as possible. They urge amateur applicants to refrain from contacting either their respective VECs or the FCC to inquire as to the progress of individual applications.

Applicants wishing to file a vanity call sign application or to upgrade their Volunteer Examiner status cannot do so without a license grant from the FCC reflecting the applicant's upgraded class. In a few cases, applicants are awaiting first-time amateur licenses and do not even have interim operating authority.

Jahnke says the ARRL-VEC has caught up with the paperwork backlog from pre-April 15 test sessions. The ARRL-VEC served nearly 35,800 applicants between January 1 and April 14. It continues to deal with the nearly 16,000 applications logged in from April 15 through April 25. Jahnke points out that while VE teams have 10 days to ship session paperwork, transit times can be as long as a week.

Once keyed in and sent on electronically to the FCC, most applications are granted overnight. Jahnke says the care ARRL-VEC takes in checking VE session paperwork and applications for "completeness, accuracy and integrity" pays off in avoiding problems down the road.

Statistics to date suggest a total of more than 13,000 new Generals and more than 10,000 new Extra class hams as a result of restructuring.

ARRL Bulletin 25
May 10, 2000

New Mexico amateurs assisting in evacuation

Hams in the Los Alamos, New Mexico, area are assisting local authorities and

relief agencies in a mass evacuation as a result of wind-driven wildfires. ARRL New Mexico Section Manager Joe Knight, W5PDY, in Albuquerque reports the National Forest Service advised the City of Los Alamos and Los Alamos National Lab on May 10 to evacuate Los Alamos city limits by 5 PM Mountain Time. Knight was not sure how many hams were directly involved in the fire emergency response at this point.

"This affects approximately 12,000 to 15,000 people who will require immediate shelter," Knight said. The Red Cross is requesting additional medical personnel, as the evacuation includes hospital patients and staff.

Amateur Radio Emergency Service and Radio Amateur Civil Emergency Service personnel in Los Alamos have been activated for the past three days as a result of the ongoing fire situation. Knight said three repeaters in the fire zone have been put into use to handle emergency traffic, although the W5PDO Los Alamos Amateur Radio Club repeater at the fire station apparently has been shut down. ARES and RACES teams elsewhere in New Mexico are on standby to assist if needed.

Knight reports that winds in the vicinity are currently gusting to 40 MPH and the flames are jumping treetop-to-treetop. "It's a firestorm," Knight said. "It's a bad situation."

Standby emergency personnel from the Albuquerque Fire Department have been called to immediate duty, Knight reports, to assist in Los Alamos some 80 miles away.

Meanwhile, Knight says the City of Alto, northeast of Ruidoso, already has been evacuated, and a number of houses east of Alto reportedly have been consumed by flames. The fire is spreading rapidly northeast of Ruidoso and already has consumed more than 6000 acres of forest.

Citizens have been placed on alert in the Ruidoso area.

ARRL Amateur Radio emergency and section personnel will continue to monitor the fire situation in New Mexico.

ARRL Bulletin 24

May 9, 2000

FCC opens ULS to Web applications

Amateurs now can file ULS applications via the Web. The FCC opened ULS to Internet filers on April 29 and formally announced the system this week.

FCC Wireless Telecommunications Bureau Chief Thomas Sugrue announced that ULS users now can file applications and notifications via the Internet for all services previously only available by dial-up connection to the Commission's Wide Area Network. To access the new capability, visit the ULS home page at <http://www.fcc.gov/wtb/uls> and click on "Online Filing."

The ULS--the FCC's interactive on-line licensing application, modification and renewal system for wireless telecommunications services--was deployed for the Amateur Service last August 16.

Sugrue noted that many ULS users had requested the ability to access ULS through the Internet in order to utilize their high speed Internet connectivity. He also addressed concerns about the security of transactions handled via the Internet.

"We now have the technology in place that assures the integrity and security of data transmitted over the Internet along with high speed connectivity," he said. "This is another step forward in the expanding functionality of ULS."

The FCC says that to make online payments requires that users be running the 128-bit encryption version of Netscape, Ver 4.73. The FCC currently supports only recent versions of Netscape for online filing tasks but says that support for other browsers and platforms is in the works and should be available shortly.

Dial-up access continues to be available.

ARRL Bulletin 23

April 25, 2000

ARRL Web Access Disrupted

Access to the ARRL Web site (<http://www.arrl.org/>) was disrupted early Monday by an unknown cyber-vandal when those attempting to connect to the site were shunted to another site,

apparently in Canada.

ARRL Information Services Department Manager Don Durand said the League's "arrl.org" domain name was illegally modified at Network Solutions--which registers domain names--and redirected to the bogus site. Network Solutions was promptly notified yesterday and has restored the League's record.

Durand said it takes up to 48 hours for the various name servers on the Internet to update their records.

The ARRL Web site itself was not "hacked," and no ARRL files were damaged as a result of the vandalism, Durand emphasized.

The vandalism disrupted e-mail service to League staff and officials. Mail service has been returning slowly. The ARRL E-Mail Forwarding Service was not affected.

ARRL President Jim Haynie, W5JBP, said the League intends to investigate the disruption through all possible means and will prosecute if the perpetrator is caught.

RADIO LAW: SCHOENBOHMS LAST COURT STAND

A ham who was once considered a hero because he was able to stop multi-millionaire yachtsmen from conducting business on the ham bands may very soon be ordered to end his Amateur Radio career. Newsline's Bill Burnett, KT4SB, reports from Miami:

His name is Herbert L. Schoenbohm. His callsign KV4FZ and he has filed a petition before the U.S. Court of Appeals in a last-ditch effort to force to government to renew his Amateur Radio license.

But the story of KV4FZ goes back many years. In 1994, the FCC refused to renew Schoenbohm's ticket citing his 1992 telephone access felony fraud conviction and other character issues. Among these a charge by the FCC that Schoenbohm had improperly solicited ex parte contacts with that agency on his behalf.

So KV4FZ began a long trek through the United States administrative appeals process. He ran out of those in 1998 and then took his appeal into the federal courts.

The matter of Schoenbohms license renewal continued in the court system until last February. That's when an Appeals Court turned down Schoenbohm's challenge of the FCC's decision to oust him as a licensed United States radio amateur.

But Schoenbohm claims that he is being singled out for especially harsh treatment. Also, that the Court did not have the all the facts in the case.

So, on April 12th, Schoenbohm filed a Petition for Rehearing before the U.S. Court of Appeals. While no date has been set for his latest plea to be heard, if he is unsuccessful his only avenue will be to attempt to get the United States Supreme Court to assume jurisdiction in the matter. This is something that is not likely to happen according to those Newsline has spoken with.

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

Schoenbohm's KV4FZ callsign no longer appears in the FCC database but he has been permitted to continue operate using it until all appeals have been exhausted. That grace period may soon be coming to an end.

(Various sources)

RADIO LAW: FCC OPENS ULS ON THE WWW

I'm Bill Pasternak, WA6ITF, with a late breaking story. Amateurs now can file Universal Licensing System applications via the World Wide Web. This as the FCC opens the ULS to Internet filers as of April 29th but only formally announced the system within the past few days.

According to an ARRL Bulletin, FCC Wireless Telecommunications Bureau Chief Thomas Sugrue announced that ULS users now can file applications and notifications via the Internet for all services previously only available by dial-up connection to the Commission's Wide Area Network. To access the new the ULS, go to its home page at:

<http://www.fcc.gov/wtb/uls>

and click on "Online Filing."

(ARRL Bulletin, FCC)

Up Coming Events

July 28-29, 2000 Ham Holiday @ OK State Fairgrounds See Flier this Newsletter.

ANNOUNCEMENTS

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

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

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

VE exams on 2nd Saturday of each month are held at 10:00 A.M. after the SCARS meeting at the American Red Cross in on Westheimer Airport in Norman. Contact Jim Copeland, NWOK at 329-1681 or e-mail 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 1st 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

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.

QCWA Chp 63 VHF - 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 @ 1800 P. M. on 3692.5 kHz (CW Net)

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

EMERGENCY COMMS: NEW MEXICO CALL-UP

Lincoln County New Mexico's Emergency Operations Center was activated on Sunday, May 8th after a forest fire approximately 16 miles north of the town of Ruidoso prompted talk about evacuation. This fire began as another threatened the city of Los Alamos. Within 24 hours, the North end of Ruidoso and the South-West area of Los Alamos were both evacuated as 30 mile per hour winds fanned both fires.

According to Jay Miller, WA5WHN, the Ruidoso fire started as a United States Air Force scheduled burn went out of control near Bandelier. High frequency and VHF links were activated as dry conditions and temperatures in the 90's helped whip the fire out of control. Jim Sohl, KK5RIC is the lead person on the Ruidoso fire Amateur Radio support team.

(WA5WHN)

RESTRUCTURING: LAUREL VE SAYS GREAT!

Restructuring hit with a bang for Maryland Laurel Amateur Radio Club. According to club spokesman John Creel, WB3GXW, the group had its biggest VE session in history on R-Day. 189 applicants showed up with 25 Volunteer Examiners and helpers taking about 4 hours to process them all. John also says that the Anne Arundel Radio Club also a Laurel VE team had 86 applicants at their session. WB3GXW adds that it was a great beginning under the new rules.

(WB3GXW)

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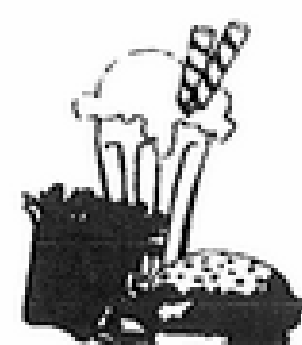
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Fax (405) 682-0461

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Fax (405) 378-2848

NSWNL
GLYNN MASSEY

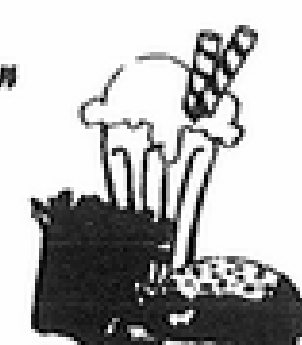
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HAM HOLIDAY 2000

OKLAHOMA CITY



Date: July 28, 29 2000

Time: 5-9PM Friday 8-4PM Sat

Pre-register by: 07/22/2000

Entry fees:

\$7.00 PreRegistration
\$10.00 Flea Market Tables
\$5.00 Electrical Access

Flea Mkt setup 12-9PM Friday, 6-8AM Saturday
No Vehicles allowed in bldg after show starts

LOCATION

Oklahoma State Fairgrounds
Hobbies, Art and Crafts Bldg.
At N.W. 10th and May Ave
Off I-44 at 10th Street Exit

Registration Info Call KJ5KP 405-354-2061
kj5kp@arrl.net

Dealer Contact person:

405-672-7735 Hal Miller
N1lpn@swbell.net

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Name

Call

Year Licenced.

Address

City

State

Zip

Pre-Registrations @ \$7.00

Flea Market Tables @ \$10.00

AC Access @ \$5.00

Total \$

Enclose SASE for ticket mailback
Otherwise they will be held at door

May 28 - July 08, 2000

Weekly Planner

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

April						
S	M	T	W	T	F	S
	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						

May						
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			

June						
S	M	T	W	T	F	S
	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
	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
	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	