

Collector & Emitter

Central Oklahoma Radio
Amateurs, Inc. Publication

September 1999
Volume 25, Number 9
Issue 295
75¢

Postmaster See Page 2
For Postal Information

Periodical Mail

Work <= Watch Out

42nd JOTA

Air Force Party



7Q7PA Malawi Op

PSK31

ULS – Open For Business

Collector & Emitter**Harold C. Miller, KB1ZQ****Editor****Linda G. Miller, N1LPN****Circulation Manager****Central Oklahoma Radio
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6. Altus Area Amateur Radio Assn. Meets: 1900L 2nd Thursday, Southwest Area Vo-Tech Center, 711 W Tamarack Altus, OK Pres.: James Molledahl, AB5FS VP: George Mateyko, N1GM 580-266-3357 Sec: Ron Roman, KD5CYW 580-482-8446 Treas.: Fred Cramer, KC5SRJ Editor: Ron Roman, KD5CYW 580-482-8446	16. Broken Arrow ARC Meets: 1830L, 1st Monday, Broken Arrow Community Center, 1500 S. Main, Broken Arrow, OK Pres.: Wayne Hartsfield, KK5AT 918-357-2139 VP: Joe Horn, KC5VPO 918-451-0028 Sec: Jerry Pascal, KC5JKU 918-455-6514 Tr: Harlan Kinney, K9GDK 918-251-2672 E-mail: w5bbs@juno.com
7. Enid Amateur Radio Club Meets: 1900L 4th Thursday, Enid/Garfield County Public Library, Enid, OK Pres.: John Turner, KA7GLA 580-242-6802 VP: Dwayne Posey, KC5QVS 580-237-3218 Sec: Dave Chael, KC5GUD 580-242-3445 Treas.: Bill Wehling, KC5OKG 580-233-5022 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.: Scott Renes, KD5AJL 436-1369 VP: Charles Eiter, KC5TGA Sec: Danny Coffey, KM5LB 436-1271 Tr: Finis Hallmark, KC5YGB 384-5470
8. Choctaw Amateur Radio Club Meets: 1900L 3rd Monday, Eastern Oklahoma Co. Vo Tech, 4601 N. Choctaw Rd, Choctaw, OK Pres.: Dave Downing, WD5G VP: Don McDown, N5ENQ Sec: Jim Harper, Treas.: Ron Ernest, WB9DAF 769-3207 Editor:	18. Lawton Fort Sill ARC Meets: 1900L 1st Tuesday, Great Plains Area Vo-Tech room 301, Worley Center. Pres.: George Summers, KK5QY 580-355-6514 VP: Charlotte Cole, KB5OJV Sec/Tr.: Danita Haney, KC5YYU 580-549-6817 E-mail: w5ks@rli.net
9. Wheatstraw Amateur Radio Club Meets: 1430L, 2nd Sunday, Location Varies Pres.: Neal Kappus, N5KCO 405-262-1151 VP: Leo Piel, WZ5H 580-886-2998 Sec/Tr.: Johnny Fish, K5GBN 405-893-2227 Editor: Jimmy Payne, W5JEP 580-496-2312	19. Tri-State Amateur Radio Group Meets: 1930L, 2nd Thursday, Woodward, OK Pres.: Jay Kruckenburg, KB5SOO 580-994-2751 VP: James Hand, W5JWH 580-994-6118 Sec/Tr.: Larry Goodwin Sr. KC5NZC 580-886-3283 E-mail: W5OKT@unibuilt.com
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Central Oklahoma Radio Amateurs, Inc.

Minutes of the CORA meeting for August 24th, 1999.

The meeting began at 7:50 PM. It was called to order by the president of CORA Hal Miller, KB1ZQ. There were three clubs represented at the meeting.

Secretary's Report.

The Secretary's Report was accepted as printed in the C&E.

Treasurer's Report.

The Treasurer's Report was accepted. We just about broke even on Ham Holiday.

Ham Holiday 1999.

From all accounts a good time was had by all. The dealers did well; the fleamarket was down from last year. Next year we will have to look at setting up ourselves; by doing that we can save three hundred dollars. We may also look at doing the concession stand ourselves; most of the complaints centered on the concession stand. We are also looking at alternate sites; we will see if we can get the Kitchens of America Building. We will also see about setting up a first aid center.

Ham Holiday 2000.

Mark your calendar; Ham Holiday 2000 will be held on July 29 - 30, 2000. Ham Holiday 2000 will be the site of the Oklahoma State Convention. The ICOM Funmobile is tentatively scheduled to be at Ham Holiday 2000.

Elections.

The September CORA meeting is when we hold elections. We need all the directors who can come to be at the next CORA meeting.

Websites.

A recommended website is: [HTTP://Home1.GTE.net/N5DKR/vetteam.htm](http://Home1.GTE.net/N5DKR/vetteam.htm)

SK.

It was reported that Bill Oliver, a long time member of SCARS, had passed away.

It was also reported that Jim Buswell, N5BEQ, had passed away as well.

Meeting Adjourned. The next CORA meeting will be September 28th, 1999, at 7:30 PM at Salvation Army Divisional Headquarters. Be There!

CORA VE Testing

The August edition of VE testing at the Salvation Army was held on Monday, August 16, at the usual time of 6:00 PM. The evening was just like we would expect for mid August in Oklahoma! Sure appreciate the comfortable testing conditions of the Salvation Army. Makes one want to take their time in going back out into the outdoor oven. Results of the August session are as follows:

Applicants: 2
Elements Administered: 3
Elements Passed: 2
Number Upgraded: 1

Congratulate Mr. Michael Feinberg for passing the Novice and Technician Theory tests. He now has his Technician license. We hope to see Michael and others at the September session, which will be held on Monday, September 20th at 6:00 PM. Location of the test session is the Salvation Army Divisional Headquarters located at Penn Ave and Northwest Expressway in Oklahoma City.

Good Luck in getting ready for that date.

73 de John-WB5SYT

Work <----- watch out for this!

□

□

There is a new virus going around, called "work." If you receive any sort of "work" at all, whether via email, internet or simply handed to you by a colleague...DO NOT OPEN IT.

This has been circulating around our building for months and those who have been tempted to open "work" or even look at "work" have found that their social life is deleted and their brain ceases to function properly.

If you do encounter "work" via email or are faced with any "work" at all, then to purge the virus, send an email to your boss

with the words "I've had enough of your crap... I'm off to the pub." The "work" should automatically be forgotten by your brain.

If you receive "work" in paper-document form, simply lift the document and drag the "work" to your garbage can. Put on your hat and coat and skip to the nearest bar with two friends and order three pints of beer (or rum punch). After repeating this action 14 times, you will find that "work" will no longer be of any relevance to you and that "Scooby Doo" was the greatest cartoon ever.

Send this message to everyone in your address book. If you do NOT have anyone in your address book, then I'm afraid the "work" virus has already corrupted your life.

From The President:

Well another year has gone by and elections are coming up. I would like to see more folks come to the CORA meeting and not necessarily run for an office but show your club's support of what we do. It is very hard to stay motivated when the same faces are always there and we have discussed all the usual approaches to subjects.

I am suffering from the Virus "WORK". My employer is growing like crazy, at least it seems so. I have almost no time to do ham radio things, that I had to take a day off to put up my new tower and beam (a Cushcraft X7 @ 53'). I am still trying to get the rest of the cabling done to be able to operate.

On a sadder note, we lost one of the four-legged members of our family on the first of September. Mr. Spock, a nine-year-old cat, passed away. He had had surgery to remove a tumor in the thyroid gland. He came through the surgery fine, but was too weak to recover. He will surely be missed.

With that I will close and wish you all well. I hope to see more of you at the future CORA meetings.

Hal, KB1ZQ
CORA President

CHIT-CHAT

By Linda NILPN

The end of a chapter; the starting of a new one...

I have kept silent concerning a nightmare a sister ham was forced to live through for the past two years. Now is the time to tell you about it. The story the news media did not cover. They were too busy trying to hang an innocent person. But let me start for the beginning.

In the early 1990's a Doctor, his wife and daughter decided to come to Oklahoma to start a new life for themselves. The husband and wife had just been through some rough waters in their marriage. They rediscovered that in spite of what they had been through, their love was stronger than ever. They left family, friends and everything they knew behind them and came to a different country to build a life together once more.

They became active in the Ham community and began making new friends. When they were seen together they were either holding hands or never very far from each other. They acted like two newly weds. It was not easy for them to start over but they met the challenges together.

Everything for them was finally falling into place after years of hard work. Her husband was working at a place he loved, their daughter had made a place for herself in school and she was involved in Volunteer work. Life was good.

One night her husband went to the clinic office to pick up some paperwork and she was with him. Many different stories came out on what happened that night to the point the truth was clouded over. I will not bore you with all of them, it is not important.

His wife left to visit nature and while she was in the restroom heard her husband talking loudly to someone. She heard more than one person with her husband. She heard a gun shot and scared came out to see what had happened. What she found was her husband shot and the office was empty.

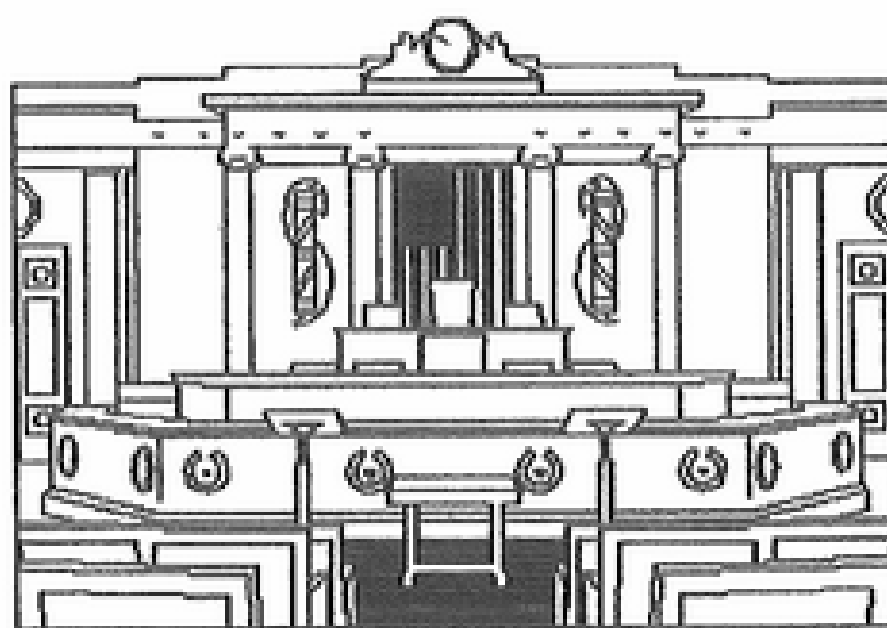
She called 911, cradled her husband in her arms as his blood soaked her clothing. The EMS went to the wrong clinic and time was lost. Her husband died in her arms. The police came and took her statement. No gun was found, no gunpowder was found on her or her clothing.

All of a sudden, the police decided she must have killed her husband. Their past came back to haunt her and no matter what they had built here together, the police felt she had a reason. During the time she needed to grieve the senseless killing of her lifetime mate and best friend, she was hounded by the news media. They camped outside her house, gave her no room to breathe and put her and her daughter through hell. They had done nothing wrong yet were treated as if they had.

Years of investigating her, and many tax dollars were wasted while the real killer/killers run free. This month, August 1999, the Grand Jury ruled she was not a suspect. Her nightmare has now come to an end.

She has left Oklahoma and recently married a friend of the family. She is again attempting to rebuild her life in a new state. It is their hope that they will be able to live out of the limelight of the media and have some privacy. My heart goes out to this very special lady and my prayers. Maybe now she can find some peace and happiness.

Until Next Month...



Congress Trying to Limit National Weather Service

The National Weather Service will be prohibited from providing services that are, or can be, provided by commercial forecasting companies, under terms of a bill now making its way through Congress. HR 1553, the National Weather Service

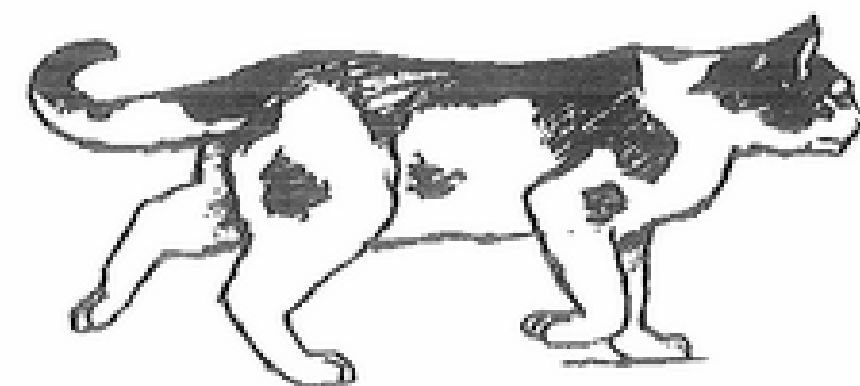
and Related Agencies Authorization Act of 1999, has already been passed by the House of Representatives and is awaiting action in the U.S. Senate.

Among its provisions is Section 3 (c) (2), titled "Competition with private sector," which states:

"The National Weather Service shall not provide, or assist other entities to provide, a service if that service is currently provided by or can be provided by commercial enterprise..."

The only exceptions are "vital weather warnings and forecasts for the protection of life and property of the general public," and services required by international aviation agreements. According to Maricopa County, Arizona, Emergency Management Director Bob Spencer, this would bar the NWS from providing the public or other government agencies with weather watches and storm tracks, routine fire weather reports, telephone consultations to emergency management personnel, meteorological briefings to the U.S. Army Corps of Engineers, private pilot weather briefings, and specialized weather services for the Federal Aviation Administration.

This clearly would have implications for amateurs providing public service and emergency communication, and participating in NWS's SKYWARN program, although the specific impact on hams is not yet clear. At press time, the bill was before the Senate Commerce, Science, and Technology Committee, which is chaired by Arizona Senator John McCain. Spencer encourages anyone who is concerned about this provision's impact to contact their own U.S. Senators as well as Senator McCain to express their views and explain how passage of the bill as written would affect them.



In Memory Of Our Friend, Mr. Spock
April, 1990 - Sept 1, 1999

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 Eleven: X-Ray Tango Tango - Xanders's Tenna Tips - Part I

In a rare C&E Exclusive, Doug Xander shares a few tips on simple antennas for both new and veteran Hams who enjoy stretching wire and their signal strength...

September is a month when many of us begin spending more of our time outdoors, perhaps to work on an antenna project. Those long winter nights free of static crashes prized by so many are just a few months away and now is the time to plan your winter antenna garden.

Antennas are one of the last refuges of the home brew arts, either by necessity or an urge to experiment. Many Hams buy a tower with a triband Yagi for HF and top it off with a VHF / UHF vertical. They do work well, but at times an all-band trap vertical is preferred as the convenience of an antenna you can install in an afternoon is hard to beat. If you read the magazine ads long enough, you might believe there are no other antennas worth considering.

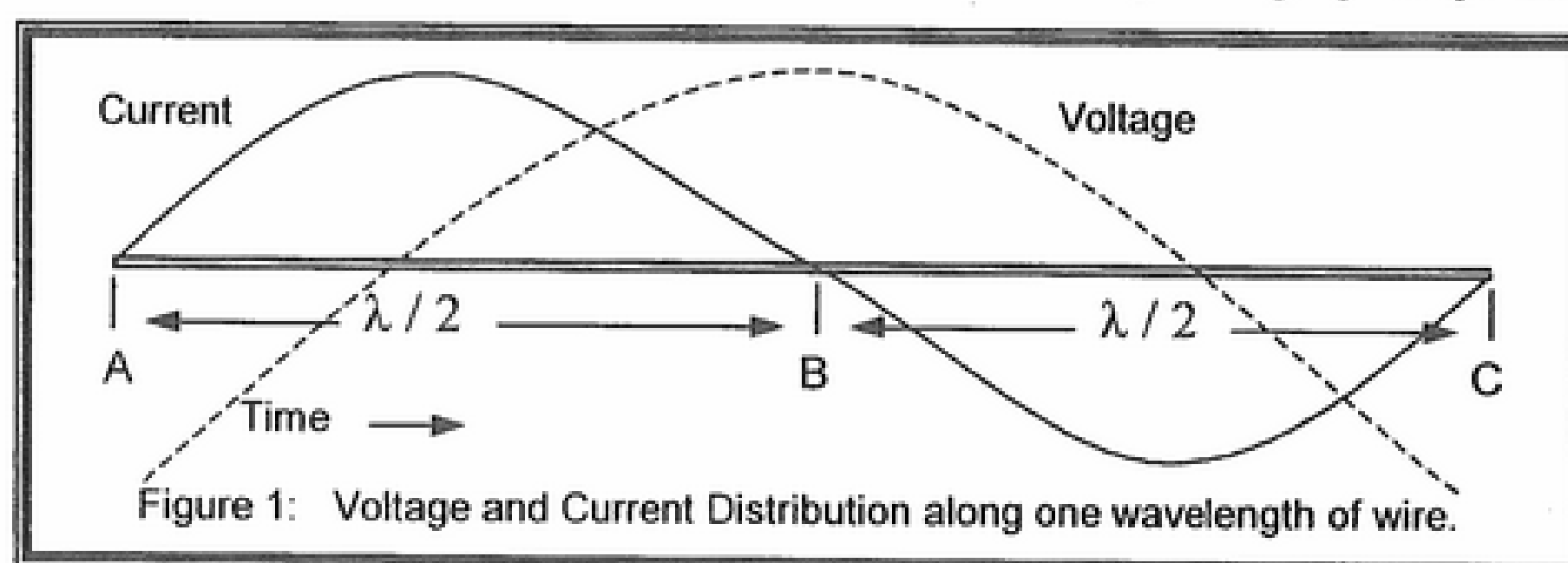
But, what if you want to add one of the WARC bands, have restrictive covenants, limited space, a modest budget, or all of the above? You won't find many ready-to-install antennas for 40 Meters and below. And, to tell the truth, I've seen a few ads for pricey wire antennas you can home brew at a fraction of the cost. The next time you visit your favorite hardware store, stop by the electrical aisle and price out a 500' roll of 12 gauge solid THNN 'house wire'. Surprise, the going rate is below \$25.00 and I've had no problems with wire stretch. I know of one Ham who built five Extended Double Zepps for Field Day from one 500' spool of wire... That's 40 / 20 / 15 / 10 / 6 Meters at an average cost around \$8.00 per band with insulators. Sure, you'll spend a few more dollars on the supports and coax, but isn't that true of all antennas? And don't forget the old cliché that every dollar spent improving your antenna is like spending five dollars on a better radio... It's True.

Let's begin with some basic antenna theory. Some of you will stop reading at this point because you're looking for a set of dimensions you can copy. Sorry, I used to be that way and all I learned was how to measure and cut wire. It wasn't until I began experimenting that I learned what works and why it works. My latest efforts work far better than the Dipoles I started with, and this could be worth reading. (?)

Let's begin with the half-wave Dipole, it's the first cousin of every resonant antenna.

the impedance. Is there any place we can find a perfect 50 ohm match? Nope... Dead center at a current peak is as low as it gets. Lower the ends of the wire into an inverted V and you will get closer to 50 ohms, but this also broadens the radiation pattern. I have a little trick to get a better match on a flat-top dipole that also makes them easier to tune. More later...

Curious Note: The classic illustrations of RF always show voltage and current cross 'Zero' when they change polarity. Can



Divide 468 by the frequency in megahertz, cut a wire to this length (in feet), then attach a feed line in the middle. Huzzah! A Dipole is the simplest resonant antenna.

Let's refer to Figure 1. As a 'textbook' RF signal travels along a wire, voltage and current are 1/4 wavelength (90 degrees) out of phase with each other. You'll find a voltage peak, current peak, voltage peak, etc... every quarter wavelength along the wire and this can be true of feed lines as well. Wherever voltage reaches a peak, the impedance will be highest. Wherever voltage is lowest, the impedance will be low with a better match to a 50 ohm radio.

Look at the segment between A and B, but ignore B to C for now. That's one half wavelength. If we connect a feed line midway between A and B we have a Dipole. Since Current is at a maximum, the impedance is relatively low, typically 72 ohms. Slide to the left or right and the ratio of voltage to current changes, as does

either value ever reach 'Zero'? If they did, wouldn't power at that instant also be zero ($E \times I = P$) with an impedance of either Zero or Infinity? Both are impossible to match. But, due to the radiation resistance of practical antennas, we'll be working with more reasonable impedance values.

Theory says the points of maximum signal radiation are at the current peaks. OK... a Dipole gives us one current peak and a Fat Figure-8 pattern. Suppose we keep our feed point midway between A and B, but add the wire segment between B and C. Do we still have an antenna with a low feed point impedance? You bet... It's now an Off Center Fed Dipole and there are two current peaks with a radiation pattern like a four-leaf clover. We also picked up a little gain and our signal is stronger...

Gain is a good thing, but antennas are passive devices that cannot amplify a signal no matter how high the advertised gain might be. This means a BIG signal

In one direction comes by way of a small signal in every other direction. If 100 watts feeds an antenna with a true 10dB of gain, the ERP (Effective Radiated Power) in the 'sweet spot' will be 10 times 100 or 1,000 watts (Wow!) but the ERP and receive sensitivity will be very poor in all

Normally a wavelength of wire fed at the center would have a very high impedance of around 1,000 ohms. The Folded Dipole (like all loop antennas) bends the rules a bit and presents a feed point impedance between 200 and 300 ohms, depending on the installed height above ground. Many

half waves in the antenna the broader the bandwidth and the easier they tune. Why are Folded Dipoles popular on the lowest HF bands through UHF?... Bandwidth.

Here's how to run the numbers:

To figure a half wavelength in free space:

$$492 / f \text{ in MHz} = \text{Length in Feet}$$

To figure a half wavelength of wire with 5% compensation for the velocity factor:

$$468 / f \text{ in MHz} = \text{Length in Feet}$$

To figure a 1 λ Delta or Diamond Loop:

$$1005 / f \text{ in MHz} = \text{Length in Feet}$$

To add a 1/4 wave tuned feeder to a loop:

Add $492 / F$ in MHz to the total length

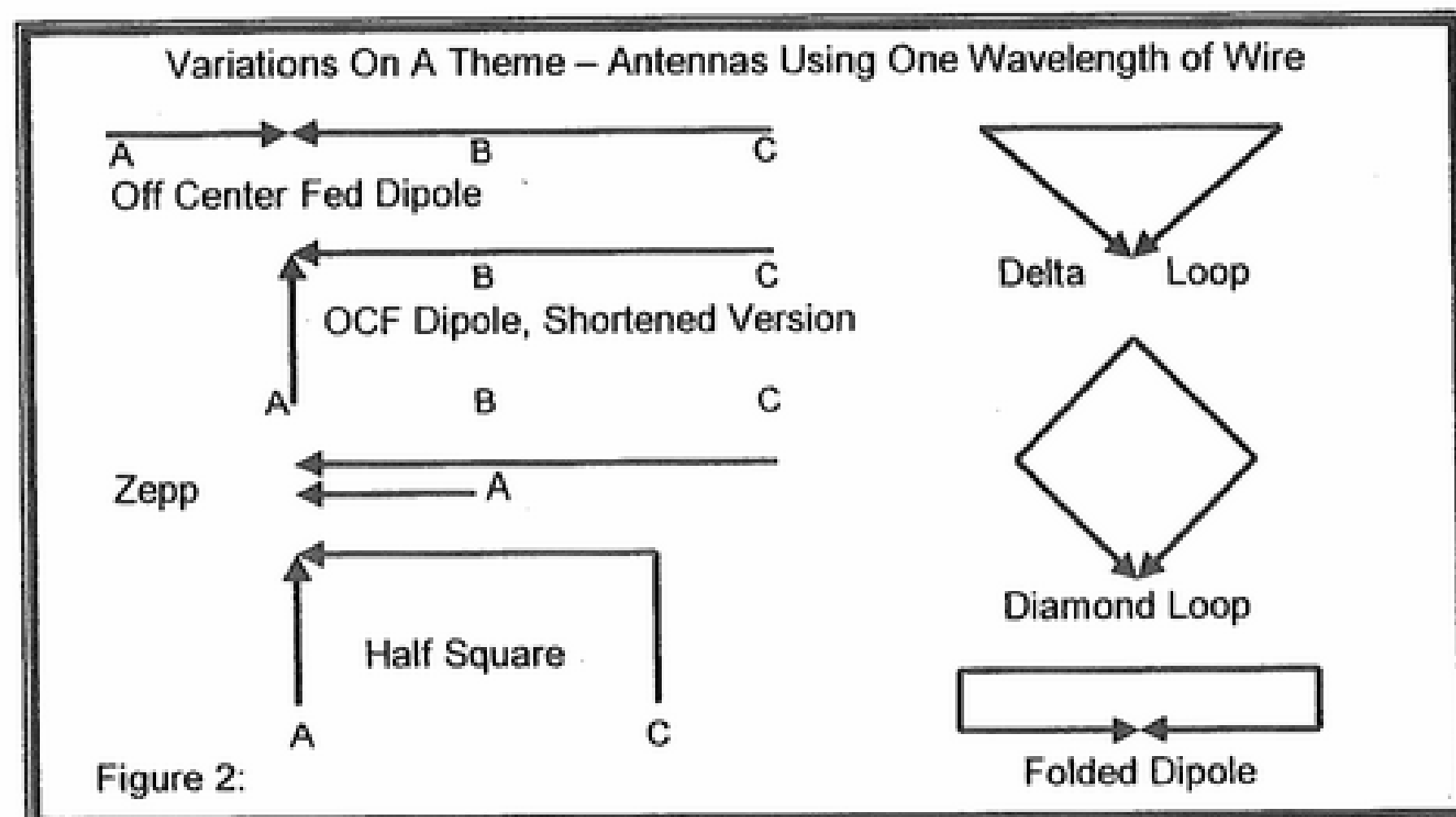
Example: A 10M \diamond Loop with tuned feed.

Calculate the loop: $1005 / 28.4 = 35.4$ ft.

Calculate the feeder: $492 / 28.4 = 17.3$ ft.

Total wire needed: 52.7 ft.

Cut 53' of 12 gauge solid THNN and mark the center of the wire. Measure 17.7 feet from each side of center and mark both points. Slide a dog-bone insulator up to the marks and secure the wire. The loop section is hung from the center mark and is 8.85' on a side. The balance of the wire is arranged into a parallel feed line using 1.5" spacers. Attach the coax to the feeder through a 1:1 Current Balun then prune the feeder in small steps until you reach best SWR. Do NOT use any metal masts or spreaders near the loop or tuned feeder! If the feed point is placed on a side point for vertical polarization, the feeder can point inward toward the support mast.



other directions. A high gain directional antenna can help you miss a QSO just as easily as it can help you make one.

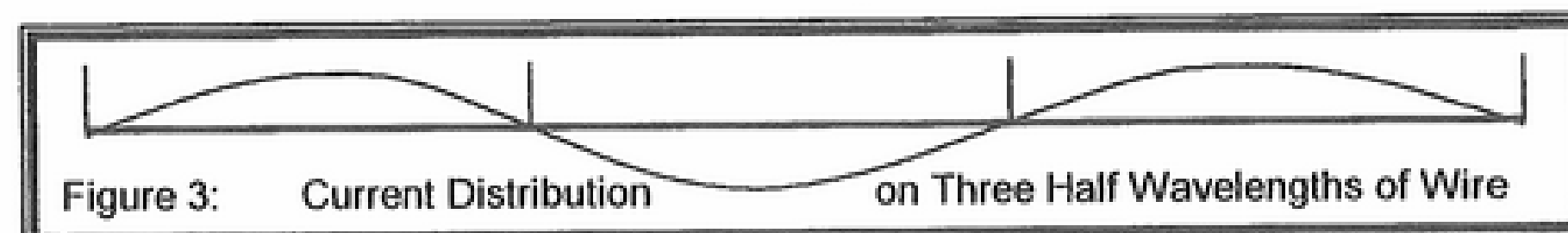
We can mutate our Off-Center Fed Dipole into a Zepp by folding the antenna at the feed point until 'A' meets 'B' as in Figure 2 and build a Half Square, Folded Dipole, or go loopy as in a Delta or Diamond. It depends on where you want the feed point, the radiation pattern, and the available space you have to work with. Experiment!

With this in mind, let me share Xander's First Postulate on Practical Antennas: "A good antenna is the goal, but don't forget a poor antenna is better than no antenna". Those of you who read antenna articles know the drill. Place your antenna as high and in the clear as possible. The optimum height for a horizontal wire is 1/2 wave above ground. Arrange the feed line so it's at right angles to the radiating section. Use a Balun at the feed point. All are important, but I won't compromise on the Balun. A good Balun can make a world of difference and is not difficult to build. As for the others, do your best but don't let a modest location keep you from trying.

Referring back to Figure 2, you can get a sense of the relative size of each antenna. Three of the antennas shown, the Delta Loop, Diamond Loop and Folded Dipole present a higher impedance because they are fed near a voltage peak.

of us shy away from loops because of the added difficulty in matching them to 50 ohm coax. Not To Worry, it's easier than it looks. The classic Quad feed method is 1/4 wave of 75 ohm coax like RG-59 or RG-11 inserted between the antenna and 50 ohm coax. It works, but I've found open wire tuned feeders are a little easier to tweak and can be more durable. Coax is great stuff, but not when it gets wet inside.

Next month we'll look at what can be



done with THREE half waves of wire instead of two. Take a look at Figure 3 for a quick preview. Notice how the center point of the wire is at a low-impedance current peak? That's a dandy feed point. If you cut three half waves of wire and put two of them in the radiating loop section, the remaining wire can be used as a 1/4 wave tuned feeder (Q Section) and pruned to perfection. Quick, Easy, Effective...

Why would you want to build anything more elaborate than a Dipole? Better Performance. In some cases a center feed point is inconvenient, but a Zepp and Half Square are end fed. Loops are legendary for tolerating QRN and in a noisy location may save your ears. In all cases, the more

As for my tip on making a Dipole easier to tune, cut your wire a little longer than formula and hang a foot or two (longer on the lower bands) as a short parallel feeder below the insulator. 1.5" spacers made from 1/4" C-PEX tubing work well with 12 gauge solid THNN. Prune the feeder as needed for best SWR. You'll find this is much easier than pruning from the ends and it might improve the match! Try it...

The QSO is out there.

Contents Copyright 1998-1999

by Nelson Derks – KC5QVV

" Illegitimus Non Carborundum

Ipsa Facto "



VHF Club NEWS

W5LOW

Elmer Goekler Memorial
Station

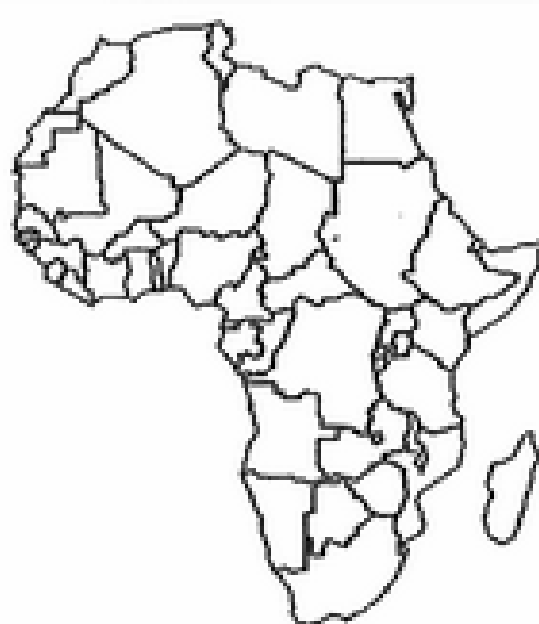
Central Oklahoma VHF ARC

The Central Oklahoma VHF ARC held the AUG 11 meeting at Hometown Buffet, 3900 N. W. 63rd. Meeting was called to order by Bill, WA5FWD, at 1130 with 12 present. Treasurers' report was given and approved. Bank statement shows a plus balance in spite of the club treasurer just returning from France and competing in the in-famous French Six Day Bike Race. Reports are that "they" won the race but were disqualified because he was on a tandem bike with his wife and that just wasn't allowed. Minutes of July meeting weren't located but were approved anyway.

Under old business, and new business members were reminded that for the September meeting everyone should bring (a present) a boat anchor that can be given in drawings to be held. Any old ham related or computer related item of little value will suffice, but should be HALF as big as a bread box or less. It is envisioned that the goodies will be placed in paper bags. So bring your (gift) and wear your lucky hat to the next meeting. Should be 8 Sept.

Everyone ate a whole bunch and meeting was adjo adju over with @ 1300.

73, de J.R. KB5WVE



African radio pirates

African radio amateurs are suffering an invasion from pirate radio operators and there appears to be little that can be done to stem the tide. Q-News Graham Kemp, VK4BB, reports on this growing problem on the African continent:

Tom, 5Z4GD reporting from Africa in the monthly bulletin of the Amateur Radio Society of Kenya, whilst monitoring for intruders alleges one hundred frequencies in HF Amateur bands being in use by illegal Somali stations during June. There were eighty on 20m alone, of which 25 had contact with illegal stations in Kenya. Representations have been made to the authorities but although action may be possible within Kenya and in fact a few such "communications bureaus" have been shut down and the operators charged there is nothing anyone can do about stations in Somalia or southern Sudan either, where there remains plenty of activity on 40m. There is rather less activity now from DRC in Zaire but it is still there and that country has never, under any government, acceded to the ITU.

What can be done to help the hams in Africa is unknown. As Graham says, complaints to a nation that does not follow ITU rules does very little.

(Q-News)

Ham radio aids following Salt Lake City Tornado

Ham radio operators sprang to action following a tornado that ripped through downtown Salt Lake City Utah on Wednesday, August 11th. The killed one person and injured 124 others as it blew out windows, toppled trees and hurled debris through the air.

Amateur radio operators involved in emergency communications were among the relief groups activated. Initial reports say that hams were assigned to damage assessment and other communications details.

(Newsline from published news reports)

Ham killed trying to aid accident victim

A Massachusetts Ham has been killed while attempting to aid accident victim. Fifty-eight year old Raymond Feeley, K1CSB, of Southampton died in the early morning hours of August 2nd while trying to assist a motorist who had struck a utility pole. According to information supplied by Larry Krainson, WB1DBY, Feeley came in contact with a live electrical line and was electrocuted while responding to the driver's cries for help.

(ARRL)

FCC enforcement

Four more hams have received unwelcome letters from the FCC. Two went to a pair of Indiana radio amateurs. The FCC alleges that both have been monitored transmitting on frequencies not assigned to the Amateur Radio Service. The other two notes went to hams in Puerto Rico and New York state. Each was ordered to take a retest exam.

(FCC)

Oklahoma Repeater Society, Inc.

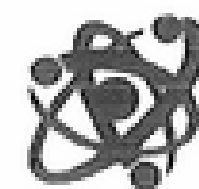
The next ORSI meeting will be September 18th, 1 PM
at the Brass Apple
2828 S Highway 81
El Reno, OK 73036

Check out our web page at www.qsl.net/orsi

Located between I-40 and Hwy 66 on the west side of Hwy 81. It is a lunch meeting in a private meeting room. Lunch will be available before the meeting scheduled to begin around 1pm. Approval of discussed amendments to the bylaws and selection of representatives from the SW, NW, and SE quadrants of the state are among the major topics for this meeting.

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ADA AMATEUR RADIO CLUB

The regular monthly meeting of the ADA ARC was held at the Salvation Army Headquarters on Oak street in ADA OK the meeting was called to order at 09:00 local by Scott, KD5AJL there were 14 members and guest in attendance. There is to be a VE session after the meeting.

I want to remind all our members that the September meeting will be on the 11th because of the Labor Day Holiday. The financial report was read and was accepted and seconded. The Field Day report was mailed in and is back.

John, KC5EZC has informed us of a group interested in putting an Automatic Packet Reporting System repeater in our area as there is already some interest this might encourage use of this system in and around Ada. We were also informed of a net starting on the 145:230 machine at Davis on Sunday nights at 20:00 local time.

Mason, WT5X informed us of coming changes to the form 610. We have used so long it is soon going to be replaced by the form 605 and the FCC is also requiring a Taxpayer Identification Number or a Social Security Number, there is also a way to obtain a License ID Number from the FCC on their web site.

In other business we are still planning to try and have a club picnic around October and we will make further plans at the next meeting. We need to be thinking about any suggestions? And NO Bandit goat is not on the menu per Darla, KC5RGU!!

Walt, Scott, and Mason will be our committee to work on reprogramming the repeater phone numbers and possible changes to the access numbers possibly every February after dues are paid. A motion was made and seconded to adjourn at 09:35 Local so the VE session could get started.

We had two Ladies testing. A Technician test was given and a 5 Word per Minute code test. Congratulations to Jane on passing her Novice and Technician tests we hope to hear you on the air soon. We hope everyone has a safe and fun Labor Day holiday.

D. E. Coffey, Club Secretary

Piedmont Comms

Ron, KA5RVM is setting up emergency communications for the city of Piedmont and requests that any ham that would willing and able to help in the event of an emergency please call him with your call, name and phone number. His phone number is (405) 373-4523.

42nd Jamboree On The Air

October 15-17, 1999

Jamboree On The Air (JOTA) is sponsored by the World Organization of the Scout Movement on the third weekend of October each year as an annual International Scouting and amateur radio event. Thousands of amateur radio stations around the world participate. In the U.S. Cub Scouts, Webelos, Venturers, Girl Scouts, former scouts and scouters, and Boy Scouts visit local amateur's ham shacks or sites during JOTA.

This year Boy Scout Troop 116 in conjunction with the Oklahoma City Auto Patch Association (OCAPA) is sponsoring an amateur radio site in conjunction with the Big Teepee District Fall Camporee. All amateur radio operators are cordially invited to come out and participate in this event. Sandwiches and drinks will be provided for all Ham Operators wishing to help. POC for amateur volunteers is Mark Hamblin, WL7FT or Mark Arnold, W5PDH at 732-2087

Directions: Call in Frequency is the OCAPA repeater on 146.820.

Miskelly State Park is located on the westside of Parker St. between N.E. 10th and N.E.23rd in Choctaw OK. If you come in on N.E. 10th, Parker is .2 mi. east of Choctaw High School. If you come in on N.E. 23rd, look for Bank One and Pizza Hut on two corners of the intersection.

FCC opposes KV4FZ appeal

The FCC says that it will actively oppose the renewal of the license of Herbert L. Schoenbohm, KV4FZ. This, when the case is heard by the United States Court of Appeals in Washington, DC in mid October.

Schoenbohm is the U.S. Virgin Islands amateur who was convicted back in 1992 of fraudulently procuring long distance telephone service by using illicitly

obtained telephone access codes. In the early 1990's the FCC designated his Amateur Radio license renewal application for hearing. An Administrative Law Judge denied his application saying that Schoenbohm's conviction reflected adversely on his inclination to obey the law. So Schoenbohm continued his appeals through the administrative process and into the Federal Court system. In recent times Schoenbohm has been represented by attorney Lauren Colby. Last May Colby filed a brief with the court that claims that the Commission's actions to deny KV4FZ license renewal is arbitrary, capricious and inconsistent with well established precedents. But the FCC counters by saying that regardless of what he may now claim, Schoenbohm has only appealed an agency order denying reconsideration, and his appeal was denied because it was not based on new evidence or changed circumstances.

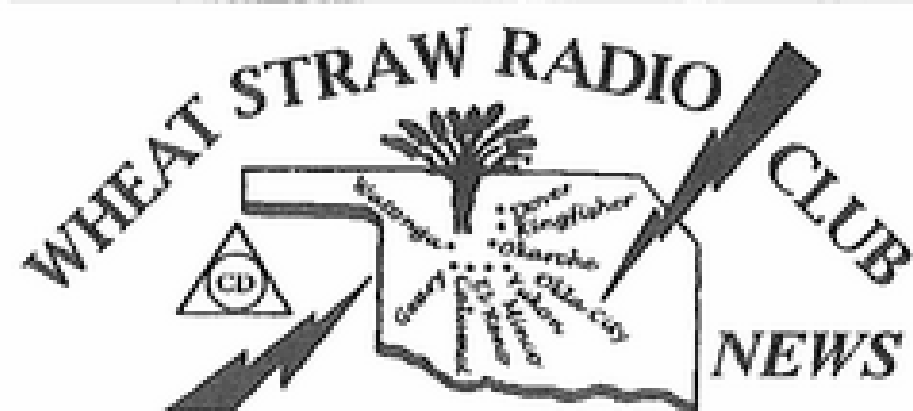
Attorney Colby says the circumstances have changed. Barring unforeseen delays, the case goes before the court on Monday, October 18th.
(FCC, others)

Susan Ness back to the FCC

President Clinton says that he will nominate Susan Ness as a member of the Federal Communications Commission. Ness, of Bethesda, Md., has served as a member of the FCC since 1994 and has been its senior Commissioner since November 1997. She has served throughout the FCC's implementation of the landmark Telecommunications Act of 1996 and currently chairs Federal-State Joint Board charged with addressing universal telephone service issues. Ness also served as the FCC's lead representative at the 1995 and 1997 World Radiocommunication Conferences in Geneva, Switzerland.
(Published news reports)

German ham convention down

Ham radio conventions here in the United States are not the only shows suffering from poor attendance. The recent European gathering known simply as the International Ham Radio show in Germany attracted only 18,000 visitors. While this is still the largest annual show of its type on the European continent, in years past it has welcomed in excess of 25,000 or more attendees.
(Newsline)



Wheatstraw Amateur Radio Club

Last week was a hard spell on the Wheat Straw Radio club. I do know the details but our president Neal, N5KCO fell somehow and hurt himself. He didn't feel like coming to the monthly dinner meeting at Canton Lake.

Wanda, KC5GTW had problems and did not get to come to the dinner and meeting. She is the reporter so I guess I will try to pinch in for her.

Our vice president called the meeting to order after every one had eaten all they could or should. The vice president is Leo, WZ5H.

There were fifteen there with no visitors this time. We missed you and we hope you missed us, I know you missed lots of good food.

The Wheatstraw repeater is putting out and receiving signals better than they have for some time. The technicians checked the antenna and it was burned badly in the inside. Most likely it had been struck by lighting. The next problem is new guy cable for the tower. If anyone has cable they could spare, contact Johnny, K5GBN; Neal, N5KCO; Joe, WA5FLT or any one in the club. We will get the message to the right person.

The next meeting was decided to be at the Christian Church in Dover if the building is available. If there are any changes you can get the message on the Wednesday night Wheatstraw Net at 9:00 p.m. each Wednesday night.

The net control will vary from one person to another. You are always welcome to check in if you have a technician or higher license, we will be glad to have you.

Oh! Yes Father Joe, W5JEB was at the meeting. He's feeling good and looking

good. In fact he was as spry as ever. It was certainly good to have him with us again.

The meeting closed before the sun went down.

Ralph, WA5PFK

Tuesday the 10th I decided I would cook out on the grille my lunch. I had not lit the grill yet. I needed to go back in the house for some more things. When I went back out of the house I saw the biscuits smoking, I thought what the heck is going on. Quickly I threw crushed ice on them. It cooled them down some, but they went on and cooked just about perfect. I looked at the thermometer and the glass bulb had burst.

The July meeting of the Wheatstraw ARC was held in the beautiful home of Neil Kappys and wife, located in El Reno. This was an ideal setting, as Neil has a large shed in his back yard, and it furnished shade for all present.

The meeting was called to order by Neil, N5KCO then minutes of the June Meeting were read by Johnny, K5GBN and approved by the club.

Father Joe Kolb was present for the first time in quite a while, as he was first living in the Altus area, then suffered a stroke, and is now living a center located in N. W. OKC. Mary, KB5FOR has also been ill, but is recovering nicely.

The Aug. meeting will be held at Canton Lake. The motion to adjourn was made, and was seconded by Leo.

We all enjoyed the refreshments provided by the members, as well as the nice visit by the members.

There were 17 members present, as well as Neil's wife and 2 Grandchildren.

Wanda, KC5GTW

The Misleading Thought By Scot L. Lucas

I get many credit card offers, perhaps two or three every day. They must think a whole lot of me, to loan more than I can repay.

They say I can buy an item, and they'll pay for it without fail. I think that is awfully thoughtful, and they don't say a thing about jail.

So maybe I'll heed their advice, and charge every thing I can see, cause these are professional bankers who must know more about it than me.

LAUGH with ERNIE

John confessed this week that he has an occupational disease," He dislikes work.

Sooner or later a man reaches the (B) years of life --- baldness, bridgework, bifocals, and bulge.

Harold: "Sometimes I think I am a natural born loser."

Jerry: "Gosh, what makes you feel that way?"

Harold: "I just received a big bundle of Junk Mail and it all was stamped " postage due"

Work And Play

FARMER BROWN: "Why do you have your prize bull hitched to a plow?"

FARMER JONES: "Because I want to teach him life ain't all play."

Navajo Space Message

NASA was doing astronaut training on a Navajo reservation. An elder, who only spoke NAVAJO, His son came across the astronauts. The elder asked, "who are the men in the funny suits?" The Astronauts explained they were practicing for a trip to the moon.

The Elder became excited and asked if he could send a message in Navajo. The astronauts agreed and the old man recorded a message for them to take to the moon.

The astronauts took the tape back to NASA to have it translated. It said, "Watch out for these guys. They have come to steal your land."

I'm A Dollar By Letha Fuller

I'm a dollar, I don't rate of late, I don't go far in 1998. Once I bought a sack of flour, a bushel of fruit' I got a good meal and change to boot.

My dollar bought a haircut and shampoo. Took me to a circus, bought popcorn too. A dollar bought trousers, dress and hat.

Bought a couple kites, baseball and bat, A teddy bear, baby doll or doll carriage. Even bought a license for a marriage. Why can't I be like people who grow in size? Each year I shrink in value, as you realize.

Take a look at me, I know I won't last. Some day I fear I'll be a thing of the past.

Between The Raindrops

By Debra Auerbach

Between the raindrops I can see. The loveliness, God has granted me. Though clouds and storms, There'll come a time. When rainbows appear and the sun again shines.

Then life returns as it did before; God paves many roads toward open doors.

Tater___ Picking Days

By Elmer E. McCormick

Last I gazed with longing eyes, Where the taters used to grow; Oh, it seemed that I could see them, in their never ending rows. It was then this flashed before me. Midst summer's bluish haze. And I relived for but a moment. The later picking days.

See, after the chill of autumn had blackened all the weeds, E'er they scattered near and far Their multitude of winged seeds. And the hoary frost of autumn had set the forest ablaze. Dad would say some morning, "Boys, These are tater-picking days."

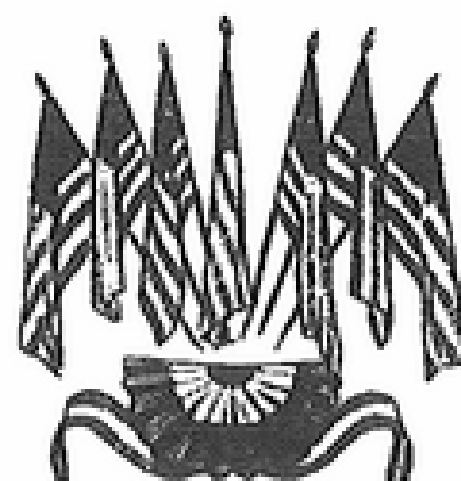
That meant a hearty breakfast. Eaten with gusto and with zest. For we knew for tater-picking We must be at our very best. And e'er the chores were finished. To our chums we'd proudly say, "We ain't going to school ---'cause this is tater- picking day."

Well, as Dad plowed a furrow right down the later row, We'd follow close behind him. Where the Irish taters grow! Oh, we'd gather up those taters. Both the large and the small, for we seemed to relish helping pick taters in the fall. When the job was finished. And all were gathered in, We'd often set and marvel at those taters in the bin.

And thank GOD for his mercies And those taters that we raised. And long again for autumn. And the tater- picking days.

Now I would like to close out with a letter, I wanted to send it in for the fourth of July. Some how I misplaced it. It's a letter that is close to and dear to our hearts.

On January 25, 1991, Staff Sergeant Michael R. Conner of Fremont died in Saudi Arabia, the first recorded death of a California Bay Area soldier. The following poem was written by Sergeant Conner in the Saudi desert and sent to his family at Christmas.



My Symbol

I had a dream near 3 a.m. That crashed into the night A multitude of warriors Standing in full sight. On their anguished faces. Were grim and hateful glares; They wore Marine Corps blouses Yet all they did was stare.

I saw wounds of Belleau Wood, I saw the scars of Guam, The dead were there of Heartbreak Ridge and a company from 'Nam

Then, one spoke out and ask me A question loud and strong: "Can they burn the FLAG we died for? How can it NOT be wrong?"

I did not have an answer To ease their angry pain I could only give excuses For a country gone insane...

I saw the flag on Iwo Just before I died I saw that lead pole lifted Where the flag was safely tied.

I know it's just a symbol That flies above our graves. But, let it be a symbol Of what these men and I gave.

With that, the dream was over. And I awoke with fear and shame. To think a FOOL, can trample The FLAG that bears OUR names.

May GOD bless and keep us all,

Ralph WA5PFK

Sweden goes slow-code

Meantime, slow-code licensing has come to yet another European nation. This, with word that Swedish Telecommunication regulators have released new set of rules for their Amateur Radio service. Among the key point is a lowering of the Morse testing standard to five words per minute to gain access to the High Frequency bands.

According to Ozz Leine, under the new system there are now only two full term license classes in Sweden. They are called Class 1 and Class 2. Holders of the Class 1 license are permitted to use all of the amateur bands while holders of Class 2 licenses are the equivalent of our code free Technicians. They can only operate on frequencies above 30 MHz.

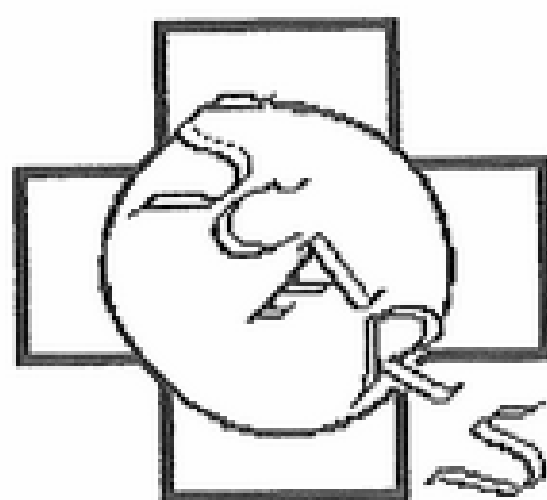
But here is where slow-code comes in. For Class 1 the Morse code examination speed was reduced from 12 words per minute to 5 words per minute. No Morse code examination is needed for Class 2.

But that's not all. For training new hams, Sweden now has a short term Training class of license. Its non renewable and good for only three years. As its name states, its purpose is to assist in preparing candidates to take either the Class 1 or Class 2 exam.

So, has slow-code licensing worked in Sweden? Ozz e-mail says that many holders of the codefree Class 2 license have already passed the new Morse code examination and received Class 1 certificates. As a result more people are getting on high frequency phone and radio sales are brisk.

Ozz says that the keyword among Swedish telecommunications authorities is deregulation. He says that in the sear future these regulators are expected to agree on an even more liberal licensing policy but it is too premature to address that issue right now.

(Sweden Poste & Telecom)



South Canadian Amateur Radio Society

Regular Meeting - August 14, 1999

On July 30, we all lost a friend and long-time member of our Club. Bill Oliver, K5KDR, passed away at his home in Norman. His passing was sudden, but we will long remember Bill's devotion to his family, this Club and our community. He will be missed.

The minutes for last month's meeting were accidentally left out of last month's C&E, so the editor advised he will print them in this month's issue. Thanks Hal, for all your great work. Yours is a very tough job, and we appreciate you!

The August meeting of the South Canadian Amateur Radio Society was held on Saturday, August 14, at the Red Cross Building in Norman. The meeting was called to order at 9:35 by Club Vice President Tom, KD5ENL. After the customary introductions of all present, Jeff, KE5EB gave the Treasurer's report. No one wanted to spend any money this month, so we moved on to Ken, N5BEW, to hear about the health of the repeaters. Ken advised of a phone line problem which has now been cured. Everything else is working just fine. Tom, KD5ENL gave us a short C.O.R.A. report. Tom informed us that Ham Holiday attendance was down slightly this year. He also

thanked all of our Club members who did so much to help set up for Ham Holiday. There was some discussion about the fact that SCARS is always very involved in the preparation and setup for Ham Holiday, but that we never seem to get the same recognition the other Clubs get. Tom will discuss the situation at the next C.O.R.A. meeting. But in the meantime, please allow me to take the following liberty.....

On behalf of our own Club, we would like to publicly thank ourselves for all the incredible work we have always done to help other local Clubs with the preparation and setup for Ham Holiday. Actually, they were really just helping us, as we really did most of the work. Truth be known, Ham Holiday would never happen if it weren't for the wonderfully talented members of S.C.A.R.S. We deserve, and are now receiving (thanks to us), a giant pat on the back for all the sacrifices we have made in order that our Amateur Radio brothers and sisters may enjoy the spectacle and sheer magnificence of Ham Holiday....thanks to us.

(OK, now lighten up....it was just a joke) I'm quite sure, however, that the "official" thanks we receive from C.O.R.A. will very closely resemble the one just published. We shall see!

Returning now to the meeting, Gayland, KC5MMU asked for more volunteers for Red Cross emergency operations. More folks are needed to assist with radio communications. Contact Gayland if you want to help! Mike, N5DKR, has assembled a web site which contains all the information you will ever need concerning Volunteer Examiners and examinations. The URL is <http://home1.gte.net/n5dkr/veteam.htm> Check it out!

Mike, N5SOF, gave a presentation on the new Club apparel available to SCARS members. He passed out order forms and asked that all orders be turned in at the September meeting. All orders will be processed and delivered at the

October meeting. Contact Mike if you have questions.

The meeting adjourned at 10:13.

Jeff, KE5EB

Secretary/Treasurer/Public
nightmare

Relations

Minutes

Regular Meeting - June 12, 1999

The meeting was held on Saturday, June 12, at the Norman Red Cross building. Club President Dennis, KC5EVH, called the meeting to order at 9:30 AM.

Due to a recent break-in at the Red Cross the building has been re-keyed and a new alarm system installed. All club members are advised to use only the front doors for the meetings. Attempts to exit the side doors will set off the alarm.

During the May meeting the club voted to make donations to the Red Cross and Salvation Army. Those donations have been made.

TREASURER'S REPORT: The Club Treasurer Jeff, KE5EB, was enjoying a well-deserved vacation. As a result there was no treasurer's report given.

C.O.R.A. REPORT: Tom, KD5ENL, related CORA would hold drawings and give away free prizes during Ham Holiday. Any person may pick up a free ticket for the drawing at the front entrance to Ham Holiday. There is a limit of one ticket per person. Each person who pays to get into Ham Holiday will also be given a free ticket to qualify them for the drawings. There will be no purchase required to get a free ticket for the drawings.

FIELD DAY: The club is preparing for Field Day. As in recent years, the club will hold Field Day at Reaves Park on Jenkins Street in Norman. The small pavilion at the southern end of the park has been reserved. A \$200 allowance was made for Field Day expenses, including food and drinks.

Since the club will be trying for points during Field Day, Dennis suggested we each review the May issue of QST for the rules surrounding the 1999 Field Day Events. For example there may be 100

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points given for informational pamphlets, 100 points for news coverage, double points for CW contacts, etc.

Gayland, KC5MMU, and the Red Cross each have a generator that the club may use for power.

Gordon, W5OU, and Louis, KC5ABI, will allow the club to use their call signs for the contests.

Louis will also provide a tower for Field Day. Ken, N5BEW, and Bill, N5UMH, will provide antennas and other equipment for the event. Many others volunteered to provide time or supplies.

Dinner is scheduled for around 6:30 PM. Fred, N5HZX will cook the meat for the event. Everyone else was asked to bring a vegetable or dessert for the potluck dinner.

MEMBERSHIPS: Jim, NW0K, reported there are 435 Hams with Norman addresses that we might tap for membership. He will create this list from his database for the next meeting. He has already contacted about twelve of these people. A motion was made and seconded to allocate up to \$60.00 for postcards and postage for notifying some of these people.

That dreaded WORM.EXPLORE.ZIP virus

Computer support lines continue to be overwhelmed by calls reporting new outbreaks of a software virus that spreads by e-mail as well as shared files on networks. Worm.Explore.Zip continues to take its toll on the nations personal computer systems as anti-virus companies has warn that the new file-destroying bug may be a lot more lethal to computers than first thought.

When it first surfaced in Israel a week and a half ago the primary means of infection seemed to be through e-mail messages that try to trick the recipient into opening an attached file. This activates the virus. No, its been learned that the bug has the ability to mutate and worm its way into other computers linked to the same network server.

Worm.Explore.Zip only targets computers using Microsoft Windows operating

systems. The virus arrives in a person's e-mail box as a timely reply from an acquaintance, inviting the recipient to open an attached file. That action releases the virus that spreads by sending a copy of itself to the address of any arriving e-mail and destroying files stored on a person's machine, including those created by the popular programs Microsoft Word and Excel.

So if you get a note with an attached file from someone you don't know -- or an unexpected one someone you do know that contains an attached file, we suggest you do the following. Call them or e-mail them and ask if they really sent it. If you don't it could cost you all the data stored on your machine.

(Compiled from various published news reports)

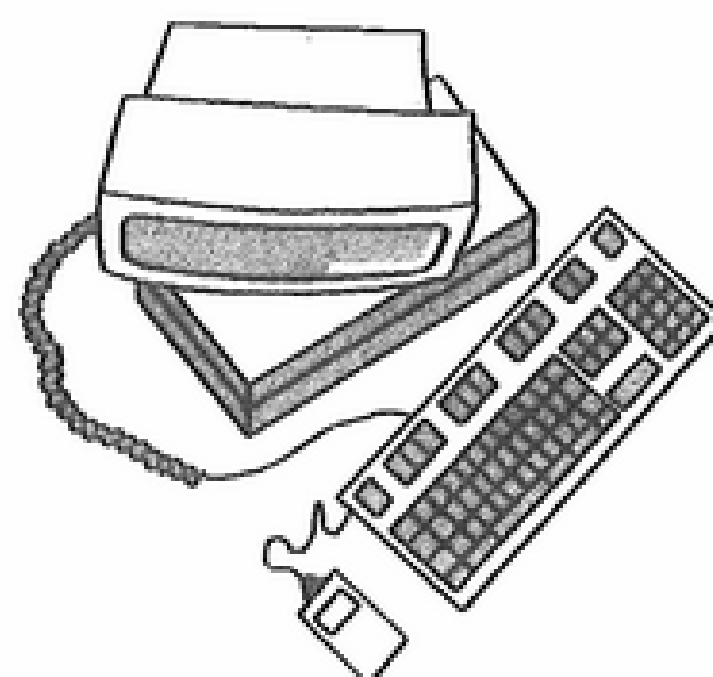
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Attorney Colby says the circumstances have changed. Barring unforeseen delays, the case goes before the court on Monday, October 18th.

(FCC, others)



Mitnick sent to prison

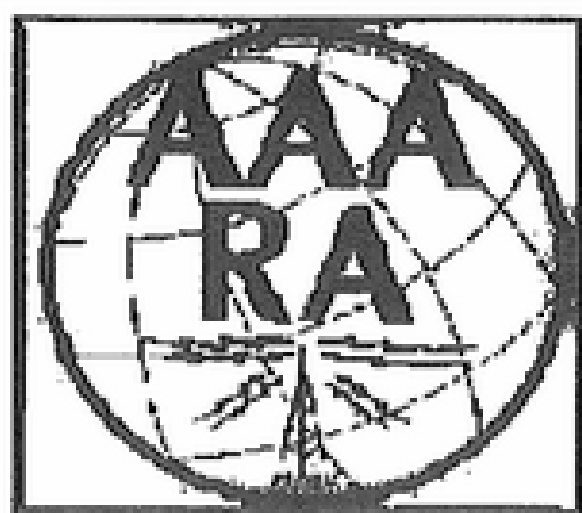
A follow-up to a story we reported last week concerning computer hacker Kevin David Mitnick, N6NHG. Mitnick, who pleaded guilty earlier this year to computer and wire fraud charges, has been sentenced to federal prison and ordered to pay \$4,125 in restitution.

On Monday, August 9th, U.S. District Judge Mariana Pfaelzer sentenced Mitnick to forty-six months in jail and imposed the fine. Pfaelzer also banned the thirty-five year old ham from using computers or the Internet for three years after his release.

In issuing her ruling, Judge Pfaelzer called the \$4,125 in restitution a token amount given the damage she said Mitnick had inflicted on companies whose computers he infiltrated. But the judge said she was imposing the fine because she wanted to set an amount that she could require him to pay as a condition of his release.

Mitnick has been in jail since February of 1995 for breaking probation on an earlier conviction and fleeing authorities. Given time N6NHG has already served, he will likely be released from custody by early next year. No word on whether or not the FCC will seek to revoke Mitnick's license as it has for several other hams convicted of communications related crimes.

(Published news reports)



Altus Area Amateur Radio Association

Meeting held at 711 W Tamarack Rd. Altus, OK on 12 Aug 1999.

President James, AB5FS called the meeting to order just after 7.00 PM with 15 members attending.

Last month's minutes were read and approved.

Treasurer's report was read and approved.

Under old business it was reported that there may be funds available for the Communications Van restoration project. The van has been rebuilt on the inside with 2 operating positions. It has been suggested that the damaged ceiling vent be replaced with an air conditioner which will be sorely needed if the van has to be deployed during these hot weather days.

The Club Repeater is progressing satisfactorily with only a heat sync needed according to Jonathan, KC5HUV.

Ham Fest and Rummage Sale status was reported on by Mike, W5VXU. At the present time, all the ARRL paperwork is completed and sanctioning has been obtained. The mailing labels are in hand, the location for the Hamfest has been secured, the lunch caterer has been selected and the Band is ready to go. The date for the Hamfest has been set for Oct 23.

At the present time, 5 tables have been sold. Lunch will be served buffet style by the Fortune Cookie of Altus, Radio Shack has agreed to set up 2 tables and Kenny's Kustom Etching will man one table. The Community Center rental fee for the day has been taken care of and a letter requesting waiver of this fee has been sent to the Altus City Mayor. Also, a grant

from the Economic Development group in Altus has been applied for.

Ron, KB5UVC, reported that the local Civil Air Patrol is losing many of its officers and they are in need of some experienced people to help them in keeping the local flight in business. Further, there is going to be an Explorer Post established by the Altus PD and the Altus AFB Security Police.

KC5HUV reported that the building where the Club meets is wired for the internet and that it might be very useful. This possibility of attending the Club meetings through the Internet is being looked into.

Mike, W5VXU asked for opinions about allowing advertising signs on the walls during the Hamfest. The subject was discussed and majority opinion was that this idea should not be pursued. John, KC5HUV suggested the possibility of getting the local radio station to advertise the Hamfest through their remote operation was discussed and then turned down due to the high cost involved.

Christmas Fund donation - John, KC5HUV. He is getting real good at this.

James, AB5FS, advises all members that they need to park their vehicles in the regular parking lot and to refrain from parking along the driveway to the building. This will leave the visitors slots for the regular visitors.

The meeting was adjourned just before 8.00 PM.

AAARA Test session 24 Aug 99, had a good outcome with a New Ham in the Tech side of the house. Congrats.

Mike, W5VXU took the Minutes for Ron, KD5CYW while he was Out of State.

DX

In DX this week we have one for VHF grid square hunters. Word that NW7O has been heard operating from grids DN56 and DN57 and that he is headed for DN58. He is monitoring 50.135 on 6 meters for contacts and 7.175 MHz on 40 Meters to coordinate.

(VHF Reflector)

Also word of a new Amateur Radio portal on the Internet and it is a first rate effort. Setup by G4KIU, the design is simple and fast, and a unique asset for the RTTY DXers of the world. Go to:

www.dxbands.com to see for yourself.
(G4IKU)

And Colonel Bernie Skoch, K5XS, asks that we pass along that the 1999 Air Force Party is slated for September 18th and 19th. More information is available at:

<http://ourworld.compuserve.com/homepages/k5xs>
(K5XS)

Kosovo Refugee radio

And finally, the war in Kosovo may be over, but there are still many Ethnic Albanians in refugee camps waiting to go home. And for them, word from their homeland is important. Now hams in Scotland and England are bringing that word to the refugees as we hear from RSGB News presenter Jeramy Boot, G4NJH:

Kosovo Albanian Refugees in Springburn, Glasgow up there in Scotland have been given a vital link to their homeland thanks to the efforts of Keith Ross, GM4DAE. In June GB2RS provided details of Albanian language shortwave broadcasts.

Well, this prompted Keith to contact GB2RS News Manager Gordon Adams, G3LEQ. As a result, Keith visited the refugee center in Glasgow and set up a Lowe HF 50 receiver and a long wire antenna. So the residents are now able to receive Albanian language news.

Refugees in Elviston, Cumbria have been helped in a similar way by G4AGB, G7MCE and G0LSU.

With all the marvels of todays communications satellites and the Internet, it still appears as if nothing brings word faster to more people than radio.
(RSGB, G4NJH)

Enid Amateur Radio Club

Minutes of the August 1999 Enid Amateur Radio Club Meeting/Ice Cream Social 26 August 1999 Meadowlake Park, Enid, Oklahoma

The meeting was called to order by John, KA7GLA at 7:05 p.m.

Members and guests in attendance were: President John KA7GLA, Dave KC5GUD, Dale WD5GUG, Shelva Jean N5VMR, Sam KD5EUS and Anna, Dan "darn-near almost 40" KM5DH (sans motorcycle), Mike N5WUH and his daughter Amber, Gene N5SPY, Dwayne KC5QVS, Curtis KD5GQU, Randy KB5CWF, Eldon KC5RRS, Bill KC5OKG, Rev Don N5JEU, Walter "won't-miss-the-free-food" AA5LI, Ray W5REC and sidekick Della, "Enid's finest" Mike Coleman in the "topless" patrol car", and several other wives and friends.

The treasurer's report was presented by Bill, KC5OKG and approved. There was no correspondence.

Old Business: There was no old business.

New Business: There was no new business.

Monkey Business: In "democratic" fashion, the club signed a special "presidential edition" birthday card for our own favorite son, Dan KM5DH, celebrating his very last day as a man in his 30s. He went out in style. In an attempt to break a long-standing club record for the shortest meeting, a call for adjournment was made and quickly seconded at 7:08 p.m.

Then the fun began! The ice cream social was a great success! Home - made ice cream and desserts of all flavors were on hand and enjoyed in the late-August heat. As the sun faded behind the trees, the temperature dropped to a very pleasant level, and the club members delighted in the great desserts, super camaraderie, and even a few QSOs on the club Yaesu FT-

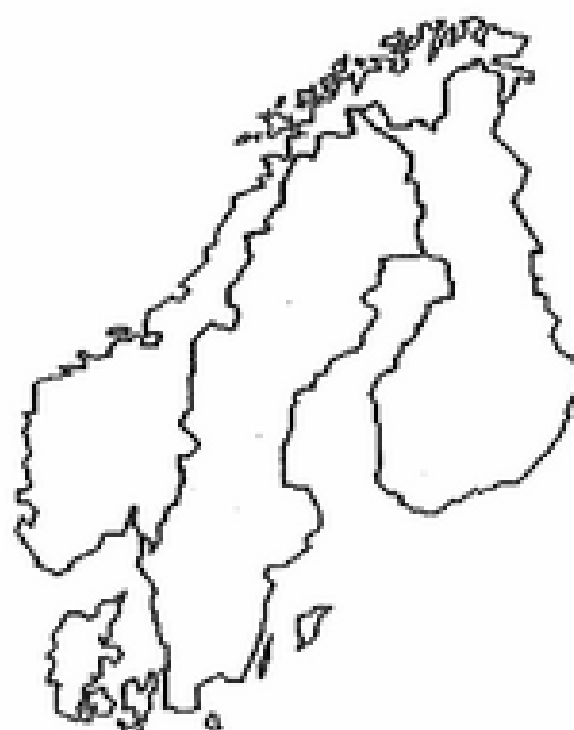
900. The break-over pole bolts had *not* rusted shut (much to John's relief), and Sam and Dave erected the "Cotter DX Special" dipole in spite of the fast-growing tree next to the pole. Sam even learned the difference between "male and female" today (at least as far as COAX connectors go!). 40 meters was active enough for several nice phone and CW QSOs in the states of Nebraska, Florida, Colorado, Michigan, Alabama (right in the heart of Dixie we were reminded) and one even as far away as Bangor, Maine!

If your club has not tried an event like this, we recommend it! Hopefully we'll be there again next year for more ice cream, DX QSOs and fun!

The next meeting will be held on Thursday, September 23, 1999, 7:00 p.m. at the Red Cross headquarters, Enid. See you there!

73's

Dave



Sweden goes slow-code

Meantime, slow-code licensing has come to yet another European nation. This, with word that Swedish Telecommunication regulators have released new set of rules for their Amateur Radio service. Among the key point is a lowering of the Morse

testing standard to five words per minute to gain access to the High Frequency bands.

According to Ozz Leine, under the new system there are now only two full term license classes in Sweden. They are called Class 1 and Class 2. Holders of the Class 1 license are permitted to use all of the amateur bands while holders of Class 2 licenses are the equivalent of our code free Technicians. They can only operate on frequencies above 30 MHz.

But here is where slow-code comes in. For Class 1 the Morse code examination speed was reduced from 12 words per minute to 5 words per minute. No Morse code examination is needed for Class 2.

But that's not all. For training new hams, Sweden now has a short term Training class of license. Its non renewable and good for only three years. As its name states, its purpose is to assist in preparing candidates to take either the Class 1 or Class 2 exam.

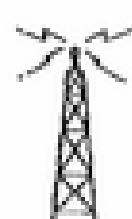
So, has slow-code licensing worked in Sweden? Ozz e-mail says that many holders of the codefree Class 2 license have already passed the new Morse code examination and received Class 1 certificates. As a result more people are getting on high frequency phone and radio sales are brisk.

Ozz says that the keyword among Swedish telecommunications authorities is deregulation. He says that in the near future these regulators are expected to agree on an even more liberal licensing policy but it is too premature to address that issue right now.

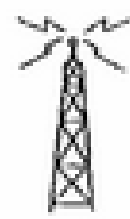
(Sweden Poste & Telecom)

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Mike LaPuzza - KM5QX
(405) 745-3394 or 745-1019
e-mail: km5qx@juno.com





Oklahoma City Autopatch Association

Minutes of the OCAPA meeting for August 17th, 1999.

Loyd Hargrove, AB5I, showed a tape on tower safety prior to the start of the meeting. All volunteers who want to do tower work need to watch it.

The meeting was called to order by the president of OCAPA, Glynn Massey, N5WNL, at 7:43 PM. There were introductions all around.

President's Report: The president noted that we were short of funds in the Scholarship account. Motion was made that the shortage be made up with funds from the General account. Motion was passed.

Treasurer's Report: The treasurer's report was accepted.

Secretary's Report: The secretary being absent from the July meeting, there is no secretary's report.

Technical Committee Report: The repeater is in good shape. The repeater shack will need a new roof, new windows, and the trim needs repainting. We may want to consider heat/ac for the repeater shack. They have also acquired the elements for a six-meter repeater. All we need are the cavities.

SK: Jim Buswell, N5BEQ, died of a massive heart attack. His funeral was August 20th, 1999 at St. Joseph's Catholic Church in OKC.

Awards.

Larry Beavis, KC5ADP, received the ARRL's Rag Chewers Award and the ARRL's Friendship Award at the meeting from N5OHL.

Elections: Mark Watkins, KD5CXP and Glynn Massey, N5WNL were nominated for president; Glynn Massey won.

Ron McCubbin, KC5QCV and Keith Baker, K15XA were nominated for vice president; Ron McCubbin won.

Forrest Rush, N5VWF was nominated for secretary; Forrest Rush won.

Mark Watkins, KD5CXP was nominated for treasurer, Mark Watkins won.

ORSI: John, N5SAM reported that the next meeting of the Oklahoma Repeater Society, Inc. will be at the Brass Apple in El Reno, OK, at noon on September 18th, 1999.

MWC Hamfest: The next MWC hamfest will be at the MWC Community Center on October 9th, 1999. The gate opens at 8AM.

Next meeting: The next OCAPA meeting will be at 7:30 PM on September 21st, 1999.

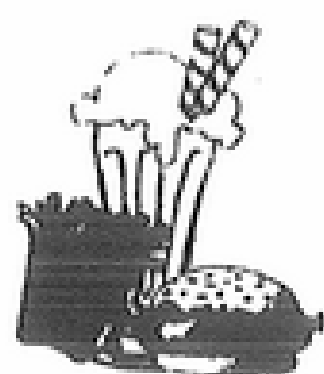
Respectfully submitted,

Forrest Rush, N5VWF
OCAPA Secretary



N5WNL
GLYNN MASSEY

KC5VZN
JAN MASSEY

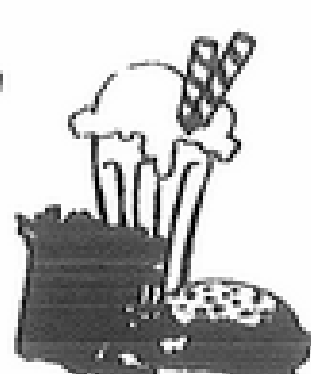


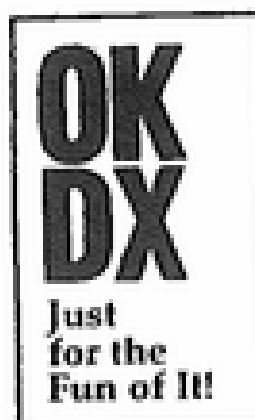
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OKlahoma DX Association

From Da' Prez Elect...

By LARRY SHIMA, W0PAN

QST QST QST EVERYONE IS INVITED!

Make your plans now to attend one of the finest amateur radio events in Oklahoma this year! The Oklahoma DX Association Banquet is 'the' OKDXA event of the year and you are invited to join us on Saturday, September 25th in Midwest City. You'll enjoy a world class program of DX Adventure, a fine BBQ dinner and great fellowship. Bring your spouse, bring your children, bring your friends; everyone will have a great time and DRESS IS CASUAL!

The OKDXA is extremely pleased to have one of our most experienced members visit us from Arizona to share his DX adventures. World traveler Frank Smith, AH0W will show slides of his Myanmar and Rodriguez Island DXpeditions. Our Edmond DX whiz Alan Clark, N5PA will show slides of his recent DX operation in Malawi while on a missionary trip. ARRL West Gulf Division Vice Director Coy Day, N5OK will discuss the new DXCC 2000 'Millennium' Award. And, as if that wasn't enough to fill an evening, the OKDXA "Ham of the Year" will be announced. WHAT A PROGRAM!

Dinner will be catered by the Oklahoma Station BBQ and will include four meats with all the trimmings and dessert. No one will go away hungry! It all happens on Saturday, September 25th in the Midwest City Community Center at 100 North Midwest Boulevard, just north of Reno Avenue in Midwest City. Take I-40 east bound past Tinker AFB to the Douglas Blvd exit, then north to Reno Avenue, then west to Midwest Blvd. Go right one block (across from the TARGET STORE) and you will be 'destinated'.

The doors open at 5:30 p.m. with dinner served at 6:30 p.m. Come on out and have a great evening! This program equals some of the biggest conventions in the

country. Don't delay, and don't forget, or you will regret..... that you missed it!

**Tickets are \$12.00 per person.
Your reservation and payment must
be received by September 13th!**

Mail to: **OKDXA BANQUET**
c/o Mark Byard, N5OG
504 Foster Avenue
Ponca City, OK 74601-2519

The OKDXA Net is now on MONDAY
NIGHTS at 6:30 PM ⇒ 3860 kHz +QRM

From Da' Prez...

By BRUCE BURNETTE, K5PX

For those of you wondering if K5PX would miss the deadline for his last opportunity to post a column as the OKDXA President...

You Betcha'!

To paraphrase a previous column:
Until (something), Just Work 'Um !!!
- KC5QVV

The OKDXA Net is now on MONDAY
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From Da' Editor...

By NELSON DERKS, KC5QVV

Just a week or two until the first good cold front sweeps in to rescue us from the heat, and I'm ready for it... No radio miracles to report this month, although BCTV DX'ers may be interested to know that KWBT Channel 19 (Muskogee/Tulsa) is currently testing and licensed for the legal limit of Five Megs visual ERP with a stick at 850' HAAT in the rolling hills between Haskell and Okmulgee. The usual setup for a maximum megawatt UHF is a pair of 50kW heaters (duplexed) and you haven't lived until you've seen the RF plumbing they use. No Doubt the stockholders at PSO are thrilled by the billing prospects...

And speaking of Big Guns, (?) I was able to work the N2OB Special Event station from 'OLD BARNEY', the lighthouse on Barnegat Bay, NJ mentioned last month. The Greenhead report was 'negative' and that's good. 'Greenheads' are a large salt marsh fly notorious for aggressive feeding habits. They can chew through a T-shirt with ease and tear a divot out of your back before you can say @\$% Greenheads...

The OKDXA Net is now on MONDAY
NIGHTS at 6:30 PM ⇒ 3860 kHz +QRM

Secretary / Treasurer Report...

By MARK BYARD, N5OG

• The Last Hurrah!

Well folks, this small submission will mark my last contribution to the OKDXA Newsletter after six years as your Secretary / Treasurer. It has been a great experience for me and I consider it a privilege to be associated with this group of DX'ers. It has also been a special honor to serve under three fine presidents, Coy Day, N5OK; Jim Hood, K5TT; and Bruce Burnette, K5PX. Bruce, I think you are a great guy no matter what Hudson says, and two out of three ain't bad even if it is true! I am excited about our future and I feel the membership has placed our Association in very capable hands.

As my last "Hurrah" I have recommend to our board that the OKDXA form a loose sponsorship with three notable DXers, Jacky Calvo, F2CW/ZL3CW (who recently activated E4) Baldur Drobnica, DJ6SI who activates at least one rare one per year, and OKDXA member Frank Smith, AH0W. Jacky and Baldur have already enthusiastically accepted our offer of help with their DXpedition expenses and I suspect Frank will as well. All three of these men are A-1 DX ops and this is an excellent way to get the OKDXA logo on some of the most sought-after 'Primo' QSL cards in the DX World!

• It's Dues Time Again... Yes it is!

I guess it would be appropriate for my last official act to be an announcement that it's DUES TIME! The OKDXA association year ends on September 30th so this is our "Dues Drive Month" and dues become delinquent on December 1st. Prior to Oct 1st, send your dues to N5OG. (address in the OKDXA Banquet announcement) After Oct 1st, send your support to our new Secretary / Treasurer, Alan Clark, N5PA. (address at the end of this newsletter) Our membership is currently at 93. This is a great membership level, but 100 is such a nice, round number! I hope each of you will continue to support the OKDXA in 1999 and 2000.

Alan and I will be spending the month of September transferring the checking account, membership files and changing the forms and web site to reflect the new Secretary / Treasurer address.

• Welcome Our New Members!

I am very happy to welcome our two newest OKDXA members! Welcome to TIM DUFFY, K3LR of West Middlesex, PA. Tim is a friend of Jim Hood, K5TT. (but we let him join anyway) A welcome also goes out to ALAN SEWELL, N5NA of Oklahoma City. Both Tim and Alan joined mid-summer for the new year and took advantage of our policy of new members joining in the last quarter and getting that quarter free. Welcome Guys!

E-mail Updates:

DUFFY, TIM k3lr@contesting.com
SEWELL, ALAN n5na@arrl.net

And a correction: (oops!)

CLARK, ALAN n5pa@arrl.net

• That's All Folks ...

As Porky Pig used to say, "That's all folks". I look forward to becoming a regular member of the OKDXA, but unfortunately I won't be able to make the banquet on September 25th... I'll see you all next spring at the Tulsa HamFest.

Until Then, '73' de N5OG

The OKDXA Net is now on MONDAY NIGHTS at 6:30 PM \Rightarrow 3860 kHz +QRM

The 7Q7PA Malawi Operation

By ALAN CLARK, N5PA

International travel rarely goes as planned, but I followed my Number One Rule: "Be Flexible!" We departed Oklahoma City at 8:30 a.m. on July 1st headed toward Blantyre, Malawi in southeastern Africa. Our route took us from DFW to Miami and included a 17 hour non-stop flight to Cape Town, South Africa. After a 1 1/2 hour layover to refuel we were on our way to Johannesburg. Jo'burg, as it is called, is a very large city with about 3.8 million in the metro area. There are only two flights a week to Blantyre, on Tuesday and Saturday, so we spent the night in Jo'burg. The Southern Baptist Convention has a guesthouse for traveling missionaries and missionaries who come to South Africa for medical treatment. After we cleared customs and immigration we were greeted by Gerald and Barbara Workman, two familiar faces from my last trip to Malawi.

After a great meal and a good night's sleep, we were finally headed for Blantyre, the largest city in Malawi. It's around a million people and growing by the day. The interesting thing about the airport at Blantyre is that the runway is

only 3,500 feet long and is VFR only. If you have never landed or taken off in an Airbus A-320 on a 3,500-foot runway, it could be a bit of excitement you would want to miss. While landing you may become intimately familiar with the spinal cord of the person in front of you. We passed customs and immigration without problems and only one person in our party did not get their luggage until the following Saturday.

I had carried my new ICOM 706 MK-IIIG wrapped in bubble pack in my backpack on the plane with me. My antenna tuner, power supply, coax, and other items had been packed in my check luggage. John Lord, 7Q7JL volunteered his Cushcraft R-5 for me to use and I brought him a new Cushcraft 6 Meter beam. Since Malawi is in the Southern Hemisphere, it was winter there with temperatures between 30 and 40 degrees at night and 50 and 65 degrees during the day. The gusty winds reminded me of Oklahoma and the mornings were beautiful, but cool. Around noon every day clouds would come in over the mountains from the Indian Ocean and give us a shower. Blantyre is about 4,000 feet above sea level and we had about four inches of rain on one day during my visit.

Because of our busy schedule, John Lord, 7Q7JL and I could not get together until Monday night, July 5th. John picked me up for dinner at the Blantyre Sports Club where we met Ron MacFarlane, 7Q7JM. John and Ron are the only two resident Hams in Malawi and both are expatriates. Malawi was a British Colony and John is from the U.K. while Ron is from Scotland. John and I are about the same age, but Ron is 88 years old and sharp as a tack! Ron came to Malawi during World War II as a radio officer with the RAF. After the war, he and his wife were tired of the cold damp of Scotland and moved to Blantyre where he retired as an electronic engineer. John is in the transport and transportation consulting business in Malawi and South Africa and also holds the call ZS1BBK.

We had a wonderful dinner, talking more about the trucking business in America than Amateur Radio. Ron and John work 6 Meters almost exclusively and have a beacon on 50.002 MHz with the call 7Q7SIX. They leave the HF bands to the DXpeditioners. When I returned Tuesday evening the R-5 vertical was mounted on

a 6-meter tall mast and ready for use. John brought one of his work crews over to erect the antenna. Visit the 7Q7PA site at www.rocor.com/7q7pa.html and click on the "July 1999 7Q7PA Operation" to see pictures of the antennas and such.

My operating time was somewhat limited by our sleeping arrangements. We stayed in a duplex bungalow with five staying on one side and three of us sleeping in the living room. One of my sleeping partners went to bed around 8:00 p.m. each night and got up very early, the other went to bed later and got up around 7:30. Needless to say, this put a large dent in my operating time and after a full day's work we were all tired. When I return to Malawi I will set my radio gear up in the main office building so I can operate without interfering with the others sleep.

My first contact was with a DU8 on 15 meters. We had a good QSO and he requested a QSL. While we were talking other stations (mainly JA's) started throwing their call signs in. After I signed with the DU8 the pileup was horrendous and it took a couple of minutes to pull out the first call. It sounded like several thousand JA's were calling. After trying to work simplex for a while, I started operating split and told them I would be listening up 3-5 kHz. The pileup was 10 KHz wide. Most days I was only able to operate for an hour or two a couple of times in the day and could usually make only one 'relaxed' QSO before the pileups began. I could have used a "JA Filter" at times and it was truly amazing being on the receiving end.

On Thursday I stayed at the bungalow to clean and wash clothes. (for some reason the rest of the group thought their mothers had come along to look after them) Band conditions during my stay were very strange, to say the least. I was making 160 Meter and 75 Meter contacts well into the mornings when 20 through 10 Meters were dead. About 5:30 pm local time (10:30 am CDT) the higher bands started to open to the Pacific first and then moved westward. Running a vertical from a semi-rare DX location is not the way to go as you cannot filter out the unwanted signals and makes working the pileups very difficult. John Lord said the next time I come back he will put up a Cushcraft A3 and rotator. Working the East and West Coast of the U.S. is much easier than

working the central part of the country. Most of my stateside contacts were on either coast with very few other contacts. The only 5-Land QSO I logged was with N5RR in the IARU Contest.

From Malawi, the IARU Contest was a big disappointment. I learned two lessons: The first was that stateside Hams beam Europe and European Hams beam the U.S. This I can understand since there are not a lot of Hams operating from Southern Africa and it was very frustrating. The second was the need for a beam and a little more than a hundred watts for the contest. On Sunday morning I talked with a station on Reunion Island for over an hour without a single interruption. He was in the same situation as I concerning the U.S. and Europeans. I heard plenty of strong signals from the states, but all were beaming Europe and I could not break in. Most of my stateside contacts were made after midnight CDT.

The Shire River that runs through Malawi is the river David Livingston took from the Zambezi River to discover the "Great Lake" (Lake Malawi), the 11th largest lake in the world. It is a very beautiful country and the people are the friendliest I have met, but 1 in 3 are HIV positive.

Even though things did not go as planned, I have learned over the years of foreign travel a time schedule does not really exist. I made about 1,000 contacts from Malawi, not many with the U.S., but a fair amount of contacts. We left Blantyre on the 13th and 33 hours later we landed in Oklahoma City. When I got home I had QSL cards waiting for me. I would really like to thank the OKDXA for their contribution to my QSL cards and John Lord, 7Q7JL for providing the antenna. I plan on returning to Malawi soon and hope to work more stateside hams, especially the folks here in Oklahoma. Until then! 73's Alan Clark N5PA/7Q7PA

The OKDXA Net is now on MONDAY NIGHTS at 6:30 PM \Rightarrow 3860 kHz +QRM

V26B DXpedition Announced

Date: Sat, 14 Aug 1999 17:55:02 EDT

From: Mike Samanka KA2AEV@aol.com

To: Doctor DX kc5qvv@gte.net

Team Antigua will again activate V26B from the beautiful island nation of Antigua and Barbuda in the upcoming

CQWW SSB Contest on October 30th & 31st. Our plans are to enter the Multi-operator / multi-transmitter category. For a complete description with photographs of The Team Antigua V26B SuperStation, visit our Web Page at <http://www.fre-contest.org> and click on the DXpeditions page, then on the Team Antigua V26B Link. Our Grid Square is FK-97 and the IOTA Number is NA-100

The Special Collectors Edition (Worked 5 Band & 6 Band) Certificate Program from V26B will continue this year. Due to mailing costs we are now requesting a SASE (Business Size) along with \$1 or IRC equivalent for printing costs be sent to W2UDT with your log information.

A special TOP GUN PLAQUE will be awarded for the 1999 CQWW SSB Event. Starting on October 30th through the end of the CQWW SSB Contest a special plaque will be available to the FIRST operator to work V26B on all 6 Bands during the Contest. Our very own 15M band Captain, Mr. Douglas Priest W3CF/V26DX, is sponsoring this Plaque.

Members of Team Antigua will also make special attempts to be active on RTTY, PSK31, 160 Meters and the WARC Bands a few days before and after the contest. 6M and Satellite operation is possible as conditions permit. We should be heard on all bands starting on or near October 25th until about November 4th.

The OKDXA Net is now on MONDAY NIGHTS at 6:30 PM \Rightarrow 3860 kHz +QRM

OPDX Bulletin - Internet Edition

The Ohio / Penn DX PacketCluster

Editor: Tedd Mirgliotta, KB8NW

Published by BARF-80 BBS Cleveland OH

3B9, RODRIGUEZ ISLAND

Robert, 3B9FR can often be heard on 20 or 15 Meters 25 kHz up from the band edge. Check after 0300z on 20 Meters and after 1300z on 15 Meters. He can also be found occasionally on 40 Meters around 7015 kHz between 2000-2100z. QSL to: Robert Felicite, P.O.Box 31, Rodriguez Island, Via Mauritius Islands

3X, GUINEA (interesting call!)

Listen for Karel, ON4QY to sign 3XY2A from Conakry for the next few years. Karel was heard on 21275 kHz between 1630 and 1930z. QSL via ON4QY.

4U1VIC, VIENNA INT'L CENTRE

This station counts as Austria for DXCC and will be active in the coming months. Listen for 4U1VIC in these activities:

September - CQ WW RTTY Contest, Single Op JH4RHF. WAE SSB Contest, Single Op JH4RHF

October - CQ WW SSB Contest, Multi / Single by DL2OBF, JH4RHF and others

November - CQ WW CW Contest, Multi / Single by DL6RDR, JH4RHF and others

December - ARRL 10m Contest VE3IAY Please note that 4U1VIC is a separate multiplier (county) for the WAE and WW contests. QSL via the OE bureau unless otherwise mentioned.

5H, TANZANIA

Wayne, K8LEE and Roger, WD8SDL will be active from Dar Es Salaam October 19th through November 2nd, as 5H3/homecall. They will also be active as a Multi / Single entry in the CQWW SSB Contest with Dave Heil and calling as 5H3US. QSL via home calls and 5H3US via WA8JOC.

"The 59(9) DXReprt" reports that Terry, W7RNF will be stationed in Tanzania for the next few years and plans to be active as 5H8TL. He is the first station to use the 5H8 prefix. QSN reports claim that Terry likes 15 Meter SSB between 1800 and 1900z. Also, check 20 Meter SSB after 0400z. QSL via W7RNF.

8P, BARBADOS

Early reports say operators K4BAI, K1TO and N4TO are planning a serious Multi-Single effort in the CQWW CW Contest in November. Listen November 23-30th. The contest call is not set but will be either 8P9Z or 8P0 (something).

9A2000, BRIONI ISLANDS

(Brijunska Otocja)

(IOTA DXpedition and Special Event) Sado, 9A2OP reports a team of operators (Kreso, 9A7K leader; Sado, 9A2OP and 4 others) will activate these Croatian islands located in the Adriatic Sea September 1-6th (and possibly 2 extra days). The IOTA reference number is EU-110. Their call will be 9A2000FT in celebration of their President's 77th birthday (FT for President Franjo Tudjman and 2000 for the new millenium). Activity will be on all bands (including WARC) and 2 / 6 Meters. QSL via 9A7K, Kresimir Juratovic, POB 88, KR-48000, Koprivnica, Croatia.

9HØ, MALTA

Wim (Bill) Visch, PA3BIZ, PR Manager for the V.R.Z.A. (Dutch Amateur Radio Society) reports a large group of Dutch amateurs will hold a combination Holiday and DXpedition to the island of Malta (EU-023). A total of 26 operators, all with their own 9H3 calls, will join the party of 45 participants. The whole team has been granted the special call 9HØVRZ. They plan to be active between September 18th and October 10th. Operations will be on 80 through 6 Meters using SSB and CW. They will be active on the international DX frequencies +/- QRM and plan to run log updates on the Internet. QSL Manager for 9HØVRZ is PAØJR, Andre van den Bos, Olof Palmelaan 5, 9649 BH MUNTENDAM, The Netherlands. For more details visit <http://www.vrza.org>

9L, SIERRA LEONE

The "DX News Letter" reports that Jacky, F2CW/ZL3CW is here and hopes to receive a license for three months.

FO, CLIPPERTON ISLAND

John, N7CQQ and The N7CQQ Amateur Radio Club report they have finalized plans for their expedition to Clipperton Island scheduled for February 26, 2000 through March 15, 2000. Their goal is to provide as many Europeans and others with a new country on as many bands and modes as possible. The last operation to Clipperton Island was in 1992 (FOØCI). They plan to operate from two locations each having 3 stations with specialized mode/band capability to enhance the CW or SSB operation. Those specialties will cover RTTY, Satellite, 6 Meters and 160 Meters. If you would like to help with the costs, donations can be sent to: N7CQQ Amateur Radio Club, Inc., P.O. Box 81, Searchlight, Nevada 89046 (ACCOUNT: 4961527327 Bank of America). They will have a CLIPPERTON ISLAND Web Site to provide updated information as the operation progresses.

FOØ, AUSTRAL ISLANDS

"The 59(9) DXReport" reports that JK1TKE will be active October 14-24th from Tubuai Island. Activity will be on HF and 6 Meters. No call sign was given.

OHØ/OJØ DXPEDITION II

Dennis, K7BV, Editor of the National Contest Journal has been invited back to the Aland Islands (OHØ) and Market Reef (OJØ) in September. The focus of this trip

will be OJØ. Dennis anticipates arriving on Market Reef on Tuesday, September 14th and will stay until the early morning of Monday, September 20th. Emphasis will be made on 80 and 160 Meters every night and will include operation on all HF bands including WARC using both SSB and CW. RS13 satellite appearances will be as frequent as possible. QSL OHØ - OJØ/K7BV via KU9C, Steve Wheatley, 12 Netherton Terr, Morristown NJ 07960.

OX, GREENLAND

Joergen, OZ8AE will sign as OX/OZ8AE from Groennedal near Ivigtut in the southern part of Greenland (NA-018) from September 4th - October 5th. Activity will be on all bands CW. He will take part in the SAC Contest (CW) on September 18th 1200z-September 19th 1200z and might be active on the SSB section of the SAC Contest on September 25th 1200- September 26th 1200z. QSL to OZ8AE direct or via the bureau.

PJ9, CURACAO (Ops Needed)

Geoff, WØCG Coordinator, reports operators are needed for a planned Field Day style operation from Curacao as PJ9CW for the CQ WW SSB Contest, October 29-31st. The planned category is Multi / Single, but depends on how many operators attend. Operations will be from the Kadushi Cliffs Resort, a luxury vacation spot on the northwest tip of the island. Geoff asks interested parties to "Please sign on very soon as I need to finalize the villa bookings with the manager". For photos and more info, visit: <http://asgard.kent.edu/ccc/pj9cw>

PZ, SURINAME

Bob, K3BYV, is now signing as PZ5DX until (at least) January, 2000. His activity is mainly on 15 and 10 Meters SSB 1430 and 1800z. Check 28420 and up, plus 21355 kHz. He has been heard on 20 and 12 Meters after 2100z. QSL via K3BYV.

SV, GREECE

Stathis, SVIDKL reports he will be in the 1999 CQWW SSB Contest in October from a super DX / Contest site located about 1975 meters high. He plans to run Single Op/ All Bands/ Low Power, using solar cells and has made accommodations for his antennas which include (2) FD-4 Windoms, a full Dipole for 160M, and a 100m wire with hundreds of 10-50 meter radials. He wants to rank in the Top 10 of Europe's 'SOAB' Low Power Category.

T31 & ZK3, CENTRAL KIRIBATI AND TOKELAU (Update)

The planned operation by Mats, SM7PKK and Nils, SM6CAS continue to progress. The list of operators now include Erik, SMØAGD; Steve, G4EDG; Ulrika, SM6WYN (YL) and Lech, LA7MFA. The DXpeditions are scheduled for Central Kiribati between September 23rd and October 3rd and Tokelau from October 7-12th. The calls will be T31T, T31K, T31YL, ZK3DX, ZK3CW and ZK3YL.

V6, CHUUK ISLAND (Micronesia)

Peter, V63PD reports he is now the only resident station in the Chuuk Islands. (pronounced "Chuke" rhyming with "Duke") He operates on the 40 / 30 / 20 / 17 / 15 / 12 / 10 Meter bands SSB with some CW. Chuuk has the IOTA reference OC-011 and is located 7.5 degrees North and 152 degrees East. Peter mentions it seems that most Hams he talks to do not know where Chuuk Island is located. The former name was Truk, but since the name change some ten years ago, he now identifies his QTH as Chuuk. Peter's QSL Manager is VK4AAR and has a web site at: <http://www.qsl.net/v63pd>

The OKDXA Net is now on MONDAY NIGHTS at 6:30 PM ⇒ 3860 kHz +QRM

VP2M, MONTSERRAT

A group of members from the Bavarian Contest Club (BCC) will activate VP2M (NA-108) from October 25th through November 9th. Activity will be SSB on all bands, 160 through 6 Meters. On request, operators Chris/DL5NAM (Team Leader), Uwe/DL9NDS and Klaus/DL7NFK will use CW or RTTY / PACTOR. QSL direct via the CBA of DL5NAM.

VU7, LAKSHADWEEP ISLAND

Bad News. The planned operation from the Lakshadweep Islands (formerly known as the Laccadive Islands) was to be active in the fall of this year but has been postponed until March 2000 due to final approval delays and personal schedules.

ZL7, CHATHAM ISLAND

Lothar, DJ4ZB plans on be active between February and March 2000. Call may be ZL7ZB or ZM7ZB. Activity will be 80-6 Meters with an emphasis on 10 meters.

IOTA News**RARE & NEW IOTA ACTIVITY**

Stuart, VK8NSB now has permission to operate from two IOTA's in the Northern Territory of Canada. Melville Island (OC-173) will be active from November 4-9th and Croker Island, a new IOTA never activated in the Central Island Group (NT) will be heard November 11-16th. Stuart states: "This DXpedition will be for the children on both islands with an Amateur Radio Display for 2 out of 6 days. Plans are to run one SSB station for the children to listen and talk to other Hams from around the world while another works the pileup". Stuart is looking for assistance via green stamps or equipment and operators. They plan to operate three stations; 2 SSB and 1 CW. Their QSL Manager will be Jim Smith, VK9NS.

EU-052 Listen for the Hungarian team of Laci, Zsolt and Tibor on holiday to sign SV8/HA6NL/P, SV8/HA6PS/P and SV8/HA6ZV/P respectively from the Island of Korfu between September 1-8th. They will be active on all HF bands CW / SSB / RTTY. Suggested frequencies are:
CW - 1831, 3511, 7006, 10104, 14026, 18071, 21026, 24891, 28026
SSB - 1841, 3621, 7051, 14151, 18151, 21251, 24941, 28451
RTTY - 3591, 7036, 14081, 21081, 28081. Please QSL to home calls.

OC-135 Steve, VK4EMS is now active from Bougainville Island (Papua New Guinea) as P29BI. He will be active until late December 1999 on weekdays as spare time permits and mostly on Sundays. QSN's show activity between 0645 and 0730z and between 1130 and 1200z on 20M (14260 kHz) and 15M (21260 kHz) around 2330z. His operations will be CW and SSB. QSL via VK4EJ.

Miscellaneous DX News**ZK3, TOKELAU ISLANDS**

(DXpedition JULY-AUGUST 2002)

Following their successful DXpeditions to Campbell Island in January of 1999, Chatham Island in October of 1997, Raoul Island and the Kermadec Island Group in May 1996, the Kermadec DX Association is planning a DXpedition to the Tokelau Islands in July and August of 2002. They are planning a multi band / all mode operation for approximately three weeks on the island. Because of the shipping and logistical costs involved, their target is

substantial, at around \$45,000 USD. Early donations are vital to ensure that ZK3 is activated and can be sent to: Kermadec DX Association ZK3 DXpedition, C/O - Ken Holdom, ZL2HU, P.O. Box 56099, TAWA, Wellington, New Zealand.

CLOSER TO A POSSIBLE NEW AND MAYBE A DELETION???

In international news, the Associated Press reports that Montenegro wants to abolish the Yugoslav Federation in favor of a loose partnership with Serbia that would allow the two republics to go their own ways. The Montenegro government approved a plan that would give it the right to maintain its own army, foreign ministry and currency while remaining linked to Serbia in a confederation called the Association of the States of Serbia and Montenegro. The AP report also states President Slobodan Milosevic is believed almost certain to reject this proposal in which case Montenegro says it would call for a referendum of full independence.

The OKDXA Net is now on **MONDAY NIGHTS** at 6:30 PM \Rightarrow 3860 kHz +QRM

ARRL SWEEPS RULES CHANGE

The Awards Committee has considered and accepted several recommendations from the Contest Advisory Committee which will affect the annual November Sweepstakes. Effective with the 1999 running of this event:

1. A single operator unlimited category is added. This category allows for single operators to use Packet in the contest. There is no power differentiation in this category.
2. The multi-operator category, while still limited to one transmitted signal at any time, is allowed unlimited band changes.

These rule changes will affect the exchange participants send and receive during the contest. The new specific exchanges will be published in the rules announcement for the 1999 ARRL November Sweepstakes and appear in the October 1999 issue of QST. The complete rules will be linked to the Contest Branch Web Page at <http://www.arrl.org/contests>. For more information, contact Dan Henderson, N1ND, Contest Branch Manager at n1nd@arrl.org or by phone at (860) 594-0232.

BELARUS WEB SITE

Larry, EW2EO reports he has a Web site with the first call book of Belarus (EU-EW) stations, an amateur radio map of Belarus, photos of the EW52BO and EW2EO QSL cards and other info. Visit <http://www.qsl.net/ew2eo>

WØYG RETURNS TO AFRICA

Charlie, WØYG reports he will depart on September 1st for South Africa (ZS), Namibia (V5), Botswana (A2) and Zimbabwe (Z2). He will be active on CW only and mostly in the WARC bands. Charlie has asked us to remind everyone to "ONLY ONLY" QSL direct to WØYG. Even if he uses his ZS6YG call, cards must be sent direct to WØYG. Cards sent to the ZS bureau cannot be answered and if a bureau card is used they must go through the WF5E bureau system and not via the ARRL Bureau.

DXCC SUBMISSION TIPS

Please note that submissions for the 1999 DXCC yearbook are due in by September 30, 1999. We must have it by this date, not just postmarked on the 30th. If you have not submitted since October 1, 1998 and are not currently on the DXCC Honor Roll, you will need to make a submission to qualify you for the free copy. If you are current on the Honor Roll and have not submitted anything, you will receive one automatically. See page 2 in prior editions for complete qualification information. The due date for the 1999 yearbook should be around April 1, 2000.

Many questions are being asked about 30 Meters (10 MHz). There is no DXCC award for this band, however, these contacts CAN be used for Mixed, CW and RTTY awards. There is no endorsement for 30 Meters for 5 band DXCC.

Questions are being asked about a DXCC 2000 Kickoff Award or Millenium Award. Word is spreading on this and I want to clarify that we are NOT currently issuing applications or finalizing rules at this time. The announcement in QRZ DX was premature. Complete details will be published in QST at the proper time. The next edition of the DXCC list is due in October. It is in the final stages and should be sent to the printer soon. It will be available for \$3.00 and will include Palestine (E4). This will bring the number of current DXCC entities to 332 and the Honor Roll number to 323. If this drops

you from the current Honor Roll and you have worked Palestine you do not need to submit it in 1999 if you already have a submission. You can wait until after January 1, 2000 but have it in by March 31, 2000 to get on the next Honor Roll list. (This will also save you the second submission fee of \$20 if you've already had a submission in 1999).

If you move anywhere within the 48 contiguous states you can continue to feed your current DXCC. It is not necessary to start over. Also, your old US calls will count for you. (Remember: Alaska and Hawaii are separate DXCC entities). Also, a contact from the US is required as one of the entities on the current list. Don't assume that you automatically have it. If you change your call you cannot apply for another new DXCC under that call. All credit from your previous call will be combined into one. However, you can request a replacement certificate with your new call for \$10. To save long distance phone calls, check the rules on the DXCC web site before contacting DXCC. Most questions can be answered by taking a few moments to look up the information you need. PLEASE remember when preparing your submissions to check them against your last submission report and your own records. Doing this will save you extra QSO fees and also save DXCC processing time. If you do not put a post-it note on a multiple QSO card, we will enter ALL QSO's. DXCC does not compare cards with the attached printed list to see what you want. DO NOT THROW OUT YOUR PRINTOUTS WHEN YOU

FINISH WITH THEM. KEEP THEM IN A SAFE PLACE UNTIL YOUR NEXT SUBMISSION.

The DXCC application and other forms can be downloaded from the DXCC web site. If you cannot get them from the web a SASE to the ARRL is required. If a problem arises on your printout look it all over carefully. After this, contact DXCC with all the information. Do not wait until your next submission to attempt a correction since what ever caused the problem the first time may occur again.

The upcoming conventions where DXCC will be available for card checking are:

Huntsville - August 21-22

New Orleans - August 27 - 30

Virginia Beach - September 18 - 19

Ft Wayne - November

W9DXCC - September

If you are not sure if DXCC will be at your convention, please check with the organizers and see QST for more details. If DXCC staff is present there is no restriction on non-field checkable cards. 160 Meter cards are not checked in the field at all.

BILL MOORE, NC1L

Century Clubs Manager

<http://www.arrl.org/awards/dxcc>

Excerpts and distribution of the OPDX Bulletin are granted as long as KB8NW / OPDX / BARF-80 receive credit.

WARNING: The following column may be offensive to those who are 'Sarcasm Intolerant'. Read it at your own risk !!!

- KC5QVV

Doctor DX...

Dear Doctor DX:

I'm a Science Teacher and Radio Amateur in Kansas and include vacuum tube theory in my classes... Did the 6L6 evolve from the 807, or was it created by RCA?

Signed: Kansas OM

Dear Doctor DX:

I'm a Presidential Candidate and the press has been asking some very embarrassing questions lately... I might have owned a CB radio in my youth, but I'm not saying I did, although, if I did, it was a long time ago and I haven't CB'd in the past seven years. Make that 15 years. Then again, it was at least 25 years ago, if I ever did, but I may not have. What should I say when they start asking me about the CB rumors?

Signed: Dubya

Dear Doctor DX:

I'm a former Speaker of the House, and after a decade of railing against the moral degradation in this country caused by the liberals, I'm in the process of splitting up community property in a divorce. My girl friend says I should fight for the Tri-Band Quad instead of the Yagi, as Quads have a lower angle of radiation and work better for DX... But I think the Yagi is a more conservative choice. What do you think?

Signed: NG

There isn't enough room on the page to answer all your questions, so keep an eye on your mailbox until next month!

- Doctor DX

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

INTRODUCING: The ShaZamaHamaTronics DX MAGNET !!!

Year 2000 Compliant - Y2K OK !!!

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

THOUSANDS OF HAMS JUST LIKE YOU have been looking for AN EASY AND EFFECTIVE WAY to increase their DX POTENTIAL without DANGEROUS TOWERS or EXPENSIVE AND COMPLICATED ANTENNA ARRAYS !!!

Now, through the MIRACLE OF THE FIRST MONO-DIRECTIONAL FERRITE ALLOY you can slip a tiny TOROID CORE over the transceiver end of your coax and PULL IN THOUSANDS OF SIGNALS YOU'VE NEVER HEARD BEFORE !!!

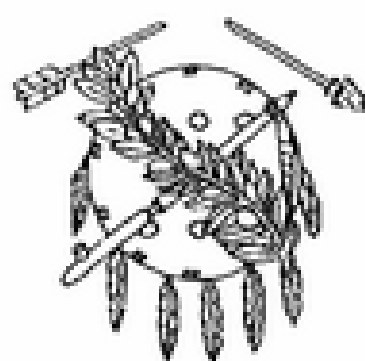
It's TRULY A DX MAGNET that WORKS ON ANY RIG and is backed by our "NO HASSLE 5 x 9 +20 WARRANTY".

(warranty valid five minutes or nine feet (whichever comes first) from the point of sale plus a \$20.00 restocking fee)

As Cletus B. Liddle, A5LID of Bokchito, Oklahoma says: "I stacked three of them on my HT and heard a loud sucking sound!"

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.mrmethane.com>



Broken Arrow Amateur Radio Club

August Meeting Minutes

Minutes of the eighth Meeting of the Broken Arrow Amateur Radio Club for 1999. The meeting is called to order by President Wayne Hartsfield (KK5AT) at 6:35 PM. Introductions are done of all persons present.

OFFICERS REPORTS:

Secretary: The minutes for the July meeting are read by the Secretary Gerry Paschal, KC5JKU. Guy Richie, WA5QDG moves that the minutes be approved as read. Jeff Scoville, KC5RTH seconds. The motion passes unanimously.

Treasurer: The Treasure's report is read by Harlan Kinney, K9GDK. Wayne reviews expenditures for the month including CORA and GTE payments. A motion to approve the Treasure's report without amendment is made by Frank Schneider, W5TDL and seconded by Joe Horn, KC5VPO. The motion passes unanimously.

COMMITTEE REPORTS:

Engineering: - Jeff Scoville, KC5RTH reports that the .47 machine had been acting deaf in the mornings but has recently been acting OK and he asks for reports on the function of this machine over the next few days.

VE Report - Nick Marsala, AB5M reports that the next testing session will be this Saturday. Wayne notes that as of August 16 the FCC is expecting a form 605 to be phased in to replace older form 610, which will be useable until next February. Wayne notes that volunteers are always needed at VE testing.

Packet Report - Mike Foster, WA5TXX reports that the Sapulpa node is down and requires repair.

ARES: No Report

Nets: Wayne reports that nets are going OK but that we only have three net operators available. Guy Shipley, WB5MXO asks that the newsletter include data on the nets such as time, date, frequency, etc.

Membership: Joe Horn, KC5VPO reports that membership is presently at 130 with only a couple of OOPS cards needing to be sent. Joe notes that a few people are still not listed by CORA and as a result are not getting newsletter correctly yet.

OLD BUSINESS

Jeff reports on updated plans for a newsletter article on the APRS system in operation at the blue water tower.

Wayne asks for a volunteer to take on the position of fundraising chairman for the balance of this year. There are no volunteers.

Frank asks why the speed dial numbers have been deleted from the roster. Wayne reports that any BAARC member can have a speed dial number assigned by Jeff. Joe reports that he will include the speed dial numbers in the next roster.

Guy Richie, WA5QDG asks if operating instructions for the repeater be printed in the newsletter. This will include information on such items as the speed dial numbers, etc. Joe Horn will research this and see about getting the information to the membership.

NEW BUSINESS:

There is a general discussion of classes that may be held in the near future.

Member's Comments:

Guy Richie asks for help in diagnosing a problem with his garage door opener operation in rainy conditions. Jeff suggests that he write up the problem and post it in the newsletter.

7:16 End of Business Session and Break

7:15 Program

The first part of the program is a brief discussion of FEMA by Gerry Paschal, KC5JKU.

The second part of the program is a discussion of web page development by Jeff Scoville, KC5RTH.

8:45 Program Completed. Meeting Adjourned.

There were a total of 22 people present for the meeting. Submitted by Gerry Paschal, KC5JKU, Secretary BAARC

PSK31: What's it about?

By John N3AAZ of the
"Good Sam RV Radio Network"

The basic idea of PSK is that keying is done by phase-shifting the carrier rather than frequency-shifting it. The bandwidth is equal to the baudrate rather - than to the shift plus the baudrate. With the chosen baudrate of 31.25, that brings the bandwidth down from the 300-500Hz of the modes down to 31Hz!... Credit the G3PLX freeware PSK31 HELP file.

PSK31 is an outstanding weak signal mode. Not the radio but the software decode algorithm) controls the "bandwidth", the radio runs in the standard "3 kHz" USB mode.

PSK31 features a "roundtable" keyboard to keyboard mode, with backspace capabilities for live typing error correction, WOW!

Requirements:

Windows 3.1 or better
16 bit sound card or better
Single side band transceiver (USB mode)
p3lsbw105.zip

NOTE: The Windows version p3lsbw105.zip, is freeware. (Thanks again to Peter G3PLX-) for amateur radio use and can be downloaded from <http://aintel.bi.edu.es/psk31.html> or if speed is a problem from <http://www.kender.es/edu/psk31.html>.

PSK31 is new to "us" and may be hard to identify, PSK31 does not "stand out" like some of the other digital modes, PSK31 does not make a "periodic sound", PSK31 is a "continuous sound", a melodious tuneful whine and not very loud.

PSK31 is a super, weak signal mode--really unbelievable! Here are some examples...

N3AAZ (MD) to AZ, 2000 miles at 0.5 Watts (QRP), MD to West Coast at 5 Watts (QRP), MD to Europe at 5 QRP, and not just once but many times. MD to Australia, QRP, twice! A four way roundtable QSO to include OK2 (Europe), FL, AZ, MD that lasted almost an hour (MD ...N3AAZ... was 5 Watts). PSK31 (in keyboard to keyboard, rag chew mode) is so much more relaxed than the other digital modes, it requires much less bandwidth, hence less QRM to other modes.

After going SK with a VE2 a G4 called me. I COULD NOT HEAR HIS SIGNAL WITH MY EAR, I ONLY SAW HIS PRINT ON MY MONITOR. My RST was 329, I gave him a 319, I am sure we were both being very generous. The QSO lasted twenty minutes with a worse case print of 80%; we did go QPSK with a little improvement. I never did "hear" his signal and never touched the receiver tuning control, in fact I locked the tuning control just in case it got bumped" other digital signals were much, much louder.

PSK31 is very relaxed. Coming from more than forty years of ham radio (to include CW, RTTY, packet, and AMTOR) and a 35 year government electronic communications career (retired two years), I have no way to express what a pleasure PSK31 brings.

73, John N3AAZ

Repeater Info & Codes

REPEATER INFORMATION

VHF 146.910 -600 Offset
UHF 444.000 + 5Mhz Offset

Both VHF and UHF are linked

".91/444" REPEATER CODES:

825 Time of Day
590+test digits Touchpad Test
300xx DTMF paging from xx
memory location (ask Mark if you need
the memory location list)
750xx Dual tone paging 01-20
(01 = 112.5-832.5 Tones)

".91/444" REVERSE AUTOPATCH & DTMF PAGING:

Call 251-3145, Press * followed by person's SD# (can be found in club roster,

replace 7 with 1) and #. For example, to contact Nick Marsala, SD#765, you would press *165#. The generic "Call for a ham" reverse autopatch code is *299#. To answer a call on the RF side, simply press * after the "Call for ____" message.

To page someone with DTMF tones, call 251-3145 and enter 875 followed by the DTMF tones.

VHF: 145.470 -600 Offset
WSBBS Local Packet BBS: 145.03
Simplex
AUTOPATCH: * up # down on all machines
REDIAL/RADIO MUTE: ** and *3 on all machines

Club Nets

Mon at 8 PM: 146.91/444.000 Mhz
Info & Swap Net
Wed at 9 PM: 50.59 Mhz 6 meter
simplex net
Thurs at 9 PM: 28.305 Mhz 10 meter
Sidebanders Net

Code practice is held each Thursday evening from 8-9 PM on 28.305 Mhz simulcast on the 145.47 Mhz repeater.

APRS Net Makes Statewide Debut

The APRS working group of Oklahoma holds an APRS Net every Sunday evening beginning at 8 PM on the statewide Buffalo Link Repeater System. The purpose of the net is to educate individuals on APRS and discuss issues of coordination in the APRS community in Oklahoma. The local repeater in Tulsa is on 442.725 Mhz (PL tone 203.5 Hz). The repeater in Muskogee is on 146.82 Mhz (PL tone 162.2 Hz). Other sites across the state are available. For a comprehensive list, visit <http://www.buffalolink.org>.

Commercial Radiotelegraph

By Mike Mangan AB5RW

We hear a lot lately about the proposed new Amateur License qualifications. Mores Code seems to be a hot topic. One rumor has 20 wpm being dropped as a requirement for the Extra Class license. Extra Class Amateurs may wonder why they worked so hard learning 20 wpm? There is a way to preserve 20 wpm in the form of a license. This may be of interest to Amateurs who wish to attain the 20 wpm, if the requirement goes away for our Extra Class. Holders of the Extra Class are

waived the requirement of demonstrating Mores Code proficiency for the 3rd and 2nd Class Commercial Radiotelegraph license. That is definitely good news.

The FCC issues eight commercial operator licenses. Three of these are radiotelegraph licenses. However, I am not sure how anyone can get a First Class Radiotelegraph or T1 licenses anymore. The holder of a Amateur Extra Class is not required to take the code tests. The 3rd Class Radiotelegraph test consist of written element one, written element 5 and telegraphy elements one and two. The Commercial written element one constitutes a commercial permit by itself (MROP). You could take element one and later take element five. Most people take both at the same time. Telegraphy element one is 16 code groups per minute (80 consecutive letters). Telegraphy element two is 20 plain language words per minute (100 consecutive letters). Remember, Extra Class Amateurs do not have to take the code test.

The 3rd Class Commercial Radiotelegraph is not a bad test as government test go. Written element one covers basic radio law and operating practice with which every maritime radio operator should be familiar. There are 24 question. You must get 18 correct. There are 170 question in the pool. Element 5 is a little more involved. It concerns itself with radiotelegraph operating practice and procedures. There are 50 questions and you must get 38 correct. The question pool has 286 questions. The test consists almost entirely of questions about telegraph abbreviations and Q signals. Does anyone know what the abbreviation for "Bearing doubtful because of interference?" How about the Q signal for "Are you a cargo vessel?"

Some may view Commercial Radiotelegraph test as a challenge and a achievement. It really is an option for the Extra Class Amateur. Who do you know that holds the rare "Commercial Radiotelegraph License?" You need to send the FCC two passport pictures with the evidence that you passed the exam. The license certificate is large and it will have your picture on it in black and white or color. Your choice. Of course, after you pass the 3rd class test you can take the 2nd Class Radiotelegraph exam. Now you can

reacquaint yourself with vacuum bias and the D'Arsonval movement.

The FCC has a wealth of information on licenses, permits and endorsements on their web page. Enter fcc.gov click bureaus & offices, click Wireless Telecommunications Bureau, click communications services, click Commercial Operator's License Program. They even mention some of the licenses, permits and endorsements that have been discontinued. Do you know anyone who held the Aircraft Radiotelegraph Endorsement? Boeing 707s had radio operators on them when they first came out. Question and answer pool booklets can be obtained from the FCC or from W5YI (w5yi.org). Ron Gamel (918 663 0385) gives commercial exams on the third Wednesday of every month at the Riverside Campus in Jenks at about 5:30pm.

President's Report

By Wayne Hartsfield KK5AT

We started August off real well, a very good business meeting followed by a couple of real good programs. Gerry Paschal spoke on FEMA and Emergency Management's role followed by Jeff Scoville with a very good presentation on Basic Web Page building. Hope you were there, they both did an excellent presentation. There are no real burning issues right now, I guess that is good. We are looking into moving the meeting to the Third Monday at 7:00 p.m., there are still some details to find out before we bring it to the floor for a vote.

The most pressing issues for the club right now and through the years end, are, more volunteers, more members, more funding. It is easy to stand by and watch. To grow the club or to have activities associated with the club, it takes members. The officers can only do so much, those functions are to see to the clubs business. Nothing happens when members don't come forward. This was evident prior to Field Day. Once members came forward, the activity started, things got done, and on a very short notice field day came together to be quite successful. Someone has to come forward though. At the beginning of the year, I inundated everyone with paperwork, yea, it was a lot of work. More though a blue print, for the year and beyond. Anyone not sure about what the club is, or what it represents, only has to

pickup the club's Constitution and by-laws, the Organizational Outline, access the club website (<http://www.qsl.net/w5bbs>) to get more than enough information to step forward and say, "I would like to volunteer for this". All of a sudden, everyone would see things happening in the club. Not rocket science. Our new members I'm sure feel insecure or maybe more so, uncertain how they can fit in. Maybe they are intimidated by the veteran hams, I can't say for sure. I know this, In 1992 I was a new ham. The first club meeting I attended included a total of about 7 members, and to get involved all I had to do was show up. My point is, that hasn't changed. Veteran hams may be a little cantankerous at times. That alone doesn't mean much, because other times, after you get to know them, they're not cantankerous. My first job with the club was net coordinator (and I still need someone else to take that job), and it was just a matter of putting on paper how the net should run, basically what to say and when, then asking for a few volunteers to keep it on the air on a regular schedule. So no one should feel inferior, regardless of how involved you have been. Volunteer, take charge, and ask for help. It really is that simple. The organization outline has a place for you to fit in. I don't have any more time than anyone else, nor do any of the other dedicated people we have in the club. It's a matter of making it a priority and dedication to the club and community.

Enough harping, think about it though.

Coming up on YtwoK, I have received several requests about volunteers to standby for the big rollover. Our Emergency Management of course has first dibbies. I made no commitments yet on any others. The local hospitals, utilities, and others have made inquiries. Having no idea how many committed operators will be available, I have put requests on hold. You will have to tell me soon if you are willing to be there or I can't make a commitment to them and have our club look bad when no one shows up. Other area clubs are being asked as well. Are they going to be the ones to take the ball, shoulder the responsibility for the whole amateur community? I don't know. Need I remind everyone, part of the agreement when you got your license was to be there in case of disaster or

emergency. Well, OK, I will not mention it. With any luck YtwoK will come and go without incident, everyone can sleep right through and wake to a new millennium without a hitch.

Many thanks to "APRS Weather" Crew
Hey guys,

Once again wanted to thank everyone for the weather station installation down at the EOC. The station is working great! KM5HG up in Claremore said he was glad to see our weather information on the air with APRS. Stations down in OKC have been watching our information throughout yesterday and today.

By the way, we're the first EOC in the state of Oklahoma to carry live weather data on APRS. It will be very helpful to the NWS, as they will be able to tell almost *EXACTLY* when a storm front passes through the area, as they can directly query our site at any time.

It's really worth getting the APRS software installed on your computers. The graphics it produces from our local weather station are neat.

Once Russell gets the retransmission board installed down at the water tower (should be happening in the next two days), we will provide these graphics on our EMWIN data stream, as well (for those of you that have weathernode, but not packet!).

Thanks again to everyone, including:

Steve Bradley KB5ZSD
Wayne Hartsfield KK5AT
Jeff Scoville KC5RTH
Harlan Kinney K9GDK
Russell Self KC5FCA
Mike Mangan AB5RW
J.D. Talliaferro KD5FMG

VE Testing is held 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.

If you want to list one or more items for SWAP or TRADE, you may contact any a club officer, the editor, or the net control operator on the regularly scheduled Swap and Trade Nets, which are held every Monday at 8:00 PM on the BA repeater, 146.910 Mhz.



Edmond Amateur Radio Society

Birthdays:

The following EARS club members have September birthdays:

09-01 Onis Cox	KC5RPC
09-02 Larry Traub	N5OL
09-06 Glo Guinn	KB5BGM
09-06 Edith Vaughn	KA5YPX
09-10 Ron McCubbin	KC5QCV
09-15 Donald Rooker	NO5M
09-17 William Green	N5YDU
09-20 Beverly Estlinbaum	KA5WKQ
09-21 Joe Watson	W5WBR
09-25 Squire Luttrell	KA9KFC
09-25 Glen Grossman	KD5GDG

New Members:

We welcome the following members to the club:

Sue Osborne KD5HKZ

Member Information:

We have two Club members who have recently upgraded to Extra Class::

Daniel Simpson KD5GDE
Gene Hawkins KA5CNT

Not to mention Dan Osborne's change of call sign. KC5YTK is now K5ISN.

To notify the Club of a change in your Call, Address, Phone number or E-mail address, please contact Sharon by E-mail at Sharon_Thompson@capitalland.com. Thank you.

de Sharon Thompson KM5GV

Board Meeting

The August meeting of the EARS Board of Directors was held on Tuesday, August 10th at Brick's restaurant in Edmond. It was well attended with 17 Board and Club members present. After a nice meal, we all sat back to cover the business at hand.

In the absence of the Treasurer, Bob KM5GZ presented Gary's detailed report, which was approved as given.

Lee, KA5WIS discussed the new controller and procedures for accessing the auto patch. If the Board chooses, the old controller can be repaired and kept as a spare.

HF Committee Chairman, Dave K0TYC announced the upcoming Special Event to be held on November 13th to celebrate Statehood Day. Operations will take place from the rotunda at the State Capitol.

Dee, WD5FHR indicated that the City desires alternative installation of the Club's dipole antenna on the roof of the Club station. Plans are underway to conform to their specifications. Dee indicated that any future activity on the roof by the Club must first have the City's approval.

Net Control Manager, Bob KM5GZ made a request for Net Controllers for August and Sept. for the Monday Night Net.

Ron, KC5QCV indicated that Ham Holiday 99 went very well and thanked everyone for their assistance at the registration table.

Clara, KG5UG reported that she has taken approximately 25 calls from people interested in the Novice/Technician licensing class which will begin on Sunday, August 22.

Edith, KA5YPX indicated she is looking for a Chairman to take charge of plans for this year's Christmas Dinner, to be held on Saturday, December 4th. It was suggested that a basket be passed at all Club functions throughout the year, to collect funds to be presented to the Hope Center during the Christmas season.

Lee indicated that to date, he has not heard anything regarding the Club's participation in the UCO Homecoming Parade, the CROP Walk or the Antique Car Show, which are traditionally held in September.

The meeting was adjourned at 8:10 pm. The September Board meeting will be held at the Club Station on Tuesday, Sept. 14th. The next Club meeting will be held at St. John's on Sunday, Sept. 19th at 2:00 pm.

Respectfully, Sharon KM5GV

Future Activities:

The following will look familiar from last month. Cooler weather is coming. These activities will be a good opportunity to get outside.

The September EARS Emergency Net will convene at 11:00 AM Saturday the 4th of September. The October EARS Emergency Net will be at 11:00 AM Saturday the 2nd of October. Be sure to check in and verify your radio operation for the following event:

The September Siren Test will be Saturday the 4th of September at high noon. The October Siren Test will be Saturday the 2nd of October at high noon. Have you done your public service yet? Edith, KA5YPX needs to hear from you if you can spend some time helping out. Give Edith a call at 348-2961 to get a spot to listen from.

Breakfast still happens each Saturday at 2nd and Coltrane in the Country Kitchen some time around 8:30 to 9:00. The place has changed hands and you need to come and try it out!

Don't forget about the Monday Night Information Net! We've had check-ins from all over central Oklahoma. Get the latest information on amateur radio around Edmond and the Oklahoma City area. Want to know when's the next VE testing session? Want to know when the next hamfest will happen? And....new control operators are always needed. Bob Coxsey is the net manager. Give him a ring and he'll get you on the list.

No word yet on the UCO homecoming parade, but we still assume it will happen. Stand by for information on the Monday Night Information Net.

The HF committee has arranged for our Oklahoma Statehood Day Special Event Station to be set up in the rotunda of the state capital on November 13th. Be sure and get this on your calendar. Members and non-members are all welcome at this event. This will be fun!

Official Events

Board Meeting - 7:00 pm Tuesday, Sept. 14th - Club Station

Sept. Club Meeting - 2:00 pm Sunday, Sept. 19th - St. John's

de Curtis Foote, KC5GEP

Novice/Tech Classes

The annual EARS licensing class started off with a bang this year. The room was full, with 35 students eagerly seeking their first ham license. This year the class consists of men and women, as well as several youth. Family members who are already hams, who were there for encouragement, accompanied four or five of the students.

The classes will run 10 weeks, followed by a V.E. testing session on Nov. 7th. Instructors from EARS will prepare the students to pass their Novice and Technician theory exams, as well as the 5-wpm code exam.

Instructors for this year's classes include: Earnie Wolf K5YKD, Dave Storey K0TYC, Rick Tasetano N5KLM, Clarence Dollmyer KB5RR, Curtis Foote KC5GEP, Harold Wells WA5ZKX, and Brad Thomson AC5CQ.

A very special thanks to Clara Granger KG5UG, John Thomason WB5SYT, Sherry Storey KD5CPJ and Sharon Thompson KM5GV for all their help in organizing and setting up the classes, and to Dave Hartman KC5UNO, Jim Rynearson KC5MJS and Rick Tasetano N5KLM for their help with promotion.

Quite a few Club members were present that first Sunday to meet the students, answer their questions and give them a tour of the Club Station. Please drop by any Sunday between 1:30 and 4:30 to meet the students and represent EARS. We're excited to see these folks and their interest in amateur radio. The world of ham radio is alive and well!

History

We were very happy to see a recent visitor to Edmond...Harold Burks, W4OWT. Harold held the call W5WAH when he was a charter member of the Edmond

Amateur Radio Society (EARS). A copy of the "minutes" of July 28, 1959 meeting is very interesting. The meeting was held at Harold's home. (EARS members met at each other's Radio "Shack.") The members present were Leroy Kearby, Preston George, Milton Heflin, and David Smith. Bertha and Allen Watson, Harry Kernal, Philip Charlton, and Margie George, Secretary.) The member's call letters are not mentioned in the minutes. The nine members there in 1959 (yes 40 years ago) were as follows, but not in proper sequence. Can you match the names with the calls? Harold was the tenth member. W5WAH, W5ERY, W5JCY, W5AAW, K5POX, K5CBA, K5KWK and last K5RGM. One of life's greatest pleasures is meeting and greeting a very old and dear friend.

Your friend Allen A. Watson, W5ERY.

Repeater:

In case you hadn't noticed, the KC5ORP repeater controller (the one that was just installed after a July lightning strike) got clobbered last week again. The repeater technical staff is working on a substitute ID system until we get the controller back. Keep in mind your ten-minute ID rule, and don't forget to ID the repeater if the controller isn't back when this is published.

Health And Welfare:

Hi everyone,

Bob Hebert, N5SAG, his wife, Dixie, had to have a biopsy recently. She was just advised that all the questionable tissue was benign. What a relief and an answer to a prayer. They both expressed their appreciation for our prayers.

Congratulations!

Bob and Dixie will be celebrating their 25th wedding anniversary this weekend with family and friends. We the EARS members, all with you many more happy years together.

I will be visiting with you again next month.

73 de Clara Granger KG5UG

Humor

I seem to get stressed quite a bit more than I used to. A friend sent this idea:

To reduce some of the stress in your life, live more like a dog.

Take more naps, take more walks.

Remain loyal and love unconditionally.

Eagerly greet loved ones when they return home.

Get to know your neighbors.

Stand in the rain for no reason.

Things we can learn from a dog:

Never pass up the opportunity to go for a joy ride, allow the experience of fresh air and the wind in your face to be pure ecstasy.

When loved ones come home, always run to greet them.

When it's in your best interest, practice obedience.

Let others know when they've invaded your territory.

Take naps and stretch before rising.

Run, romp and play daily.

Eat with gusto and enthusiasm; stop when you've had enough.

Be loyal.

Never pretend to be something you're not.

If what you want lies buried, dig until you find it.

When some one is having a bad day, be silent, sit close by and nuzzle them gently.

Thrive on attention and let people touch you.

Avoid biting when a simple growl will do.

On warm days stop to lie on your back in the grass.

On hot days drink lots of water and lie under a shady tree.

When you're happy, dance around and wag your entire body.

No matter how often you're scolded, don't buy into the guilt thing and pout, run right back and make friends.

Delight in the simple joy of a long walk.

A dog's life?

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

Tri-State Amateur Radio Group

The Tri-State Amateur Radio Group held its monthly meeting on August 12, 1999 and planned the following events. Seventeen members were in attendance.

Jerome Doerrie, K5IS will be holding a balloon launch on August 28, 1999 at 10am. The launch site will be Perryton, TX. Many groups will be assisting in the tracking and recovery of the balloon involving students of Perryton High School and members of the Top of Panhandle Amateur Radio Club and The Tri-State Amateur Radio Group and several hams from Oklahoma City and other towns across Oklahoma. You do not need to be a ham to participate and enjoy the fun. The tracking frequencies will be 3.579MHz, 28.322MHz, 144.288MHz and an amateur ATV will send back pictures on 439.25MHz. If you wish to participate in the event, listen and join in on the Friday night net at 9:30pm every Friday on the 147.360 + (88.5) repeater. The latest details and last minute changes will be passed on here. For more information you may contact Jay Kruckenberg by phone at 580-254-7229 (day), 580-994-2751 (evening) or by e-mail at k5gud@email.com.

The Tri-State Amateur Radio Group will hold a foxhunt on September 18th, 1999 beginning at 5:00pm at the Crystal Beach park in Woodward, OK. The hunt will last till around 7:00pm and will be followed by a dinner at the park. Everyone is invited to attend and have some fun. You don't need to be an amateur radio operator to participate. The frequency of this foxhunt will be 145.390MHz, which is a repeater located around the Woodward, OK area. You will need to listen in on the input side, which will be 144.790 to track down where the fox will be hiding. Gerald Bowman, W5AOK and Jim Hand, NW5OK will be the fox for this hunt. Something tells me that with Gerald being the fox you might be able to find him somewhere close to McDonalds in Woodward. If you would like more information on this event, just call Jay Kruckenberg at 580-254-7229 (day), 580-994-2751 (evening) or by e-mail at k5gud@email.com. You may also contact Jim Hand at 580-994-6118 or by e-mail at w5okt@arrl.net.

Life would be so much easier if we could just look at the source code!

--unknown

"A woman is like a teabag - you never know how strong she is until she gets into hot water."

--Eleanor Roosevelt

Dog for sale: eats anything and is fond of children.

Forrest Gump died and went to Heaven. When he got to the pearly gates, Saint Peter told him that new rules were in effect due to the advances in education on Earth. In order to gain admittance a prospective heavenly soul must answer three questions.

1. Name two days of the week that begin with "T."
2. How many seconds are in a year?
3. What is God's first name?

Forrest thought for a few minutes and answered, "The two days of the week that begin with 'T' are 'Today' and 'Tomorrow.' There are twelve seconds in a year. And God has two first names; they are 'Andy' and 'Howard.'"

Saint Peter said, "Okay, I'll buy Today and Tomorrow. Even though it's not the answer I expected, your answer is correct. But how did you get twelve seconds in a year, and why did you ever think that God's first name is either Andy or Howard?"

Forrest responded, "Well, January 2nd, February 2nd, March 2nd, etc....."

"OK, I'll give you that one, too," said Saint Peter, "but what about God's first name stuff?"

Forrest said, "Well, from the song, 'Andy walks with me, Andy talks with me, Andy tells me I am his own...' and the prayer, 'Our Father, who art in Heaven, Howard be thy name...' ". Saint Peter let him in without further ado.

Tips from Martha Stewart:

Old telephone books make ideal personal address books. Simply cross out the names and addresses of people you don't know.

Fool other drivers into thinking you have an expensive car phone by holding an old TV or video remote control up to your ear and occasionally swerving across the road and mounting the curb.

Avoid parking tickets by leaving your windshield wipers turned to fast wipe whenever you leave your car parked illegally.

No time for a bath? Wrap yourself in masking tape and remove the dirt by simply peeling it off.

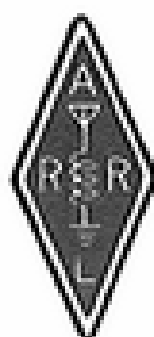
Apply red nail polish to your nails before clipping them. The red nails will be much easier to spot on your bathroom carpet. (Unless you have a red carpet, in which case a contrasting polish should be selected.)

If a person is choking on an ice cube, don't panic. Simply pour a jug of boiling water down their throat.

NOAA

NOAA Weather Radio broadcasts National Weather Service warnings, watches, forecasts and other hazard information 24 hours a day in the northwest Oklahoma area on 162.500MHz. Known as the "voice of the National Weather Service," NOAA Weather Radio is provided as a public service by the Department of Commerce's National Oceanic and Atmospheric Administration.

NOAA Weather Radio is not just for emergencies. It is a round-the-clock source of weather reports and information to help you prepare for the day ahead. Each National Weather Service office tailors its broadcast to suit local needs. Routine programming is repeated every few minutes and consists of the local forecast, regional conditions and marine forecasts. Additional information, including river stages and climatic data, is also provided. During emergencies, routine broadcasts are interrupted for warnings, watches and other critical information.



A. R. R. L. Bulletins

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

ARRL Bulletin 58 August 26, 1999

Hurricane Watch Net Activated as Dennis Approaches

The Hurricane Watch Net activated August 26 at 1100 UTC as Hurricane Dennis made its way across the Caribbean. The National Hurricane Center reports the storm is moving west-northwest but was expected to turn northwestward.

At 1500 UTC, the government of the Bahamas issued a hurricane warning for all of central Bahamas and a portion of northwestern Bahamas, Eleuthera and the Abacos. A hurricane watch in effect for the remainder of the northwest Bahamas, including Andros, Berry, Bimini, Grand Bahama, and New Providence islands.

The Hurricane Center says that residents along the southeast coast of the US, primarily North and South Carolina, "should closely monitor the progress of Dennis."

"We are receiving reports from the Bahamas now and passing them on to the National Hurricane Center," Hurricane Watch Net Manager Jerry Herman, N3BDW, said this morning.

The Hurricane Watch Net meets on 14.325 MHz. It coordinates weather observations from Amateur Radio operators to forecasters via the National Hurricane Center's W4EHW in Miami.

ARRL Bulletin 57 August 25, 1999

VOLUNTARY COMMUNICATIONS EMERGENCY - CANCELED

THE VOLUNTARY CLEARANCE OF FREQUENCIES 3873 KHZ, 3935 KHZ, 7285 KHZ, AND 7290 KHZ IS CANCELED EFFECTIVE 0004 HRS

CDT (0104 EDT) 25 AUGUST, 1999. NOTIFICATION OF CLEARANCE SHOULD BE TRANSMITTED ON EACH FREQUENCY.

OLIVER LONG
FCC HOUSTON RESIDENT AGENT

ARRL Bulletin 56 August 24, 1999

Section Manager election results

Incumbent Wyoming Section Manager Robert W. Williams, N7LKH, has won election to a second term. Williams outpolled Jerry Pyle, WB7S, 91 to 83 in ballots counted August 24 at ARRL Headquarters.

Incumbent Section Manager candidates in nine other ARRL sections ran unopposed and were declared elected: In the Eastern Washington Section, Kyle Pugh, KA7CSP; in the Western Washington Section, Harry Lewis, W7JWJ; in the Sacramento Valley Section, Jettie Hill, W6RFF; in the San Francisco Section, John Wallack, W6TLK; in the West Virginia Section, O. N. "Olie" Rinehart, WD8V; in the Colorado Section, Tim Armagost, WB0TUB; in the Georgia Section, Sandy Donahue, W4RU; in the Los Angeles Section, Phineas Icenbice, Jr., W6BF; and in the South Texas Section, E. Ray Taylor, N5NAV.

The term of office for all candidates begins October 1, 1999.

ARRL Bulletin 55 August 22, 1999

VOLUNTARY COMMUNICATIONS EMERGENCY DECLARED

DUE TO THE EXPECTED IMPACT OF HURRICANE BRET ON THE TEXAS COAST, ALL AMATEURS ARE REQUESTED TO COOPERATE BY RECOGNIZING THE EXISTENCE OF A VOLUNTARY COMMUNICATIONS EMERGENCY AND THEREFORE RELINQUISHING THE USE OF FREQUENCIES 7285 KHZ (EMERGENCIES) AND 7290 KHZ (HEALTH AND WELFARE) DURING THE DAY AND 3873 KHZ (EMERGENCIES) AND 3935 KHZ (HEALTH AND WELFARE) DURING THE EVENING HOURS. THE FREQUENCIES ARE TO BE CLEARED

WITHIN 3 KHZ EITHER SIDE OF EACH FREQUENCY.

THE COMMUNICATIONS EMERGENCY REMAINS IN EFFECT UNTIL RESCINDED.

SIGNED: OLIVER LONG
FCC HOUSTON RESIDENT AGENT

ARRL Bulletin 54 August 20, 1999

Salvation Army amateur net handling earthquake traffic

The Salvation Army Team Emergency Radio Network--SATERN--is running a health-and-welfare traffic operation as a result of requests from individuals in the US seeking information on friends and relatives in earthquake-stricken Turkey. The Salvation Army World Services Office has been receiving requests since the quake hit early yesterday. The earthquake, described as one of the most powerful this century, left upwards of 10,000 people dead, injured many thousands more, and has disrupted normal telecommunication systems. The quake measured 7.4 on the Richter scale.

SATERN reports it will pass traffic on its normal 20-meter net on 14.265 MHz at 1400 UTC. The Salvation Army says that Quent Nelson, WA4BZY, is heading the H&W operation from Covington, Georgia. Amateurs in the US are permitted to handle third-party traffic to and from Turkey.

Those seeking to initiate health-and-welfare requests may visit <http://www.angelfire.com/il/satern411/satframe.html> or call 773-205-3573 for additional information and assistance. Requests also may be sent via e-mail to quwa4bzy@mindspring.com.

In Florida, the Martin County Amateur Radio Association has posted additional Web sites and frequencies in use for earthquake-related Amateur Radio traffic at <http://shemp.ccqual.net/~millard/emcom.htm>. ANTRAK, the Ankara Radio Amateurs Club, TA2KA, says earthquake traffic also is being handled in Turkey on 14.270, 7.092, and 3.777 MHz.

ARRL Bulletin 53

August 20, 1999

VEC applications pile up as ULS gets up to speed

The transition to the new Universal Licensing System has created a backlog of new amateur applications at Volunteer Examiner Coordinators. As of today, the FCC has processed only the few Amateur Radio applications that VECs have been permitted to file. The ULS Task Force says, however, that filing of amateur applications by individuals via the ULS has gone well, and that the FCC will attack the VEC application logjam very soon.

While the FCC has begun accepting some data from VECs, the quantity they're allowed to submit has been very low--10-20 applications per VEC were accepted the first three days after ULS went into effect for hams. Not all of the VECs are set up to file under the new system.

As a result, applicants for new amateur licenses will have to wait a few more days--perhaps several days--longer before their new call signs are issued by the FCC. In addition, no vanity call sign applications were processed during the ULS phase-in period last week.

Applications filed via the ULS during this inaugural week for the Amateur Service, however, have been processed or accepted for processing, although the ULS server has been down more than once.

Amateurs wanting to check on the status of applications filed via the ULS can do so via the ULS home page, <http://www.fcc.gov/wtb/uls>. Clicking on "Application Search" or "License Search" and plugging in the applicable call sign should yield the desired information.

Various Web call sign servers might not display the latest FCC licensee data, however, because updated data have not been available. Daily ZIP file postings for call sign servers should become "routine" by next week, according to the ULS Task Force.

Once the ULS is working as planned, automated processing of electronically filed applications is supposed to occur nightly each business day. Vanity applications also will be processed each night, although the built-in lag of at least

10 days between application and grant will remain.

Although it's not been announced formally, the new ULS has begun accepting on-line fee payments via credit card for vanity call sign applications.

For now, the ULS does not accept any club station applications, and amateurs registering for the ULS should register only their personal call signs. Trustees and custodians of club, military recreation, and RACES licenses should continue to use the old Form 610B to file applications for those stations and should not use their personal Social Security Number as the TIN for these licenses. Club station trustees and applicants should contact ULS Technical Support at 202-414-1250 to obtain an Assigned Taxpayer ID Number for each club license and provide it on the Form 610B.

On-line registration is available on the ULS home page, <http://www.fcc.gov/wtb/uls/>. Applications filed on-line by anyone not registered in the ULS will be dismissed. Applications filed through a VEC automatically register the applicant in ULS, as do paper applications mailed to FCC that include the applicant's Social Security Number. Manually-filed FCC Form 606s go to FCC, Information Technology Division, ATTN: Kathy McLucas, 1270 Fairfield Rd, Gettysburg, PA 17325-7245.

Complete registration and connection instructions are on the FCC's ULS home page (<http://www.fcc.gov/wtb/uls>). Amateurs having ULS problems or questions should contact the FCC's ULS Technical Support staff at 202-414-1250.

ARRL Bulletin 51

August 13, 1999

ULS opens for amateur business August 16

The FCC's Universal Licensing System opens its doors to Amateur Radio Monday, August 16. The FCC reported August 13 that the ULS would be out of service until then to prepare for implementation. Amateurs should wait until the ULS is back on-line August 16 to register.

The ULS ushers in an era of electronic, interactive filing and handling of Amateur

Radio applications and marks a major change in the way Amateur Radio applicants will deal with the FCC. It also means the demise of the familiar paper FCC Form 610 series in favor of the "universal" Form 605--primarily designed for electronic use but also available on paper. Amateurs filing applications with the FCC under the ULS will use Form 605 for all purposes except--at least for now--club station applications.

The FCC began a weeklong ULS phase-in period for the Amateur Service August 8 and has been converting existing Amateur Radio licensing data into the ULS database. Electronic Amateur Radio renewal using FCC Form 900 was scheduled to end August 9. Electronic vanity call sign application using Form 610V was to terminate August 13 at 5:30 PM Eastern Time. Hams should not try to file renewal or vanity applications until the ULS comes up August 16.

Before using the ULS to file an application, renew or modify a license, or apply for a vanity call sign, all amateurs must register. When registering, individuals eligible to hold a Social Security Number must provide this number--which the FCC refers to as a Taxpayer Information Number or TIN. This requirement is a mandate of Congress, not of the FCC. All hams must be registered in the ULS to do business with the FCC.

Applicants use TIN Registration Form 606 for both electronic or manual registration. To register electronically, visit <http://www.fcc.gov/wtb/uls/> and click on "TIN/Call Sign Registration." A paper Form 606 is available at <http://www.fcc.gov/formpage.html> or by calling 800-418-FORM (3676).

Applicants first register their Social Security Number (or TIN), then enter a call sign. Applicants also must specify a password and a personal identifier.

Registrants receive a nine-character Licensee Identification Number. Amateurs may use this number in place of a Social Security Number in future dealings with the FCC.

For now, applications for club, military recreation, and RACES licenses should be

filed on the "old" FCC Form 610B. Trustees and custodians of these licenses should not use their personal Social Security Number as the TIN for these applications but should contact ULS Technical Support (202-414-1250) to obtain a FCC-generated identification number for Form 610B.

Applications for new licenses or upgrades will continue to be filed through a Volunteer Examiner Coordinator. VECs will use a special NCVEC Form 605--a variation of Form 605--to file with the FCC for test sessions.

Starting August 16, hams already registered in the ULS may file applications using the new FCC Form 605 electronically at any time of day, seven days a week. FCC Form 605 will be used for license renewals, modifications, cancellations, application withdrawals and amendments, as well as requests for a vanity call sign, duplicate license, change of address or other clerical license modification. Visit the WTB ULS page, <http://www.fcc.gov/wtb/uls> and click "Connecting to ULS" for information on accessing the ULS system. Accessing the ULS database requires a telephone modem. A toll-free number, 800-844-2784, connects users to the FCC's Wide Area Network.

Among other things, the ULS features a renewal reminder sent 90 days prior to a license's expiration date. The ULS also simplifies the process of submitting fees to the FCC. The FCC said it also anticipates that the ULS will be capable of accepting credit card payments on-line "in the near future."

For more information, visit the FCC's ULS page, <http://www.fcc.gov/wtb/uls>.

ARRL Bulletin 50 August 6, 1999

Goldwater ham station to become museum exhibit

The well-known ham station of the late Sen Barry Goldwater, K7UGA, is being donated to the Arizona Historical Society for display as a museum exhibit. The Society plans to set up the massive station console and equipment "as the late Senator used it," said Reba Wells Grandrud, director of the Society's Central Arizona Division.

Current plans call for the K7UGA station equipment and console to be moved from the Goldwater home in Paradise Valley, Arizona, and reassembled at the Society's museum in Tempe sometime during the next year. Details are still being worked out.

"We're just delighted," Grandrud said. "We felt it was very appropriate to have this here."

Goldwater's station and massive antenna system were used to complete thousands of phone patch messages for troops during the Vietnam War. The antennas have been dismantled and sold, and will not be a part of the museum exhibit.

The museum intends to display the station intact and hopes to recreate the look and feel of the original Goldwater ham shack through the use of digital photographic techniques. While it's unlikely the station itself would be operational, she said the museum might "simulate" an operating setup for the sake of visitors.

Goldwater died May 29, 1998. Grandrud said she approached Goldwater's widow, Susan, about having the museum--a state agency--acquire the K7UGA station for display.

Grandrud could not say if the exhibit would be a permanent one but said Goldwater's station would be maintained as part of the museum's collection.

ARRL Bulletin
49
August 6, 1999

International Humanitarian Award nominations open

Nominations are open for the 1999 ARRL International Humanitarian Award. The award is dedicated to those amateurs who, through Amateur Radio, are devoted to promoting the welfare of mankind. The prize goes each year to truly outstanding Amateur Radio operators in areas of international humanitarianism and the furtherance of peace.

Any radio amateur or group of amateurs worldwide who has provided extraordinary service through their Amateur Radio skills for the benefit of others in times of crisis or disaster is qualified to receive the award.

The ARRL International Humanitarian Award recognizes the hobby's international communication role and that hams regularly help people in need throughout the world. Amateur Radio is one of the few media where average people throughout the world can meet to talk to each other and spread goodwill across otherwise impenetrable political boundaries. The Award is intended to promote positive efforts toward international understanding and peaceful communication.

The award recipient is selected by a committee appointed by the League's President. The committee will accept nominations from a licensed radio amateur, governmental or any other organization that has received the benefits of the radio amateur's extraordinary service. Nominations must include a summary of the nominee's actions that qualify the recipient for the award and statements from at least two references--including names and addresses--for verification.

All nominations and supporting materials for the 1999 award must be submitted in writing in English to ARRL International Humanitarian Award, 225 Main St, Newington, CT 06111 USA. Nominations must be received by December 31, 1999. In the event that no nominations are received, the committee itself may determine possible recipients or decide to make no award.

The 1998 award went to the Radio Amateur du Quebec Inc, for its efforts during a devastating ice storm.

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Up Coming Events

September 10-11 Queen Wilhelmina Hamfest Assn., Mena, AR Charlotte Lee, KC5DOR, E-mail: blee@ipa.net Ray Lively, W5DLC Rt. 3, Box 3844, Elkhart, TX 75839 903-764-5599
E-mail: raysoft@intrastar.net

September 11, 1999 Mountainhome Ark. National Guard Armory 8:30 a.m. until ?
Phill Waters 870-425-7406
E-mail: h2os@centuryinter.net
Miles Waldron 870-492-4466
E-mail: mpwaldron@centuryinter.net
September 18

SEPTEMBER 24 & 25 1999 ST LOUIS MISSOURI 1999 QCWA NATIONAL CONVENTION MISSOURI CHAPTER 19 WILL "SHOW YOU ST. LOUIS"

October 29-30 Texoma Hamarama, Kingston, OK Herb Sleeper, WB5PHM 8144 Carriage Ln., Wichita Falls, TX 76306 940-855-5820
E-mail: retmarine@cst.net
Web-site
<http://www.qsl.net/kc5sig/hamarama>

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 Audie, AA5GB @ 799-9916.

VE exams held by appointment only, on 4th Tuesday of each month at 6:00 p.m. in

the Shawnee Public Library, 101 N. Philadelphia. Call J. W. Drummond at 275-3935 for more information.

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

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

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

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

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

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

VE exams on the 1st Sunday of each month at the American Red Cross 6th and

Lincoln for more information.

On the Air

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

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

6 meter check in 52.525 Mhz simplex
Packet check-in on 145.07

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Oklahoma Section Net - Daily @ 0030Z on 3692.5 kHz

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Fax (405) 376-2848

1631 SE 15th

677-9001



September 05 - October 16, 1999

CORA Events

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
September 5 2:00 PM Red Cross Ve Exams	September 6 7:30 PM Broken Arrow ARC	September 7 7:00 PM LFSARC	September 8 11:00 AM OK VHF ARC	September 9 7:00 PM Albus Area ARA 7:00 PM Tri-State ARG	September 10	September 11 9:30 AM S. Canadian ARS 10:00 AM EARC Ve Exams 10:00 AM SCARS VE Exams 3:00 PM Stillwater VE Exams
September 12 2:30 PM Wheatstraw ARC	September 13 7:00 PM LFSARC VE Exams	September 14	September 15	September 16	September 17	September 18 9:00 AM SBC VE Exams 1:00 PM ORSI Meeting
September 19 2:00 PM Edmond ARS	September 20 6:00 PM CORA VE Exams 7:00 PM Choctaw ARC	September 21 7:30 PM Oklahoma City APA	September 22	September 23 7:00 PM Enid ARC	September 24 5:00 PM Collector and Emitter Deadline	September 25
September 26	September 27 6:00 PM Shawnee VE Exams	September 28 7:30 PM CORA Meeting	September 29	September 30	October 1	October 2 9:30 AM BAARC Ve Exams 10:00 AM Ada ARC 2:30 PM Vinita VE Exams
October 3 2:00 PM Red Cross Ve Exams	October 4 7:30 PM Broken Arrow ARC	October 5 7:00 PM LFSARC	October 6	October 7 7:00 PM Aeronautical Center ARC 7:30 PM Cinnaron ARA	October 8	October 9 9:30 AM S. Canadian ARS 10:00 AM EARC Ve Exams 10:00 AM SCARS VE Exams 3:00 PM Stillwater VE Exams
October 10 2:30 PM Wheatstraw ARC	October 11 7:00 PM LFSARC VE Exams	October 12	October 13 11:00 AM OK VHF ARC	October 14 7:00 PM Albus Area ARA 7:00 PM Tri-State ARG	October 15	October 16 9:00 AM SBC VE Exams

August						
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September						
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26	27	28	29	30		

October						
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31						

November						
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