

Collector & Emitter

Central Oklahoma Radio
Amateurs, Inc. Publication

September 2000
Volume 26, Number 9
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Collector & Emitter

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Amateurs, Inc.**

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Treasurer: Perry Jenkins, N5PJ

Web Page -

www.geocities.com/heartland/7332

Dear Subscriber:

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

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RADIOVILLE, OK 74321-9876					

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

Dear Secretary / Treasurer:

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

September 2000

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1. Aeronautical Center ARC Meets: 7:30 p.m., 1st Thursday, FAA, S. MacArthur, OKC Pres.: Bob Kremer, WA9FCT 381-3182 VP: Chuck Bryant, KB5ZVZ 737-0423 Sec/Tr.: Brad Nelson, KJ0W 793-9470 Editor:	10. Oklahoma DX Association Meets: Hamfests and as announced in C&E. Pres.: Larry Shima, W0PAN 405-721-8138 VP: Lu Fisher, K5YP 580-254-5641 VP: Sec/Tr.: Jerry Chouninard, K5YAA 918-341-2659 Editor: Nelson Derks, AC5UP 918-451-1594
2. Oklahoma Central VHF ARC Meets: 11:30a.m., 2nd Wednesday, Home Town Buffet, 3900 NW 63 rd , Oklahoma City Pres.: Bill Noland, WA5FWD 354-5018 VP: Sec: John Dome, KB5WVE 842-3493 Treas.: Jim Speck, W5AI 842-3055 Editor:	11. Edmond Amateur Radio Society Meets: 2:00 p.m., 3rd Sunday, Edmond Community Building 28 E Main, Edmond OK Pres.: Curtis Foote, KC5GEP 359-6514 VP: David Wolf, KC5KJE 340-7486 Sec: Robert Coxey, KM5GZ 478-5715 Treas.: Gary Carson, KD5CPL 751-0006 Editor: Curtis Foote, KC5GEP 359-6514 http://edmondsun.com/ears
4. Oklahoma City Autopatch Assn. Meets: 7:30 p.m., 3rd Tuesday, Salvation Army Bldg NW 50 th and Penn, OKC (Back Door) Pres.: Glynn Massey, N5WNL 631-2731 VP: Ron McCubbin, KC5QCV 341-0591 Sec: Forrest Rush, N5VWF 842-8486 Treas.: Mark Watkins, KD5CXP 340-8596 E-mail: ocapa@juno.com	
6. Altus Area Amateur Radio Assn. Meets: 7:00 p.m. 2nd Thursday, Southwest Area Vo- Tech Center, 711 W Tamarack Altus, OK Pres.: Dale Town, N5VX 580-477-4027 VP: Mike Schenkel, W5VXU 580-846-5578 Sec: Ron Roman, KD5CYW 580-482-8446 Treas.: Fred Cramer, KC5SRJ Editor: Ron Roman, KD5CYW 580-482-8446	15. South Canadian ARS Meets: 9:30 a.m., 2nd Saturday, Red Cross Bldg North OU Campus, Norman Pres.: Tom Miller, KD5ENL 321-7889 VP: Ed Berkowitz, N3US 364-8884 Sec: Bill Baker, N5UMH 366-8641 Tr: Jeff Wyke, KT5OK 329-6762 http://www.telepath.com/n5dkr
7. Enid Amateur Radio Club Meets: 7:00 p.m. 4th Thursday, American Red Cross 400 N Grand, Enid, OK Pres.: John Turner, KA7GLA 580-242-6802 VP: Al Fox, KD5BA 580-242-4800 Sec: Dave Chael, KC5GUD 580-242-3445 Treas.: Dwayne Posey, KC5QVS 580-237-3218 Editor: Dick Stricker, NJ5S 580-233-9869	17. Ada Amateur Radio Club Meets: 9:00 a.m., 1st Saturday, Salvation Army Bldg 115 N. Oak St., Ada, OK Pres.: Steve Wilson, KD5DKZ 580-332-1473 VP: Charles Eiter, KC5TGA 580-436-4425 Sec: Darla Coffey, KC5RGU 580-436-1271 Tr: Marie Wilson, KD5EXM 580-332-1473
8. Choctaw Amateur Radio Club Meets: 7:00 p.m., 3rd Monday, Eastern Oklahoma Co. Vo Tech, 4601 N. Choctaw Rd, Choctaw, OK Pres.: Dave Downing, WD5G 736-6377 VP: Don McDown, N5ENQ 732-6749 Sec: Tim Harper, KC5DSW 391-3096 Treas.: Ron Ernest, WB9DAF 769-3207 Editor:	19. Tri-State Amateur Radio Group Meets: 7:30 p.m., 2nd Thursday, Woodward, OK Pres.: James Hand, NW5OK 580-994-6118 VP: Larry Goodwin Sr. K5LHG 580-886-3283 Sec/Tr: Gerald Bowman, W5AOK 580-994-5600 E-mail: w5okt@arrl.net
9. Wheatstraw Amateur Radio Club Meets: 2:30 p.m., 2 nd Sunday, Location Varies Pres.: Neal Kappus, N5KCO 405-262-1151 VP: Ray Barnes, AB5Z 580-274-3334 Sec/Tr.: Joe Garland, WA5FLT 405-893-2660 Editor: Ralph Wilder, Wa5PFK 405-623-5421	Central Oklahoma Radio Amateurs Meets: 7:30p.m., 4th Tuesday, Salvation Army Bldg NW 50 th and Penn, OKC (BackDoor) Pres.: Harold Miller, KB1ZQ 672-7735 VP: Tom Webb, WA9AFM 737-6716 Sec: Forrest Rush, N5VWF 842-8486 Treas.: Perry Jenkins, N5PJ 354-5075 Editor: Harold Miller, KB1ZQ 672-7735 E-mail: corahams@swbell.net

Deadline for October 2000 Issue of *Collector and Emitter* is Friday, September 29, 2000. Send all Articles to *Collector and Emitter*, 4216 Spiva Drive Del City, OK 73115-4424 on 3 1/2 inch floppy or e-mail to corahams@swbell.net. Articles received after the deadline may not be printed that month. Questions please do not hesitate to call - 405-672-7735 / 405-650-9963.

Central Oklahoma Radio Amateurs, Inc.

Minutes of the CORA meeting for August 22, 2000.

The meeting was called to order by the President of CORA Hal Miller, KB1ZQ.

Treasurer's Report - The President went over the figures he had due to the treasurer's absence.

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

HH 2000 - First, everyone loved the Made in Oklahoma Building. We had 982 people attend HH 2000; which is up from last year.

There were 49 people who came for VE testing at HH 2000. Over 30 people came to the Wouff Hong at 10PM on Friday at HH 2000.

As far as we know, all vendors did well.

There were problems with the location of the forums; that can be fixed for next year.

Elections - CORA elections will be held in September. I am willing to continue as Secretary, but I cannot speak for the other officers. Please, every club should be represented at these elections. Each club should have three representatives for CORA. You don't know how depressed we feel when only seven or eight people show up.

Make every effort to come to the elections in September.

New E-Mail Address.

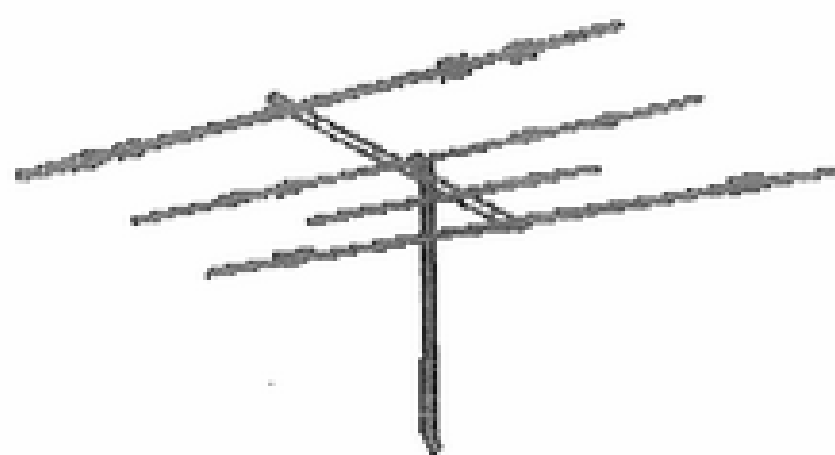
SEND your minutes and articles to: corahams@swbell.net.

FYI - Johnnie, KM5GM, will once again be conducting 5wpm code on the 146.820 repeater beginning on September 1st, 2000 at 7PM. Call Johnnie for details.

Meeting Adjourned.

Respectfully submitted,

Forrest Rush, N5VWF
CORA Secretary



Are The Bands Open?

For the past couple of months, I have been sweeping the HF bands, working DX and stateside stations fairly easily. Then on the morning drive to work report my successes to the folks on the .22/.82 repeater here in OKC.

I hear comments like, I don't hear a thing, I can't break the wall (east or west), my antennas aren't good enough or I still need to get that tower put up. These are excuses why people have not worked these stations that are out there.

In the last couple of months I have been able to work countries I have never heard on the air before. Bhutan, Egypt, Crete, St. Helena Island are just a few of those new ones for me. Just this year alone I have been able to work right at 100 countries. I have not received QSLs for them yet but that is half the battle.

After the May 3rd tornado, Linda and I agreed that we needed to get our station back on the air. The fall is contest season and we have a tradition of operating several contests together. She usually logs and monitors and I make the contacts. In doing this we have been able to win several Oklahoma section awards. This last year we even made a clean sweep in the ARRL Sweepstakes.

However that is not the point, we have been on the air making contacts and seeing the bands open. I have worked stations in Europe and on the Pacific Rim on a regular basis. And had QSOs with folks several times.

The bands are open, the only reason a person is not making contacts is because those contacts are not a priority to them. Get out and string a wire up to listen, tune the dipole that needs work. Yes, it is hot right now, but working in the heat is better

than the rains due to follow. At midnight during a contest is not the time to be running that 80m dipole to work local stations during the sweepstakes, I know!

With the bands being open now is the time to get that antenna work done, clean the ham shack up to get ready to operate. Make sure the computer works for logging, nothing worse than finding a corrupted file in your favorite logging program as the rare section pops up on the band.

I know this sounds like harping, but you are the one that studied, took the tests to get your license, you are the one that should be enjoying it.

Get on the air, make contacts, explore new modes, PSK-31, SSTV, RTTY, CW, SSB or what ever you are interested in. I have played with PSK-31 and really enjoy it.

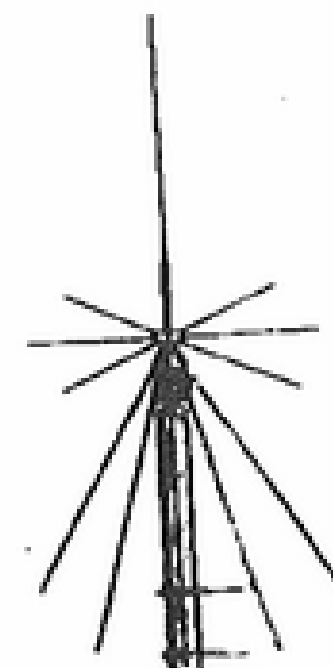
Linda and I have been working and getting ready for the contest season. I have a little antenna work to do, the 80 mph storms bent my mast so it needs to be replaced. I have gone through the computers and downloaded the newest versions of our logging software. And made sure everything works as it should.

I am hoping to verify DXCC 2000 with the ARRL soon and will have another piece of wallpaper to hang in the shack. Linda is ready to work the contests, I get asked what contest is this weekend?

So get off your easy chairs and dust the rigs off, make sure they work, check the antennas out, its time to get ready. Because the bands are open and the peak of the solar cycle is 2 years away. It won't stay this way forever.

Hope to hear you on the air.

Hal, KB1ZQ



CHIT-CHAT

By Linda NILPN

FREEDOM TO CHOOSE...

The haunting music from a land and time far way drifts through the silent house. Songs of courage, strength of character and a pride in heritage, ancient hymns that once were banned for hundreds of years and they survived despite all attempts to silent them. The keepers of these songs risked death if they were suspected of even knowing the words or humming the tunes. The music died. Generation after generation, the words and songs were committed to memory in hopes that someday there would be a time to share them with the world. That day came about 35 years ago.

Although times have changed as we would like to think it has, many things stay the same. We become comfortable with our little place in life and forget to see what is happening around us until something slaps us in the face that is not to our liking. We are taught in school that we must embrace our past, learn from it or we will continue repeating our past mistakes. We are taught to be responsible citizens, take pride in our country, flag, to exercise our rights, and to be guardians of our Constitution. We are not threatened with death, jail or even a slap on the wrist if we fail to be good citizens.

Elections for this country of ours as well as the different ham clubs are once again here. To vote is a precious gift that many no longer cherish today. Sadly, the truth is if we do not exercise this gift to Vote when every opportunity comes up, what kind of world will we create? The only thing needed for Evil to triumph is for Good People to do nothing!

We need leaders that are strong but also in touch with the people they are to represent. The problem is most people feel that their vote doesn't matter and so don't vote. Many individuals that would have made great leaders have refused to run for office out of fear and self-doubt. They don't want to get involved. The end result, we get MR STUPID in office and complain until the next election. Have any of you seen the percentage of people who are actually registered to vote compared to the population and the actual percentage of voters that actually do vote? It is

something to be ashamed of; we deserve what we get as well as how our country is ran because too many people have stopped caring.

So where is the common link between our right to vote and the music I am listening to? The time period the words are from is when Kings ruled the land and the people had no voice. They had no say in their lives and were not even allowed to marry without permission from the Lord of the Manor. Years later, their ancestors are the ones that were packed on ships as cattle and sent to a land across the sea and not expected to live. Against all odds, they made a home for themselves and started the lifestyle we all enjoy today!

How does this relate to ham radio...?

Clubs need to hold elections in the next few months and they need individuals to step forward and run for an office. Persons willing to continue the dreams of the club. Persons willing not to be afraid to commit to an idea they hold dear and to make time for something they love. Too many times I have heard the sayings, "better you than me!" and "I am sure glad they didn't ask me to run," and, "Been there, done that, let someone else have a turn!". I love this one, the old favorite, "Sure wish I could go to the meeting (Election night) but the Wife has plans and I dare not break them!" (Wife has no idea she was to have any plans for that night.)

So, go get a boost of courage, don't hide behind your wife, find time to give of yourself, and if no one is willing to run for an office...YOU DO IT! Don't expect others to do something you yourself are unwilling to do! Stop expecting a free ride through life, you lose out on a lot of rewarding experiences. Get involved in your club!

In 1994 my husband stepped forward and said he would take over as the Editor of CORA! He had no idea what he was getting into but he believed in the newsletter and in the idea. He had never done anything like it before but was not afraid to try. In 1995, he once again stepped forward at a CORA Meeting Elections because NO ONE wanted the job, he knew if no one did step forward the next motion on the floor would be to disband CORA. He knew that he had to do something to save it so became the

President of CORA. He has taken an organization on the brink of folding and brought life into it again. The years have not always been smooth ones but the rewards have been priceless.

I have no idea if Hal plans to run for another term in CORA or not. It is something he must decide on his own. He has dreams still for CORA he would like to see become a reality. His biggest fear is that we may have someone elected as President and they plan to destroy all the things he has fought for to bring CORA where it is today. Hal has invested 5 years into breathing life back into CORA and has earned respect throughout the ham community. We need a Board that is willing to listen and work together as a team as well as the clubs helping with Ham Holiday. Are you ready to step forward and become active in CORA? If not, tell me who will?

Freedom to choose...Be it a national, state, local, or a school election, or even a simple ham club election...YOU NEED TO VOTE! BECOME INVOLVED! Like the music I have been listening to that is a 1000 years old, will you have the courage to save that which you love for another year so others may enjoy it too?

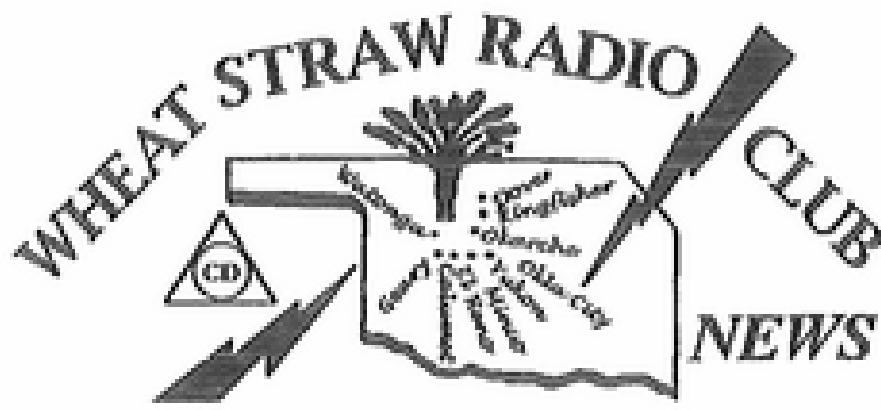
(I normally stay home from CORA Meetings but will be present Election night! Refreshments will be served to sweeten the mood. It is the only meeting with refreshments. Hope to see you there!)

This poem is one recently sent in by e-mail:

SENT WITH LOVE

Did Anyone Ever Tell You,
Just How Special You Are?
The Light That You Emit
Might Even Light A Star?
Did Anyone Ever Tell You,
How Important You Make Others Feel?
Somebody Out Here Is Smiling
About Love That Is So Real!
Did Anyone Ever Tell You,
Many Times, When They Were Sad,
Your E-Mail Made Them Smile A Bit?
In Fact; It Made Them Glad!
For The Time You Spend Sending Things,
And Sharing Whatever You Find;
There Are No Words To "Thank You."

Until next month...33



Wheatstraw Amateur Radio Club

Well the meeting for the 13th of August was canceled due to the excessive heat. It was voted on during the Wednesday net to postpone the meeting until the 10th of Sept. It will be the same shelter at same time as was written for Aug, unless there is further notice.

JOHN (JOHNNY) F. FISH

Johnny was born July 24, 1923, in Canadian County, OK to Walter and Mary Jane Hanks Fish. He passed away on May 26, 2000, at the age of 76, in Parkview Hospital, in El Reno, OK. Johnny attended and graduated from Geary High School. Then Johnny attended Radio School until going into the Navy during World War II as a Communication Technician. After returning home from the Navy, he went to work for Gambell Butane. Later at the Calumet Hardware Store until he retired.

During the 1950's Johnny had passed the Amateur radio test and received his Amateur Radio license. In 1959, Johnny and James Stults, K5RLM held their first Field Day. Field day is a date set aside by the ARRL for all licensed Amateurs. The purpose is to see how many contacts they can make in a 24-hr period. They would go out on the Pearl Howe hill. The hill was out in a pasture and the highest altitude any where around Calumet.

In 1960 twelve amateurs got together and formed the Wheat Straw Amateur Radio Club. K5GBN was one of the charter members, a continued member for forty years. Field Day continued for many years. The Wheat Straw club won the highest awards for the most contacts for the club of their class. This is their 40th anniversary.

Over these many years John, K5GBN was the one that led the club. He changed the oil in equipment, tuned up the Generators, the bus, checked the brakes. He would go out on the Howe hill mowing weeds from the road in the pasture, mow plenty of space for the camp and put up the American Flag. Furnished most of the Radios over the years

Johnny also did the service work on the club repeater. Many times he went out to get the repeater on the air, when he did not feel like going.

When one of us had a break down on our personal radio, Johnny would say have you got the book. Then bring it down I'll will fix it for you. All he charges was the cost of repair parts.

We serve dinner at 1:30, giving time to eat and put things in its proper place. Then the meeting starts at 2:30 or very close.

Non members are welcome just bring a covered dish and come on. If you have a picnic tray to eat from, bring it. Each person brings his or her eating set up. There are usually some extra plates for those who forget to bring them.

Ralph, WA5PFK

The August dinner has been rescheduled for September 10, 2000. Most of the members have been to the Canadian shelter, for those who do not know, and any visitors. From the stop and go light in Canton, go on west across the railroad tracks. Continue on west past the Mini stop and service station. As you drive on

probably 1 mile you will see a farm store. Do not pass it turn just before you come to the store. Go north staying on the main road to the West End of the dam. Vary to the west shortly you will come to a sign just west of the shelter of trees turn to the north or your right. Stay on the main road until you come to the boat dock, circle right around the shelter. It is best to park on the East Side of the shelter, hey you are there, and nothing has changed about the food creating equipment.

Ralph, WA5PFK

John, K5gBN received many certificates, plaques and, and trophies. I had the honor of presenting John one December 13, 1998. It read,

TO JOHN F. FISH, K5GBN

For many years of unselfish support to the Wheat Straw Amateur Radio Club. For your help to others through the kindness of your heart.

Please accept this token of love and respect.

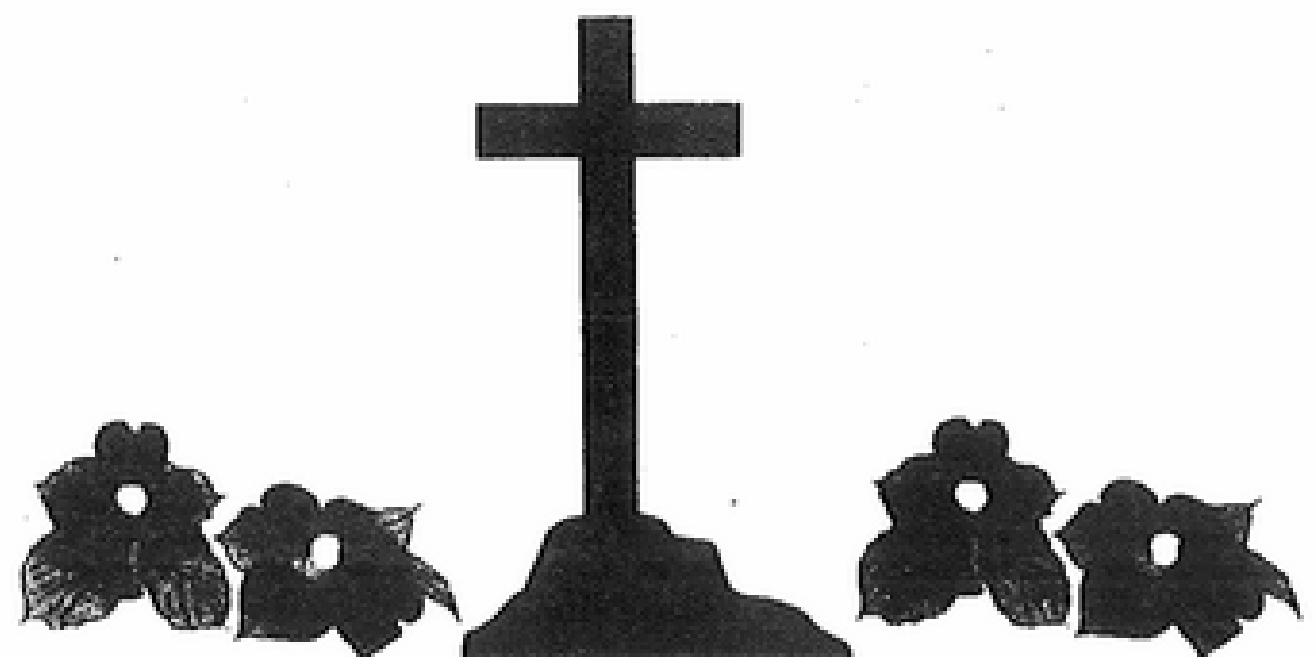
THE CLUB MEMBER'S

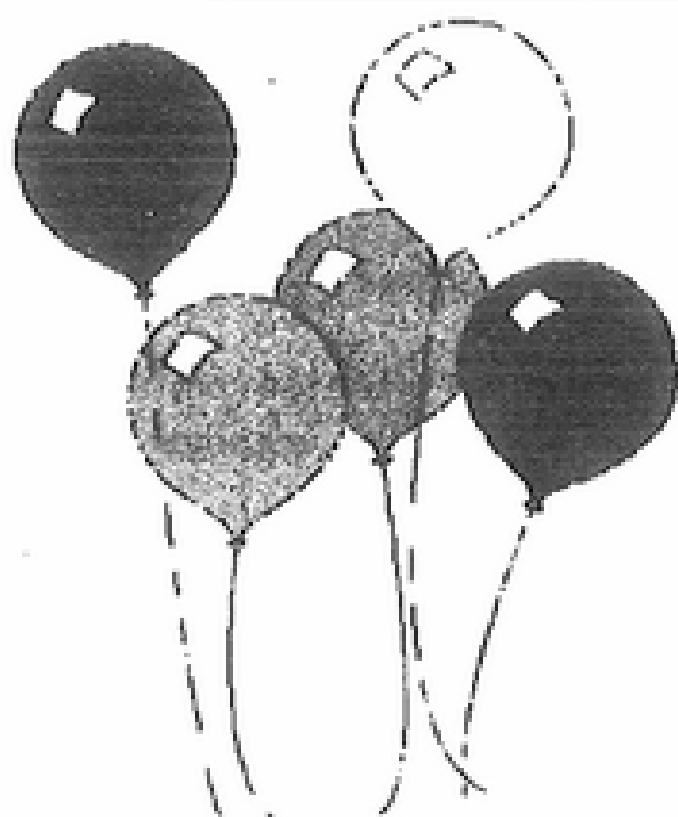
John, was a busy and a generous man, he was a member of the Inter State single side band net, The Oklahoma traffic and weather net. A member of the Open net, a member of the Mason Lodge at Geary #139. A member of the, V. F. W. in El Reno, OK. He was secretary of Calumet Improvement Cooperation for 20 years. A member of the First Christian Church of Calumet, serving as secretary for thirty years, also serving as treasurer. John was an Elder for the Christian Church for thirty-five years.

John was a charter member of the American Legion Post 325 chartered September 6, 1946. This was his fifty fourth year. John Fish had other hobbies, also. One of which was playing golf.

MAY HIS SOUL REST IN PEACE THROUGH ALL ETERNITY, WITH GODS BLESSING.

Ralph, WA5PFK





The Balloons Are Coming!

By Jerome Doerrie, K5IS

k5is@hotmail.com

Tri-State Amateur Radio Group

The Dog Days of summer are drifting ever so slowly by. Each day seems to be hotter and dryer than the one before. The really observant people notice hints of the coming change in seasons. The sounds of bands practicing fill the morning and evening air. The sounds of "thud," "smack" and big moans indicate that another "football" season will soon be providing entertainment. The local yokel "mischievous wasps" will dual the "dangerous dragonflies" of next town in the annual rivalry complete with the anticipation of who will collect the friendly bets this year. Many parents are relieved that their "little darlings" are out of their hair and are back in school.

At Perryton High School it is going to be a lively year. Someone had swapped the boys and girls signs around on the restrooms for the first day of school. The new students don't know any better, so they read the signs. The older students remember how it was last year and don't read! Yes, it is going to be an interesting year.

In her physics classes Bobette Doerrie, N5IS, uses "design challenges" and other special projects to reinforce the concepts that the students are learning. The rules require that the projects be cheap, costing no more than \$5. The device must be small enough to fit through the classroom door. Items cannot be used in their original context—a clock may not be used for timing. However, if the project involves a specific time interval—points will be deducted for each second the device is over or under in time. Bonus points are awarded for most creative solution and best construction.

Three of the more popular challenges are the egg drop, the golf ball, and the musical instrument. The egg drop involves dropping a raw egg from the top of the football bleachers. If the eggshell cracks or breaks, the score will be really low. Various types of shock absorption are used to protect the eggs. The golf ball project is a study in time and motion. Start with a golf ball and in exactly 60 seconds the device is to deliver the same or a different golf ball. Typically the devices are centered on the use of water or sand clocks. When the required amount is collected, then a lever tilts to release the second golf ball. Also popular is some means of adding friction to incline ramps and to have the ball

slowly roll to the exit. These methods exhibit difficulties by having variations in the run time used for each time the experiment is performed. Thus far the most elegant solution has been to use a 45-rpm record player. The top was cut off of an antifreeze jug, turned upside down and attached to the side of the record player. A small balloon was placed through the hole in the top of the jug and blown up, thus sealing the hole shut. A second golf ball was placed in the jug top. The starting golf ball was dropped on a mousetrap, which closed to apply electrical power to the record player. When the record player arm reached the center, a spring-loaded lever was released. In the end of the lever (stick) was a needle. When the needle hit and popped the balloon, out fell the golf ball through the hole in the antifreeze jug. This design is very elegant and each run time of the event was exactly the same for each trial. During the study of sound waves, the students are to make a musical instrument out of things found around the home and play "Mary had a Little Lamb." Glass soft drink bottles are filled to various levels and either struck with something or have air blown across the tops. Long stem glasses produce a "neat" sound when a finger is spun around the lip of the glass. The liquid levels are carefully done for each container in order to tune the notes. One boy brought his dad's mechanic wrench set, which happened to be already in tune. He stuck them with a mallet to produce the notes. Lengths of electrical conduit are hung and struck with mallets to produce a wind chime effect. Specifics of the design challenges are changed each year in order to keep the students new to the task at hand.

As part of an environmental education unit the Perryton High "Reach For Space Project" uses helium filled weather balloons. The balloons can reach altitudes of over 100,000 feet (20 miles) up into the regions of near space. Ham radio transmitters are put on the payloads, so that radio tracking can be done during the flight. Since the balloon can go cross-country and the trackers have to stay on roads, it is easy for the balloons to out run the chase groups. When using yagi antennas, the direction is known, but it is difficult to tell how far away the balloon has traveled. The chase groups get bunched together and the data available does not allow for good triangulation. Reception reports from base stations are very helpful. Eighty percent of our balloons have been recovered.

This next flight will be a test of GPS equipment that will be added to the payload and to fly some student designed projects that will test for cosmic rays. The September dates are canceled and are reset for Saturday October 21st with Saturday October 28th being the weather alternate. The 144.390 MHz APRS frequency will be used along with a 28.322 MHz beacon. Another article is planned for the October C&E.

Fall is here and the balloons are coming. Also, you better carefully check before entering a restroom!

Enid Amateur Radio Club

Wow is it HOT and it was meeting time again. Here are the minutes of that meeting.

The meeting was called to order by John, KA7GLA. John called for a motion to approve the minutes as in the C&E with exception for David, KD5KOM motion by Dean, KL7MA; second Eldon, KC5RRS; approved.

Treasures report given, motion to accept by Al, KD5BA; second by Dean, KL7MA; approved.

Dean proposes a General class starting Sept. 23rd 9am to 11am Saturdays. General class will be taught by Dean and will involve math. Darrell, KM5BQ has offered to help.

Dean welcomed Don, KD5LIE and Butch, KD5LIC to amateur radio.

Dwayne, KC5QVS reported that code classes will start Sept. 5th at 6:30pm to 8:00pm and will follow the next Monday and Tuesday for about 8 weeks.

Old Business: Cherokee Strip parade Sat. Sept. 16th at 10:00am. Amateurs should meet about 08:30am at the pit at Convention Hall.

Also the Friday after Thanksgiving the fireworks show down town.

New Business: Possible new web sight. Per club rules it allows the President to appoint the election committee, which is Tim, KD5KTB; Bill, KC5OKG; and Gean, N5SPY.

Audit committee: Dan, KM5DH; Al, KD5BA; Dick, NJ5S.

Motion to adjourn, second by Clint motion carried. Those present: John KA7GLA, Scott N5VRL, Donald KD5LIE, Sam KD5EVS, David KD5KOM, Dean KL7MA, Clint KB5OEQ, Dale WD5GUG, Bill KC5OKG, Eldon KC5RRS, Tim KD5KTB, Darren KM5BQ, Gene N5SPY, Al KD5BA, Dwayne KC5QVS, PHIL KC5DCT.

73's Sam

People doing things: Things don't just happen it takes people doing not just

talking about it. Well we have such a person in the club. Who you say, well it is John Turner, KA7GLA. John has done a lot of work as President getting things going at the Red Cross for a clubroom and meeting place and working to get the ARES network functioning. Well John has also been working to get the ARES working all around the state, think about that job. People noticed his work so now he will lead the state as he has been appointed to the position of SEC, Section Emergency Coordinator for the state of Oklahoma. Congrats John.

Also we have a new DEC Al Fox, KD5BA who will take care of Garfield, Alfalfa, Major, and Blaine Co.



The Amateur Radio Emergency Service (ARES) consists of licensed amateurs who have registered their qualifications and equipment for communications duty in the public service when disaster strikes. Every licensed amateur, regardless of membership in ARRL or any other local or national organization, is eligible for membership in the ARES. The only qualification, other than possession of an Amateur Radio license, is a sincere desire to serve. Because ARES is an amateur service, only amateurs are eligible for membership. The possession of emergency-powered equipment is desirable, but is not a requirement for membership.

There are four levels of ARES organization--national, section, district and local. National emergency coordination at ARRL Headquarters is under the supervision of the ARRL Field Services Manager. Who is responsible for advising all ARES officials regarding their problems, maintaining contact with federal government and other national officials concerned with amateur emergency communications potential, and in general with carrying out the League's policies regarding emergency communications.

At the section level, the Section Emergency Coordinator is appointed by

the Section Manager (who is elected by the ARRL members in his or her section) and works under his/her supervision. In most sections, the SM delegates to the SEC the administration of the section emergency plan and the authority to appoint District and local ECs. Some of the ARRL sections with capable SECs are well organized. A few have scarcely any organization at all. It depends almost entirely on whom the section members have put into office as SM and whom he/she has appointed as SEC.

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It is at the local level where most of the real emergency organizing gets accomplished, because this is the level at which most emergencies occur and the level at which ARES leaders make direct contact with the ARES member-volunteers and with officials of the agencies to be served. The local EC is therefore the key contact in the ARES. The EC is appointed by the SEC, usually on the recommendation of the DEC. Depending on how the SEC has set up the section for administrative purposes, the EC may have jurisdiction over a small community or a large city, an entire county or even a group of counties. Whatever jurisdiction is assigned, the EC is in charge of all ARES activities in his area, not just one interest group, one agency, one club or one band. In the large sections, the local groups could proliferate to the point where simply keeping track of them would be more than a full-time chore, not to mention the idea of trying to coordinate them in an actual emergency. To this end, SECs have the option of grouping their EC jurisdictions into logical units or "districts" and appointing a District EC to coordinate the activities of the local ECs in the district. In some cases, the districts may conform to the boundaries of governmental planning

or emergency-operations districts, while in others they are simply based on repeater coverage or geographical boundaries. Just what shape the plan in your locality will take depends on what your EC has to work with. He/she uses what he/she has, and leaves provision in the plan for what he/she hopes, wants and is trying to get. Flexibility is the keynote. The personnel, equipment and facilities available today may not be available tomorrow; conversely, what is lacking today may be available tomorrow. In any case, bear in mind that organizing and planning are not a one-person task. The EC is simply the leader, or, as the title indicates, the coordinator. His/her effectiveness inevitably will depend on what kind of a group he/she has to work with; that is, on you and your cohorts. Make yourself available to your EC as a member of his planning committee, or in any capacity for which you think you are qualified.

Local ARES operation will usually take the form of nets--HF nets, VHF (repeater) nets, even RTTY, packet or other special-mode nets, depending on need and resources available. Your EC should know where your particular interests lie, so that you can be worked in where your special talents will do the most good.

Emergency Communications is the main part of amateur radio and you should be well trained in proper communications. You never know when the call will happen! If you need more info on ARES, call John Turner KL7GLA at 580-242-6802 or email at jturner@intercorp.com and he will be glad to help you

The Oklahoma Phone Emergency Net meets every Sun. am at 8:00 on 3900khz. Stop by and check in.

The EARC will start code classes on the 5th of Sept. at 6:30pm at Wheat Capital Comm. 306 W. Willow. For further info is available by calling Dwayne, KC5QVS at 580-237-3218.

If any of the members have any thing to put in the C&E please send it to me or let me know what you want in the paper. Also any stuff that you need to get rid of so you have more room for more stuff let me know and we will get it in.

73's for now Dick, NJ5S



Choctaw Amateur Radio Club

Minutes for the August meeting of the Choctaw Amateur Radio Club Meeting
Date: Monday, August 21, 2000 (Third Monday of the month)

Meeting Time: 7:00 PM

Meeting Place: Eastern Okla County Vo Tech; 4601 N. Choctaw Rd.

10 members present

Treasurer's Report: Read and approved.

IMPORTANT!! Next meeting will be held at Spencer's Barbecue 9900 NE 23rd Street.

The meeting will be at 12:00 noon Sat. Sept. 23. So adjust your diets accordingly before hand.

Old Business:

Chuck Kanach will investigate the possibility of starting a class for amateur radio at the vo tech and report back the club. Members please think about what you might like to teach. We hope to give each of you an opportunity to impart your wisdom and experience to a new generation of hams.

We are looking for ideas on how to easily dig holes for the club tower at Don Clark's house. If any one has a powered post hole digger or access to a back-hoe or any other ideas let us know. We will start on the tower after the heat wave is past.

New Business:

Route 66 project is a special operating event to recognize the important place this great highway has played in American history. Hams everywhere are invited to take part and enjoy the fun.

Remember the great old song, Get Your Kicks on Route 66? This Bobby Troup hit, recorded by dozens of artists over the past half century, urged a generation of post-war Americans to hop in the car and see the country by traveling Route 66's more

than 2000 miles from Chicago to Los Angeles. It captured the spirit of freedom over the open road and inspired many to hit the highway.

To offer hams a fun way to relive their own memories of Route 66, and to share the impressions of others, we've put together the Route 66 On the Air event. The song names 12 cities on Route 66. Amateur Radio Clubs will be operating from each of these cities during this special event period to contact as many stations as possible wanting to take part. A really nice certificate will be available to any ham working at least one of these special stations.

Station - City - Sponsoring Club

K6A Chicago, IL- Six-meter club of Chicago

K6B St. Louis, MO- St. Louis Amateur Radio Club

K6C Joplin, MO- Joplin Amateur Radio Club

K6D Oklahoma City, OK- Choctaw ARC & Okla City Autopatch Ass'n (OCAPA)

K6E Amarillo, TX- Panhandle Amateur Radio Club

K6F Gallup, NM- pending

K6G Winona, AZ- Northern Arizona DX Ass'n

K6H Flagstaff, AZ- Northern Arizona DX Ass'n

K6I Kingman, AZ- Hualapai Amateur Radio Club

K6J Barstow, CA- Barstow Amateur Radio Club

K6K San Bernardino, CA- Citrus Belt Amateur Radio Club

K6L Los Angeles, CA- Pocket Autopatch Ass'n

www.qsl.net/nadxa/route66/rt66.htm for more info

Choctaw Amateur Radio Club will operate from the Cowboy Hall of Fame during business hours. Don Mcdown N5ENQ is heading up the project for CARC. Please contact him if you want to participate 732-6749.

This fall, take a nostalgic trip down the Mother Road
with your radio ...



On the Air!

...is a special operating event to recognize the important place this great highway has played in American history. Hams everywhere are invited to take part and enjoy the fun.

Remember the great old song, *Get Your Kicks on Route 66*? This Bobby Troup hit, recorded by dozens of artists over the past half century, urged a generation of post-war Americans to hop in the car and see the country by traveling Route 66's more than 2000 miles from Chicago to Los Angeles. It captured the spirit of freedom stimulated by the open road, and inspired many to hit the highway.

To offer hams a fun way to relive their own memories of Route 66, and to share the impressions of others, we've put together the Route 66 On the Air event. The song names twelve cities and towns marking the traveler's progress along the way. Amateur Radio clubs will be operating from each of these places during the special event period to contact as many stations as possible wanting to take part. A really nice **certificate** will be available to any ham working at least one of these twelve Route 66 stations, with endorsements identifying all the special event stations the ham worked:

Station	City	Sponsoring Club
K6A	Chicago, IL	Six-meter Club of Chicago
K6B	St. Louis, MO	St. Louis Amateur Radio Club
K6C	Joplin, MO	Joplin Amateur Radio Club
K6D	Oklahoma City, OK	Choctaw ARC & Okla. City Autopatch Ass'n
K6E	Amarillo, TX	Panhandle Amateur Radio Club
K6F	Gallup, NM	(pending)
K6G	Winona, AZ	Northern Arizona DX Association
K6H	Flagstaff, AZ	Northern Arizona DX Association
K6I	Kingman, AZ	Hualapai Amateur Radio Club
K6J	Barstow, CA	Barstow Amateur Radio Club
K6K	San Bernardino, CA	Citrus Belt Amateur Radio Club
K6L	Los Angeles, CA	Pocket AutoPatch Association

**Special Event
Period:**

**9-17 Sept.
2000**

For more information, check out the *Route 66 On the Air!* website at

www.qsl.net/nadxa/route66/rt66.htm

Get Your Kicks on Route 66!

Organized by the Northern Arizona DX Association



Aeronautical Center Amateur Radio Club

The Aeronautical Center Amateur Radio Club (AC ARC) has a long and proud history with the Mike Monroney Aeronautical Center as amateur radio station WSPAA. The club's well equipped amateur radio room is located adjacent it's meeting room in the ham club building on the center. The club repeater is a General Electric Master II commercial grade repeater controlled by a S-COM 7K controller connected to a 10dB gain antenna. The repeater is located atop a 3 story building at the Center and transmits on 146.85 MHz. The Mike Monroney Aeronautical Center is located on the West side of the Will Rogers International Airport runway complex. The antenna is approximately 100 feet above the average terrain. The repeater effectively serves Southwest and central downtown OKC, Mustang, and Newcastle. Near term plans for this repeater include increasing the transmitters output power, adding more sophisticated features to the controller code, adding a separate receive antenna located away from the transmitters RF field and substantially increasing the repeaters sensitivity through low-loss filtering and high gain pre-amplification.

The AC ARC is building another repeater system at the Bridge Creek fire station on south Sarah road south of highway 37. This location is among the highest of the high terrain areas in the OKC metro area. The repeater will have a 100' Rohn tower supporting it's antenna and controlled by a S-COM repeater controller. The repeater is presently on the air, tuned to 145.47 MHz. Once finished, the repeater will be linked to the AC ARC's 146.85 repeater and is expected to provide solid coverage over Moore, Norman, Northwest and central OKC, Blanchard, Tuttle, Bridge Creek and Minco; with fringe coverage extending towards Chickasha, and the farther reaches of Oklahoma City.

Arrangements have been made to install an addition repeater system in the Edmond area and linking it to the AC ARC 146.85

machine. Present financial and volunteer limits will force delaying this undertaking for some time.

The AC ARC is considering adding a Digital Voice Recorder (DVR) and commercial grade weather alert receiver to the club's repeater and linked network. The DVR will allow members to post messages and announcements to facilitate member and club functions. The weather receiver is designed to control and relay severe weather announcements over the repeater. The receiver is programmable to initiate specific actions depending on coding of messages received from the National Weather Service. An addition feature is the receiver records and replays severe weather announcements on demand.

The AC ARC meetings are held the first Thursday of the month at the club meeting room in the ham club building on the Aeronautical Center. The meetings start at 07:30 PM. All amateurs and their spouses are invited. Teleconferencing the meeting over the 146.85 MHz club repeater is being experimented with to include those unable to attend. Simply check in to the meeting net on 146.85 MHz at 07:30 on meeting night to participate in this experiment. Please provide feedback on what works and what does not with this feature of the club meeting.

The 146.85 repeater is open for all to use. The club encourages use of the repeater as a calling repeater to contact other hams. The club is experimenting with an information net called the Aeronautical Center Amateur Service Program as a feature of the repeater service. Various hams monitor 146.85 for the express purpose of providing information to other hams as a form of community service. Information such as road closings, assistance to passing-through motorists, directions, address assistance, weather warnings, traffic snarls, etc are but a few of the questions of which answers can be sought. The program is in infancy and the club is evaluating the concept's viability. If you have a question while motoring about the city, call on 146.85 and see what you can find out. If you would like to participate in this experiment, simply tune in on 146.85, announce your presence occasionally and listen for someone in need of assistance. Log your activity and report at the next club meeting.

Membership in the Aeronautical Center Amateur Radio Club is open to all amateurs. Only a few of the club officer positions are restricted to Aeronautical Center Employees as necessitated by accountability restrictions and requirements. The dues are 10 dollars per year. Memberships are sought from all amateurs in the community to keep the club financially postured to support, promote and expand the AC ARC repeater network and equipment. Contact Bob Kremer WA9FCT @ 381-3182, Paul Solheim WB7QIN @ 381-3574 for membership. We hope to hear you on 146.85!

Bury Your Radios !

This goes back a few years, but I was working a guy on 20 meters, testing a new vertical in my back yard. "Sounds okay on this end," he reported, "how many radios you got hooked up?"

"Just one right now ..."

"Well, you're gonna want at least three radios on it. The more radios, the better you get out."

Some genius, I thought, but he went on. "Soon as you get your radios tuned up, you wanna bury them."

"Bury them?"

"Sure, so you won't wreck them with your lawn mower."

"Right, wouldn't want to wreck them," I agreed, reaching for the power switch.

"Just a few inches deep is plenty," he advised.

"Golly, there's the old dinner bell, 73!" Log another one for Worked All Wacko's.

Shortly thereafter, I mentioned this conversation to Jerry, N5KNU here in Oklahoma City. Jerry said, what we need is some kind of two-meter net, where we can talk about all this technical stuff like antennas and satellites and computers -- and "radials".

So Jerry started the 'TECH NET' on the 146.670 repeater, every Thursday evening beginning at 8:00 p.m. That was six years ago and it is still going strong, with plenty of good questions and answers about amateur radio. Beginners are especially welcome! Don't bury your radios 'til you check with Tech Net.

Johnnie, KM5GM



Oklahoma City Autopatch Association

Minutes of the OCAPA meeting for August 15, 2000.

Glynn Massey, N5WNL president of OCAPA, opened the meeting at 7:33 PM. There were seventeen members present.

Treasurer's Report - We have money in the bank, and the 2000 Scholarship is in place for Stacy Ann Jobe. The treasurer's report was accepted.

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

The Route 66 Special Event - The Route 66 Special Event is scheduled for September 9 through 16, 2000. OCAPA and the Choctaw ARC are working together to man our part of this Special Event. There will be eleven stations on the air for this Special Event. Our stations will be at the National Cowboy Hall of Fame and at Salvation Army Divisional HQ's. Don McDown, N5ENQ, is coordinating our part in OKC and deserves a special thank you.

We really need operators for this; if you want to help, contact Don. Frequencies will be for CW: 3533, 7033, 14033, 21033, 28033, and 50033. SSB Frequencies will be 3866, 7266, 14266, 21366, 28466, and 50166.

A really neat certificate will be available. For more information check out www.qsl.net/nadxa/route66/rt66.htm.

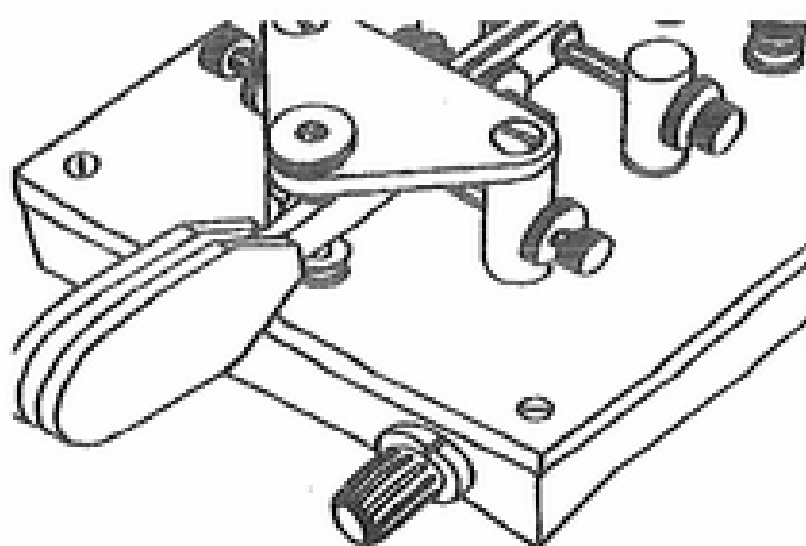
Elections - Think about whom you want for your club officers. Glynn and I cannot serve again as officers due to the term limit in the OCAPA constitution. Elections were rescheduled for the September Meeting.

Hats and Shirts - If you ordered hats and/or shirts, they should be available at the September meeting.
Respectfully Submitted,

Forrest Rush, N5VWF

Amateur Radio Newsline

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The Big T-Hunt: Finding the ditter

When a strange signal appeared on 14.008 MHz the morning of July 24th, the ARRL and the IARU Monitoring System were ready to handle the intruder. The signal was heard all across North America as an ongoing series of CW dits. But as it turned out, it wasn't a trespasser. Just a wayward piece of ham gear as we hear from the League's Brennan Price, N4QX:

Initial reports gave conflicting beam headings of the offending signal, dubbed "the ditter." But when FCC staffer John Reiser, WQ4L, called ARRL to report his observations, things started to happen.

Reiser facilitated an FCC DF trace to the San Diego area. The ARRL San Diego Section leadership was notified, and Section Manager Tuck Miller, NZ6T, coordinated local hams in a close-range DF effort. San Diego section Official Observer Coordinator Bill Sallee, K6TWO, took several field readings. At one point, when he'd narrowed the location to within two miles, the signal abruptly disappeared. The ARRL Monitoring System also was alerted. It was confirmed that this was a normal CW signal, not a "woodpecker"-type intruder.

Dialing around the bottom edge of 20 meters early on July 26, IARU

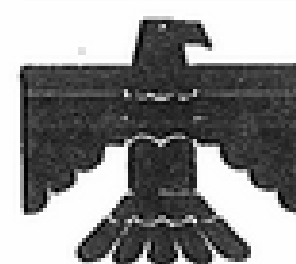
Region 2 Monitoring System Coordinator Martin Potter, VE3OAT, heard the ditter once again, this time near 14.026 MHz. Potter determined that the signal had an identical period and beam heading as the one heard earlier. He notified ARRL Headquarters, and the San Diego hams picked up where they'd left off.

Sallee's field strength readings drew him closer and closer to the coast, where the heading reversed. Sallee reports that he ultimately found the apparent source in the oceanfront community of La Jolla. He says the woman who answered the door said her husband was a ham and allowed Sallee to take a look at the station. Sure enough, a stuck dit paddle was keying a powered, unattended rig, which Sallee disabled.

Sallee theorizes that heating and cooling within the ham's un-insulated shack and a combination of corrosion in the keyer paddle's pivot mechanism and close dit contact spacing contributed to the contact's migrating to a closed position. He said the ham later told him that he'd been operating on 14.007.5 MHz on July 21 but did not return to the shack until Monday afternoon. "He remembers listening to a CW contact on 14.026 but did not transmit," Sallee said. "He then left the shack unaware that by leaving the rig on, he would fall victim to unattended transmission when the moisture and temperatures began to change."

Sallee says the ham, whom he did not identify, was most embarrassed and said he had learned a valuable lesson about powering down his rig while unattended.

I'm Brennan Price, N4QX.



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Edmond Amateur Radio Society

Birthdays:

The following EARS club members have September birthdays:

09-02	Larry Traub	N5OL
09-06	Glo Guinn	KB5BGM
09-06	Edith Vaughn	KA5YPX
09-06	Dick Stimson	KK5XO
09-10	Ron McCubbin	KC5QCV
09-15	Donald Rooker	NO5M
09-17	William Green	N5YDU
09-20	Ellen McCaskill	N0VXE
09-20	Beverly Estlinbaum	KA5WKQ
09-21	Joe Watson	W5WBR
09-24	Robin Streit	KD5IDO
09-24	Steve Hamlin	KG5IP
09-25	Squire Luttrell	KA9KFC
09-25	Glen Grossman	KD5GDG

Member Information:

Another of our members has recently received a new call sign:

Terry Deas (formerly KC5GDC) now W5WTD

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

Board Meeting:

CALL TO ORDER: President Curtis Foote, KC5GEP called the meeting to order at 7:35 PM in Room 201 of the Community Center. In attendance were the following:

Curtis Foote, KC5GEP; David Wolf, KC5KJE; Patrick Martin, KD5CPQ; Sharon Thompson, KM5GV; Earnest Wolf, K5YKD; Ron McCubbin, KC5QCV; Gary Carson, KD5CPL; Clara Granger, KG5UG; Lee Vaughn, KA5WIS; Dee Mize, WD5FHR; Jim Richardson, N5OHL; Steve Kuper, KC5RYT; Tom Harris, KD5IOY

MINUTES: In the absence of secretary Bob, KM5GZ the minutes were approved as previously provided to the Board by mail and email.

TREASURER: Gary, KD5CPL reported ending balances as of 7/31/00. Motion and acceptance approved his report. Gary submitted for reimbursement to Clara, KG5UG for purchase of ARRL licensing manuals and for Field Day food and supplies. A motion was made and accepted. Clara asked the Board whether it was acceptable, as was done last year, for the Club to purchase drinks and snacks for the licensing class, with all resulting donation proceeds going to the Scholarship fund. The Board gave informal verbal approval.

V.P: David, KC5KJE announced that the August Dinner meeting will be held on 8/19/2000 at 6:30 PM at Luby's Cafeteria at May and Britton.

REPEATER: Lee, KA5WIS reported that the repeater is working fine and appears to have good coverage. This past week, the 443.150 antenna was straightened after storm damage. Lee reminded those present to respond nicely to people heard on the repeater when unknown to you. They may be new hams or new to the area and looking for a contact.

EMERGENCY COORD: Lee advised that the TV monitor is now in place in the EOC. The tower at the EOC has been modified with hard line and removal of some unused antennas. The Club needs to work on further grounding and the City will be installing lightning protection at the EOC. The set-up is now more efficient and ready for net operations. The siren test on 8/5/2000 went well, with 3 sirens reported non-operational.

BD. MEMBERS: Ernie, K5YKD announced that on 8/12/2000 the QCWA will be holding a tailgate at D W Electronics, at their new location off I-40.

ACTIVITY:

* Curtis asked whether the Board was interested in participating in Jamboree-on-the-Air Oct. 21-22. After discussion, the Board said they would like to consider this, perhaps opening the Club Station for this purpose. Curtis will investigate further and this will be discussed at the next meeting.

* Lee had no dates yet for the UCO Parade, but will contact them for an update.

* Nothing has been heard about this year's Classic Car show.

HF COMM: Statehood Day-Dee received information from the Scottish Rite Temple in Guthrie, the location of the first State capitol. They are open to the Club operating the special event station from that site. The grounds would easily accommodate the necessary antennas, with space inside the building for the station. Dee will also be giving an organ concert on the Temple's pipe organ. The Board said they would like to pursue this, with the possibility of holding the special event on 11/18/2000 and combining it with the November dinner meeting at the temple. A tour of the temple can be arranged, if desired. Ed, KA8NBG is looking into a possible special call for this event. The QST submission deadline is 9/1/2000.

CORA: Ron, KC5QCV indicated that attendance at Ham Holiday was good this year. The Made in Oklahoma building was well received as a site, however, the location may not be available for 2001. The cost of the C&E may have to be raised again, or the size of the newsletter may have to be limited to keep the cost down.

MEMBERSHIP: Sharon indicated that new members are still joining steadily. Others indicated that the Club's exposure has been very good with Rick's N5KLM PSA's on the radio regarding the classes.

CALLING COMM: Clara asked David to provide Sherry, KD5CPJ and Trish, KC5YBP with the necessary dinner information for the Calling Committee.

HEALTH/WELFARE: Clara reported that former member Bill Thomson has been moved to a specialty rehab facility in Edmond as he recuperates from heart problems. He is improving nicely. Bob's KM5GZ father, Mitchell Coxsey is in the hospital in Duncan recuperating from a

second hip surgery. He has some complications and is not doing too well at this time. Clara asked for everyone's prayers for these people.

OLD BUSINESS:

Classes - Clara indicated that to date she has received 21 calls about the classes, estimating perhaps 15 who plan to attend. Flyers are posted at K & E Electronics, and Tom, KD5IOY said he put a flyer up at the VA Hospital. Flyers were also available at the registration desk at Ham Holiday. Curtis suggested that on the post-class "What Now?" session, we may want to show students mobile unit set-ups in various member vehicles, and perhaps a field trip to someone's home station. Clara indicated that if class set-up has to be done on Sunday afternoons, she and John will need help with that.

NEW BUSINESS: Curtis inquired about approval for the P.O. Box renewal. Gary felt this should be paid as a routine bill and it should come up for renewal in October or November.

ADJOURNMENT: The meeting was adjourned at 8:45 PM.

Respectfully submitted,
Sharon Thompson, KM5GV

FUTURE ACTIVITIES:

The following will look familiar from last (and every) month. By the time these events come around, it won't be 100 degrees. (I Hope!)

The September Siren test is the 2nd of September at noon. The October Siren test will be the 7th of October. I do think it will cool off one of these days, so it will be more fun to cover a location. Please let Edith, KA5YPX know you can do it when she asks, so she won't be short of watchers. Give Edith a call at 348-2961 early to get a spot to listen from.

Breakfast still happens each Saturday at Perkins on Broadway around 8:15 on each Saturday mornings, maybe as late as 8:45. There should be some mobile antennas in the lot, so come by and have some good food and fellowship.

Don't forget about the Monday Night Information Net! When is the next hamfest? When and where is the next test session? What is the EARS club about to do? What's the current news on this year's

classes? Find the answers to these questions and many more every Monday night at 8:00 PM on the 147.135 repeater. New control operators are always needed. Bob Coxsey is the net manager. Give him a ring if you'd like to give it a whirl.

The next Board Meeting will be at the Edmond Community Center at 7:30 PM on September 12th. We're in a different room from the Club station so there is plenty of room. We'll be putting the final touches on some upcoming events, so come on by and see what is going on.

The September Club Meeting will be held at the Edmond Community Center at 2:00 p.m. Sunday September 17th. There will be a tailgate trading time starting at 1:30 or 1:45. Bring your bargains and see what is there. Hopefully it will be cooler than the last time we were all out under the tree.

The EARS Technician Licensing Class has started on the 20th of August and will run for 8 weeks followed by a test session on the following Sunday, the 22nd of October. There are over 20 students so far. Clara Grainger, KG5UG is the central contact for the classes at (405) 341-2968. The club station is also open on Thursday nights for students to come and see what is going on. All members are invited to come by a class or Thursday night to meet and support the class members.

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

We will also hold a Special Events station in conjunction with Oklahoma Statehood day this fall. Preliminary plans call for the station to be in the Masonic Temple in Guthrie on the 18th of November. This is getting more interesting all the time, with some very nice tours available. There are several nice restaurants in Guthrie, so the dinner meeting will probably be there also.

Jamboree On The Air will be the 21st of October. There is interest from both Boy and Girl Scouts to participate from our club station. Would you like to help out? Come and pitch in!

HEALTH and WELFARE:

Hi everyone,
We wish to extend our deepest sympathy to Bob Coxsey, KM5GZ, Eric KC5TCZ, and all their family. Bob's father,

Mitchell, passed away on Tuesday, August 15th, 200 in Rush Springs, Oklahoma. May the many fond memories of your loved one help you through this difficult time.

Keith Morrison, KC5TPC, his wife, Helen, had an aortic Valve replacement at Integris Baptist Medical Center on August 11, 2000. Her doctor stated her surgery went exceptionally well. She was dismissed the 16th and is getting stronger each day.

Bill Thompson, N5KLG, is still undergoing therapy at the Integrated Specialty Hospital of Edmond. He is getting a little stronger and stated he is looking forward to going home soon. Let's all be sure to keep the Coxsey, Morrison and Thompson families in our thoughts and prayers.

Hope all is going well with the rest of our members. Let us all be grateful for the blessing of good health.

73 de Clara Grainger

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

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\$0.66/PF**

**14 AWG "Silky" tees
Propagating Antenna Wire
\$0.14/PF**

**450 Ohm Ladder Line
#14 awg stranded
\$0.28/PF**

**1:1 Current Balun
Made by Spiro Mfg. 1.5 kw
\$21.00**

Ada Amateur Radio Club

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

Marie, KD5EXM gave the Treasurer's report: no income and no expenses during the month. Balance unchanged.

Mason, WT5X has worked on the repeater and gotten it "up" for use. It has been on-and-off a lot in the last month. A part for the repeater was ordered on Monday. It will cost about \$250.00. Charles, KC5TGA reported the company would test it before they send it to us. The new board has a different circuit so heat shouldn't affect it like the old one.

A discussion followed about whether the repair will keep the repeater in use for any length of time, or will there still be other things going wrong with it. Mason will clean the control and work it over some before the part is installed, so it will last as long as possible. He said the average life of a repeater is 12-15 years, with maintenance. Hugh, KD5ION asked how much it would cost to replace? Some people felt it would not be necessary to purchase a repeater with all the "extras" that the present one has. A basic controller, receiver, and exciter would be a little more than \$3,000. The question raised by President was whether we want the City to buy and own the repeater, or if the Club wants to buy a new one and own it. Our club provides a much-needed service for the City, and most felt the City should be approached to provide a replacement for the present repeater. Sam, N5IY, was asked (and he accepted), to write a short proposal for the City of Ada, asking them to include the cost of a new repeater in their long-range plan. Charles made the motion that the Ada Amateur Radio Club ask the City of Ada to buy a repeater. Wendell, KC5UFO, seconded the motion. The motion passed with a unanimous vote of hands.

Scott, KD5AJL, could not attend the meeting because he was at an OKFirst meeting. Scott is the amateur radio coordinator during storm watch.

The Phone Patch on the repeater was mentioned, and it was asked that everyone submit numbers they wish programmed in. Also it was again suggested that we table the discussion about changing the "911" number until Roy, KB5STV is at the meeting.

Meeting adjourned.

VE session followed. Wendell KC5UFO will now have a General license. Congratulations to Wendell.

Minutes submitted by Marie Wilson, KD5EXM, AARC Treasurer

More Amateur Radio Newslines

New Amateur Satellites in the offing

Several new amateur satellites are reported on the way. This, as payloads from Saudi Arabia and Malaysia are sent to Russia for launch.

SAUDISAT-1A and SAUDISAT-1B, the first Amateur Radio satellites from the Kingdom of Saudi Arabia, are under construction at the Space Research Institute in Riyadh. Tentatively set to launch August 25 from the Baikonur Cosmodrome, Kazakhstan, the two satellites will be capable of 9.6 kb digital store and forward operation as well as FM bent pipe mode. SAUDISAT-1A will have a downlink on 437.075; SAUDISAT-1B will downlink on 436.775 MHz. VHF uplinks will be announced after commissioning.

And The first Malaysian amateur satellite, TIUNGSAT-1, is also slated to be launched on the same vehicle. The new bird will offer FM and FSK with uplinks at 144.46, 145.85, and 145.86 MHz and downlinks at 437.300, 437.325, 437.350, and 437.375 MHz. The package also includes the Multi-Spectral Earth Imaging System and Meteorological Earth Imaging system payloads. The Malaysian spacecraft is the result of a technological collaboration between Astronautic Technology and Surrey Satellite Technology Ltd. (AMSAT-NA, UK AMSAT, ARRL)

Faulty Signal Boluxes VCR clocks

And finally, if you are one of those people who owns an automatic time setting home videocassette recorder that never has the right time, listen up. There is nothing wrong with your VCR and by now it should be on time if you set it manually and leave the auto set feature turned off.

The reason for the snafu that set VCR's across the nation to Pacific Coast time was traced to a digital time signal being transmitted by Fox television during its network shows. Fox's Los Angeles network center turned off the signal Thursday July 13th.

But the problem may not be limited to Fox. The Public Broadcasting System also sends out the time-setting signals. Affiliate stations are supposed to adjust the signals to local times before relaying them to VCR's, but according to news reports that does not always happen.

(Published news reports)

Enforcement: FCC reinstates suspended license

Some good news for a Vancouver, Washington ham. The FCC has reinstated the license of Benjamin J. Lee, KC7IUP, following a one year voluntary suspension.

In May 1999 the FCC responded to interference complaints and t-hunted a vehicle that was found registered to Lee. Mobile radio equipment in the vehicle was inspected and Lee was interviewed at the scene. He was then issued a Notice of Violation for deliberately interfering with repeater operations on 466.750 MHz.

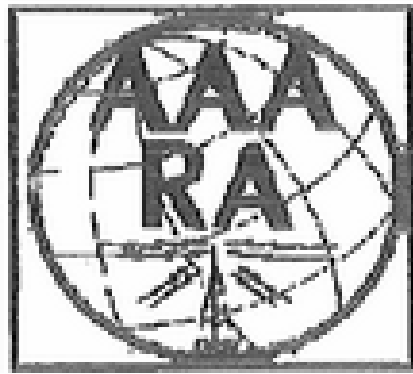
Rather than be subject to a fine, Lee offered to surrender his license for a one year period. On July 6th the FCC notified Lee that the suspension period had ended and he could resume his ham radio operations.

(FCC)

1631 SE 15th

677-9001





Altus Area Amateur Radio Association

From the President:

Hi all. Has August been hot enough for you? It sure has for me.

Let's see what we have accomplished this month. We had a real good club meeting and more recently a good ARES meeting. If for some reason your not making either of these, please pencil the second and forth Thursday of each month into your calendar and come join us. You're missing a lot of good fellowship and the opportunity to become involved in several different projects.

Well, even though it was hot, hot, hot, we managed to spend quite a bit of time outside working on the club communication van. It finally has Formica counter tops and carpet.

We were asked by the Red Cross to bring the van to the Red Cross Community Day to show it to the public. Several club members decided that before we showed it off to the general community, we'd better do some work to make it presentable. Dave Locke, KC5SII; Jackie Dickerson, KD5EDP; and I worked on it every day after work for about a week to get it to a point that we felt the community would appreciate. George Mateyko, N1GM who installed the light bar also joined us.

Several other hams stopped by to lend a hand or just enjoy the company. The Friday night, just before the show, turned into an impromptu party at my house as hams from all over came to see what we were up to. Of course we're not done yet, but we're a lot further along.

The Van was a big success at the show. Many people stopped by to see what we had done with this 1966 bread truck. Dave set up an APRS demonstration and, of course, we had a 2-meter going at all times. Later in the morning we set up HF and used our newly donated (read that

permanently loaned) HF antenna. Everything worked well and I think the public was impressed. The club is doing a lot of things this year.

Come on and join in the fun. If you've got any ideas of things that we could be doing, let one of us know. Be ready to lead the way and we'll add it to our list of club projects.

Have a great September and I'll see you on the second Thursday at 1900 hours.

Respectfully,

Dale Town, N5VX

22 Aug Test session results

3 New Techs
2 New Generals
5 tested in all.

George, N1GM

Thoughts In the Air

By Ron Roman, KD5CYW

Howdy Do to all, from the Frying Pan of the Southwest part of the State,

Another month has flamed by, well I mean King and Bird Mountain went up in smoke when it caught fire. For those that don't know, Bird Mt is home to the Quartz Mt Lodge, that should have been opened up by now, well they were starting too sweat that one out, could have been a multi million dollar BBQ for the termites. King Mt is home to out 146.790 input side of the repeater, the flames got close to the power lines running up there that also powers the radio stations, and other county freq's. Mike, W5VXU drove around and took some nice photos of the fire and the Army Chopper with the water bucket getting to where men could not get to.

Jackie, KD5EDP had the Altus Command Post up there, and us hams were ready to swing into action if needed under the ARES banner. Well that call for help never came, what a relief really to see we did not have to spring into action, Ready we were again.

Some of the best times I have had these past several months is the 3rd Saturday at 9am. Breakfast at Friendship Inn here in Altus with the folks from the Ham club,

and even Non Hams that show up. We have had lots of good times eating and laughing, also some of the business end of the spectrum too. If you had not been by, well stop on by and enjoy the A.M. time with us, it's fun and great just to enjoy the company of each other.

It is nice to see that 2 Upgrades and 3 New Techs are now in the making after the test session Tuesday night. The dedication of the VE Team to be there for that is why we get results. Folks willing to give up some free time to make this Hobby what it is, exciting, and rewarding. Thank You to the VE Team here in the Altus Area.

Well with OCT almost here, and cooler ? WX ? coming, are we SET to put the effort in the Simulated Emergency Test (S.E.T.)? This is an effort with not only just Hams, but City, County, State, and whom ever gets involved with the simulated emergency that is at hand, and the way we handle it, a great time for the Hams to shine, but we know in the past we come through.

Well Ham Holiday was nice to meet folks there I never knew but through the C&E, good to meet ya all, and yes even to say it was fun. I may not break the bank or bust out the shocks on the car with all them goodies I see there, the folks who make it happen, I think that is all of us in one way or another.

Till the next time, keep cool, drink water and watch yourself it is still hot out there, (I hope that is an Elmer tip?)

73's

Ron, KD5CYW

AAARA Business Meeting 10 August 2000 held at EOC

Called to Order at 5:30pm by Dale, N5VX.

Old Business:
Treasurer Report-

New Business:
Breakfast Meeting 19 Aug - Friendship Inn, 9am

Reviewed consent agenda for general meeting.

Hamfest items

Meeting Adjourned at 5:45pm

Altus Area Amateur Radio Association (AAARA) August Minutes
Mail: AAARA, PO Box 8863, Altus, OK 73522-8863.

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

The Altus Area Amateur Radio Association was called to order by the President, Dale, N5VX at 7:05 PM Thursday July 13, 2000.

Introductions -

Intro.'s- Done, 21 attending.

Last Months Minutes-

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

Old Business -

ARES Meeting: 24 Aug, 7pm at EOC, in Altus, OK

Breakfast Meeting 19 Aug - Friendship Inn, 9am.

Club Logo Scan - will be done, we will notify when it is done via AAARA Net and Email.

Business Cards - AAARA cards is off to the printers.

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

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

Need 2 folks for remaining month for refreshments, Janice, KD5BNO September, OCT & NOV are open still. Thanks to Ann, KA5YWY for August meeting.

Vests - Mike, W5VXU and Ann, KA5YWY had vests from size S to XXL, these vests can have AAARA, NAME, CALL SIGN on them, Embroidered

(where you want them is up to you), and it is \$20 per vest.

New Business -

Christmas Parade - This will be done under the ARES banner, and also to include the AAARA club members as well. A Big Project for us here in the Altus Area for all Hams, all invited to participate, details will be handle at the ARES meetings. POC is Dale, N5VX or Dave, KC5SII.

MARS - VHF Repeater is Up and Running at Altus AFB.

New Code Test Procedures were discussed.

Polo Shirts / T Shirts- this will have club logo on it, we will get prices and then vote on what we want to get. More info at next months meeting.

New Type of Light - there is a new type of light out that uses white diodes, good for 100,000 hours of life. For info the website is www.longlight.com

Red Cross Awareness Day - 19 August, 10am at Altus Community Center on Falcon Road. They want us there with the van as it is now, next to the Semi Rig they will have that is the mobile comm center.

MRT - Mobile Radio Tech magazine had a write up on the MFJ 259B Antenna Analyzer, they said it was used by Ham radio folks, and now the Pros are now using it too. A good plug in for Hams, by the Pros.

New Business... opened from the floor

Picnic - Club Picnic will be 7 Oct, 11am at (North Shore Pavilion - Pending). More to follow.

Funds Approved for rental of site if Avail.

PSK-31 was discussed, becoming as hot as APRS.

VE Test 22 Aug 6:30PM at K.O.C. Hall on Racetrack Rd, Altus OK.

Ongoing Projects - discussed.

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

AAARA Comm Van - Carpet has been purchased, work on the tabletops has been started. Help is still needed, get with Dale if you would like to help out.

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

UHF Repeater - Rob, KD5KKQ has it and is looking it over, and tweaking up the tweaks.

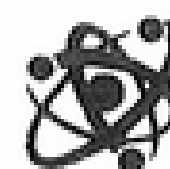
The AAARA Tuesday Night Roundtable Net will be at 7pm, 146.790 (-), Ron, KD5CYW, will be the Net Control. Anything for announcements can be emailed to Ron at kd5cyw@arrl.net, or call him at (580) 482-8446.

APRS - Plainveiw, TX and Smyer, TX now have APRS digipeaters. Lawton has a Digi up and it is working.

The meeting was adjourned 8:20 PM with everyone looking forward to the next meeting 14 Sept 2000, 7pm at SWTC.

Typed by Ron, KD5CYW
SEC/ED AAARA
Email: kd5cyw@arrl.net

(405) 524-3770
PCS 410-4005

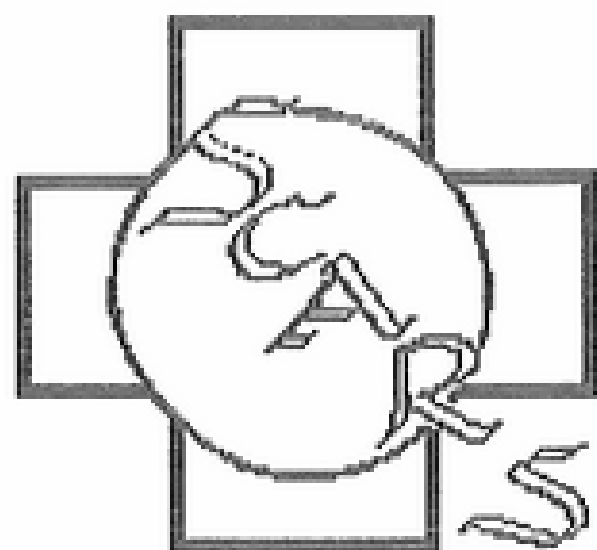


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South Canadian Amateur Radio Society

Norman, OK

I'm going to start this report with the results of the VE testing at Ham Holiday.

If you ever had unexpected guests pop in when you weren't quite ready then you might relate to the VE teams situation. Jim, NW0K had 18 people pre-register but 44 showed up! He had 10 VE's but it was the first session for 4 of them. No major problems were reported.

Results were 35 licenses earned, 13 new Techs, 18 new Generals and 4 new Extras. With things slowing down a little at the FCC they may get their new privileges before this comes out. Congratulations to all, and good work VE team.

Our August meeting did come about on 12 August with over 30 members in attendance. Pres. Tom Miller KD5ENL presided and all officers were actually present. It was reported that the process was in motion for a new club call. We hope to be issued W5NOR. Field day results were announced and we attained a point value of 3206. It was also discussed that we look into obtaining some good coax to make up several runs for next year. N5BEW Ken and W5PNO Joe volunteered some extra they had so we won't be out much for this. Thanks guys. Treasurer KT5OK Jeff stated we had about \$1300 dollars in the treasury and several new members paid up. N5BEW Ken gave the repeater report. We may have some in-town link receiver problems but nothing that occurs regularly so it's tough to figure out. We also want to move the antenna for the UHF repeater to another leg of the tower. This is not a big deal but not in the kind of temperatures we've been having. We elected to give the Red Cross \$50 from the sale of club treasures at Ham Holiday and if we have some old, extra computer gear WA5LTM

Tim suggested we donate it to AMBUCS. Good idea! We discussed creating a list of members who had expertise or at least interest in different areas of Ham Radio. They could serve as "Elmers" or advise anyone seeking information about the Repeater, Equipment availability and selection, Packet, PSK31 and etc.

We will be losing a valued member and past President Dennis McCarthy KC5EVH. Dennis has received a promotion to be the Director of Weather Services for the Central Region within the U.S. Weather Service. He certainly deserves the position and although we hate to lose him, wish him the very best.

The meeting was adjourned the VE Team sprang into action again. This time one person tested and earned his entry Technician license. 5 Tech Plus's upgraded to General and one Tech Plus passed both Element 3 and 4 to earn the Extra Class.

Welcome to new members:
KD5JPR Daniel Burchett
KD5KZY Robert Jackson

One change:
WB0RIS Gary Keen is now K5EB

Bill Baker, N5UMH
Secretary

More Amateur Radio Newslines

Enforcement: Ex California Ham indicted for unlicensed operation

The seemingly endless saga of former ham Richard Alan Burton continues.

This with an announcement by the Federal Communications Commission that the former WB6JAC will stand trial on October 3rd for operating without a license.

Last May, a Federal Grand Jury for the United States District Court for the Central District of California handed down an indictment in which Burton was charged with 6 felony

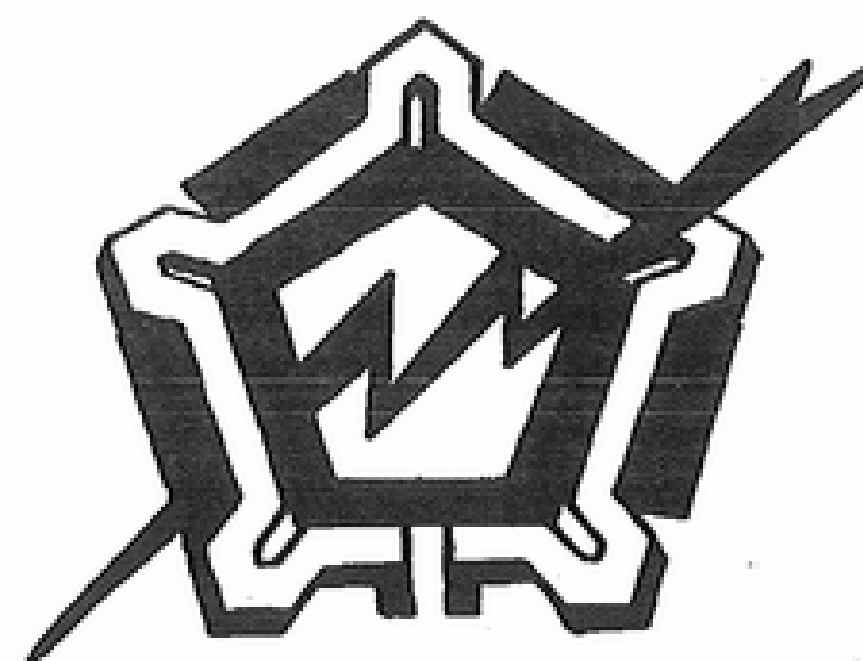
counts of violating the Communications Act of 1934 by operating a radio transmitting device without a license. According to the FCC, Burton is specifically charged with operating unlicensed on Southern California repeaters after his authorization to do so had been long ago revoked.

Burton was arrested and taken into custody August 5th. Bail was set at \$20,000. And this is not the first time the former ham has been arrested for the same crime. He has already served prison sentences for similar episode of unlicensed operation. (FCC)

Enforcement: FCC clears ham of allegations

The FCC has told a Virginia ham he has nothing to worry about in regard to an earlier letter from the agency. Now, according to chief rules enforcer Riley Hollingsworth, that matter is closed:

"We close the case of James Dugger Jr., N4MXZ, of Richmond, Virginia. We had written him concerning operation either by him or someone using his callsign on May 27th. And we were satisfied with the answers he gave us and we closed the matter." Riley Hollingsworth, K4ZDH (FCC)



405-737-3781

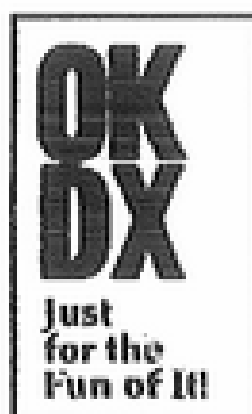
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Oklahoma DX Association

September, 2000

From Da' Prez

By LARRY SHIMA, WØPAN

Ham Holiday is now past us and was a lot of fun. The Oklahoma DX Association had a good meeting and the changes to the constitution were approved. The Officers will now be elected for two-year terms. The annual election was held and the following Officers take office on October 1st: President Larry Shima, WØPAN. Vice President of Activities, Clif Sikes, N5UW. Vice President of Administration, Dick Stricker, NJ5S. Secretary/Treasurer, Jerry Chouinard, K5YAA. Thanks to all of you for volunteering to serve in these positions. — Without willing volunteers there wouldn't be an Oklahoma DX Association. — Our next election in 2001 will cover the President and Vice President of Activities positions and put them on the new schedule of two-year terms.

SEPTEMBER 24th SUNDAY PICNIC!!

From 1PM to 5PM we will have our annual "banquet" which will be a picnic this year. The picnic will start at 1PM with food served around 3PM. Since we have a covered pavilion, we will not be rained out. LAKE HEFNER, STARS AND STRIPES PARK, OKLAHOMA CITY is the location. LAKE HEFNER IS ABOUT 10 BLOCKS NORTH OF NORTHWEST EXPRESSWAY ON PORTLAND AVENUE.

If you are coming in from I-40, go north on I-44 as this becomes Hefner Parkway. DO NOT take I-44 toward Tulsa at about

39th, stay one lane over instead. When you see Baptist Hospital (Highway 3 West on Northwest Expressway) exit and turn left. Go about 3 blocks to the Circuit City intersection, then go North (hang a right) at Portland. You will see the lake straight ahead and should see the pavilion.

If you are coming in from Tulsa on I-44, take the Northwest Expressway Exit and go West about 3 miles to the Circuit City (on your right) intersection and turn right at Portland. You should see the lake and pavilion straight ahead.

For the truly daring who enjoy a challenge and are heavily invested in energy stocks, take the Kilpatrick Turnpike until it ends at MacArthur Blvd, then hang a left and go about 3 miles (3rd traffic light) to Britton Road. Take a left to Lake Hefner, and then a right at the stop sign. Make another left and follow the road thru the park. At the Fire Station (on your left) take the left past the Fire Station, then continue to the next stop sign and turn left again — you are almost there! In case anyone gets lost, we will be monitoring the 146.820 repeater.

Be sure to send your \$9.00 to Jerry Chouinard, K5YAA with your preference for chicken, hamburger, hot dogs or all three **NO LATER THAN SEPTEMBER 11th**. We trust this C&E will reach you well before the deadline. Right, Hal?

We look forward to seeing you there, and hope you got Tromelin and Kingman Reef last month! 73' and good DX'ing!

— WØPAN

Secretary / Treasurer Report

By JERRY CHOINARD, K5YAA

Orders for the OKDXA shirts, hats and patches have been collected and are now in the hands of the president. A good

number of orders were received, so we should be seeing even more recognizable cloth at future meetings and HamFests.

The OKDXA gained two new members at Ham Holiday 2000. When you hear them on the air, be sure to key up and say hello!

N5VD - JIMMY JOHNSON

P.O. Box 641, Sapulpa OK 74067
jimmyj1@earthlink.net

N5WNL - GLYNN MASSEY

6513 South Harvey
Oklahoma City OK 73139

Speaking of meetings, I could only spend a couple of hours at Ham Holiday this year but that was long enough to get reinstated as Secretary/Treasurer and to visit with a number of the members. Got to put a few more faces with the voices I have been hearing on the OKDXA weekly net.

As Larry mentioned, we are now taking orders for the Sunday, SEPTEMBER 24th PICNIC at lake Hefner in OKC, so let me hear from you! — K5YAA

From Da' Editor

By NELSON DERKS, AC5UP

Talk about a slow month, this newsletter will be a bit lighter than usual as the editor of the OPDX Bulletin, Tedd Mirgliotta, KB8NW took a well-earned vacation last month. Sure, the DX continued as usual, but you'll hear it on the radio this month!

In other news, if you haven't visited the Fractal Antenna Systems web page at <http://www.fractenna.com> recently, stop by and take a look at the new Fractal Flyer K2. Chip Cohen, N1IR has been testing the 20 Meter version and claims DXCC in less than 30 hours of casual operating. Contacts included FR/T in Tromelin, 4W6,



A7, A4, OD5 and others, including early morning long path into Oceania. (!)

Some of you might be tempted to say "So What?" If that sounds like Business As Usual for your stacked mono-banders, please be aware the Fractal Flyer K2 was built from less than 60' of wire and towers almost eight feet above ground on a CPVC plastic pipe. That's not a typo, the entire antenna assembly is less than eight feet tall and mounted on the ground. I was very impressed by the low radiation angle, the respectable gain and 9.5 dB F/B ratio with a cardioid pattern. When you consider the small size and easy match to a 50Ω feed, I think it has tremendous potential for radiating a decent signal from a cramped QTH. Some of us may have just lost our best excuse for a modest signal. I plan to torture some wire this month and give it a try, if Ol' Sol can turn off the Backyard OM Broiler for a weekend or two.

Last month I mentioned one of my yet-to-be-achieved-goals is working Europe on 6 Meters. Nothing would make me happier than to say I did, but that honor goes to Bud, **KB5WCZ**. He's located just a few miles north of me and worked **G3SVD** in early August during what was probably the last great band opening of the summer. He's still not convinced he "really, really did" as he was working domestic stations to the east and west before and after, but Six is notorious for brief openings into some very nifty places and Bud was in the right place at the right time. He may not do that again for a while, but a web search for **G3SVD** found he's definitely a 50 MHz kinda' guy. Way Ta' Go, **KB5WCZ**!

In case you're wondering why we have cartoons in the Newsletter this month, Al Capp was one of the very best and I think it's a hoot to see them again! — AC5UP

OPDX Bulletin - Internet Edition

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

7Q, MALAWI

The "DX News Letter" reports that Harry, **7Q7HB** will be active during the next four months and been heard on 21343 kHz around 1532z. He plans to do the first time ever QSO's on SSTV from Malawi. QSL direct only to the CBA of GØIAS.

DXCC NEWS

On July 16th, there were 801 applications and 80,217 cards outstanding and the DXCC Desk was processing mail received from the third week of May. The DXCC Desk has processed 1213 Millennium DXCC Awards through mid-July.

During the second meeting of the year by the ARRL Board of Directors on July 21st and 22nd, the following topics discussed as per the minutes by David, K1ZZ and an ARRL Bulletin:

- * The 12 and 17 meter DXCC's will be added in January 2001, thus rounding out the program.
- * An update of the "Electronic QSL'ing Project" (EQSL) will proceed with written specifications for an automated system incorporating extensive electronic security measures.
- * DXCC Card Checking Program will be re-evaluated at the next Board meeting.
- * The Membership Services Manager was tasked with studying the possibilities for managing a QRP DXCC.
- * The MSC will be developing a set of goals and criteria to send to the Contest Advisory Committee for a study of the Club Contesting program.
- * A new DXAC Chairman will be appointed soon to replace Wayne Mills, N7NG who joined ARRL staff as the Membership Services Manager.
- * The ARRL Board OK'd the expenditure of

up to \$1,025,000 to develop a new information technology platform for ARRL Headquarters. The new computer software and hardware will enhance the ARRL's e-commerce capabilities and also update the membership information and accounting systems. These updates will eventually enable such services as electronic QSL'ing, member Web access to DXCC records, nearly real-time updates of DXCC listings, and expanded, detailed contest results.

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

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

FM, MARTINIQUE (Change of plans)

The travel plans for Gerard, F2JD were delayed one month. He will leave in early September for Martinique for 4 months.

HR, HONDURAS

A group from Spain plans to be active from here September 17-25th transmitting on all HF bands using SSB, CW and RTTY. This is a DX'pedition of the URE (Union de Radioaficionados de Espanoles) "RADIO SOLIDARIDAD" group. They will operate from Tegucigalpa 24 hours a day while some of the operators will be installing new digipeaters for packet-radio. No call signs were mentioned in the press release. QSL's will be confirmed via EA4URE, URE's Headquarters, P.O. Box 220, Madrid 28080, Spain.

HU4, EL SALVADOR

A group of Spanish operators will be active September 17-25th as **HU4U**. The team will operate as time permits and are



there to install a communications network. Listen for them on all bands CW, SSB, and RTTY. QSL via EA4URE.

PIRATE ALERT

Marcos, LU7BQ claims the station signing **XQØX/LU7BQ** on 20 CW is a pirate. He has worked only SSB for about 40 years and never from XQØ. He is receiving a lot of QSL's and is sorry for the guys wasting their green stamps and IRC's.

A WORLD TRAVELER & DX'ER

Peter, ON6TT currently **9A/ON6TT** says that after being based in Kosovo since February, he is moving to Pakistan and plans to start setting up shop in Islamabad by November. Peter expects to stay there for probably the next 4 years and will try to build up a station again, as he did from **5X1T** (Uganda). He is sure the location will be more challenging than in Africa to work pileups. He states Mario, **5X1C** has recently joined his team and will be based in Islamabad also. Peter adds that his upcoming business trip is not only taking him to Pakistan, but to Laos, Sri Lanka, Indonesia, East Timor, Thailand, Bhutan, Cambodia and India. He is still looking for E-mail contacts from active DX'ers in Sri Lanka, Cambodia, and Laos (for the latter 2, any licensing information would be welcome). If you can help, Peter's E-mail address is: Home.Peter.Casier@wfp.or.ug. He will only stay a week "max" in each of those places, and will be active only after work with no large scale operation.

IF YOU PLAN TO BE IN G-LAND:

"Amateur of the Year" Martti Lane, **OH2BH**, his son Petri, **OH2NB** and 6M guru Kari Leino, **OH2BC** have confirmed their plan to attend the RSGB International HF and IOTA Convention 2000 to be held at the Beaumont Centre, Old Windsor, England over the weekend of October

13th-15th 2000. Martti will be jointly presenting a **TXØDX** Chesterfield Islands talk together with DXCC Manager Wayne Green, **N7NG** while Kari **OH2BC** will join Geoff **G4ICD** (ex **GJ4ICD**) in a 6 Meter presentation which includes their **3A2K** operation. Petri will be recovering from personally processing 12,000 direct cards and checking every QSO following the **TXØDX** DX'pedition. Petri will soon start University in the UK and this should prove to be a little less demanding - at least for the first year.

Colin J. Thomas
RSGB HF Manager,
Chairman RSGB HF Committee,
HFC2000 HF Convention Chairman

Excerpts and distribution of The OPDX Bulletin are granted as long as **KB8NW / OPDX / BARF80** receive credit.

FROM THE 59(9) DX REPORT:

<http://members.aol.com/the599rpt/dx.htm>

4W, EAST TIMOR

A DXpedition is planned for October 6-17 with Dennis, **K7BV** and Made, **YB9BV**. They will be active on 160-10 Meters CW and SSB with special emphasis on the low bands. Suggested transmit frequencies are: CW: 1827, 3512, 3527, 7007, 7027, 10117, 14007, 14027, 18077, 21007, 24897, 28007 kHz; SSB: 1845, 3727, 7077, 14197, 18137, 21297, 24947, 28557 kHz. No call signs were mentioned, but they will likely sign **4W/homecall**. QSL's to Steve Wheatley, **KU9C**, P.O. Box 5953, Parsippany, NJ 07054. More details at: <http://www.qth.com/k7bv/TIMOR/>

3B6, AGALEGA ISLAND

An update has been provided by the Swiss group headed for this Indian Ocean island in October. They have added **K5VT** and are looking for another US & JA operator.

Logs will be sent daily by Inmarsat to Pilot **HB9BGN** who will transfer them to the Internet. There will be a two day delay in seeing your contact on the log search. In addition to the on-the-air activity the group plans on undertaking several scientific experiments with receiving antennas for future DX'peditions.

KH5K, KINGMAN REEF

The Kingman/Palmyra DX Group plans a DX operation in October with at least 4 stations covering 160 through 6 Meters. Contributions of any size to defray costs will be greatly appreciated. They can be sent to: Tom Harrell, **N4XP**, 2011 New High Shoals Road, Watkinsville, GA 30677. The group will man Palmyra Atoll throughout the summer with increasing DX activity as their assistance to the Nature Conservancy diminishes. Kingman Reef ranks #21 on the ARRL Wanted List. QSL all **KPDXG** operations via **K4TSJ**.

VK9XV - Bert, **PA3GIO** says his schedule is now confirmed. Activity from Christmas Island will take place September 2-13 as **VK9XV**, SSB only on 80-10 Meters using a TS-50 and Doublet antenna. Visit the site at: <http://www.qsl.net/pa3gio/vk9xv>, QSL via **PA3GIO** or (preferably) the bureau.

TXØ, CHESTERFIELD ISL. DXCC

The ARRL announces the addition of the Chesterfield Islands to the DXCC List effective with QSO's made on or after March 23, 2000. Cards will be accepted after October 1, 2000.

VKØ, MACQUARIE ISLAND

Alan, **VK8AC** is presently on contract with the Australian Antarctic Division as a member of the year 2000 Australian National Research Expedition. He will be QRV from Macquarie Island (AN-005) in December or January as **VKØMM** with



possible activity from other Australian Antarctic Territories through January 2001. This is not a full time DXpedition.

UK LICENSE CHANGES

The Radio Society of Great Britain (RSGB) and the Radio Communications Agency of the UK announced expanded privileges for Novices. The new license class will offer HF privileges at low power with a 5 WPM Morse Code test. Novice licensees will be permitted up to 10 watts output with access to 2 Meters plus those who pass a 5 WPM code test will gain more privileges in certain HF segments. Novice Class A (5 WPM code) can operate CW, phone, RTTY and Data on 1950-2000 kHz; CW & Data on 3550-3600 kHz; CW, Phone, and RTTY on 3600-3650 kHz; CW on 10110-10140 kHz; CW & phone on 28225-28500 kHz and CW, RTTY and Data on 21050-21149 kHz and 28050-28190 kHz. This fall, a new class of license called "Full A/B" will be introduced with the same written exam as the present Class A or B but with a 5 WPM code test. The new license will convey full privileges below 30 MHz with 100 watts maximum output. A series of M5 call signs will be issued for this class of license. Further details may be found at: <http://www.rsgb.org/news/extra3.htm>.

9Q, DEM. REP. OF CONGO

Patrick, F6BLQ reports the Amateur Radio National Society (ARAC) has been officially recognized by the Minister of PTT as the official body of the Amateur Radio Service in 9Q-land. The ARAC is now taking all necessary steps with IARU Region I. A new prefix chart of 9Q1-9Q9 has been worked out but has yet to be approved by the licensing authorities. The Society has applied for 9Q0AR while 18 individual 9Q1 license applications have been submitted to the Secretary-General of

the PTT. The licensing authorities will update records of existing valid licensees. The ARAC address is: P.O. Box 1459, Kinshasa 1, D.R. Congo.

ARRL CONTEST CALENDAR

*Reprinted with permission from
QST Contest Calendar — K5TR, Editor*

CONTEST CORRECTIONS:

- A change in scoring from the Club Competition size in the 1999 November Sweepstakes moves the River City Contesters from the Medium Club to the Local Club category and makes them the winners with a total score of 1,864,126.
- The operator of the W5YM School Club / College Division winner in the 1999 November Sweepstakes should be listed as N5DX.
- In the 1999 ARRL 160-Meter Contest, K5MC misreported their entry as a Single Op station when it was a Multi-Op entry, with K5JMR and W5WC participating from the station in the LA section.
- In the 2000 ARRL January VHF Sweepstakes, W8WNX should be listed as Single Op Low Power in the Michigan section.

WEEKEND OF SEPTEMBER 9 – 11

ARRL September VHF QSO Party

See August 2000 *QST*, p. 114 for complete rules. A summary follows:

OBJECT: Work as many amateur stations in as many different grid squares as possible using authorized frequencies above 50 MHz. Foreign stations work W/VE amateurs only.

DATE AND CONTEST PERIOD: The second full weekend of September. Begins 1800 UTC Saturday and ends 0300 UTC Monday (September 9-11, 2000).

EXCHANGE: Call signs and grid-square locator, signal report is optional.

All submissions must be e-mailed to

SeptemberVHF@arrl.org or postmarked no later than October 11, 2000. Paper logs should be mailed to ARRL Contest Branch, attn. Sept VHF QSO Party, 225 Main St, Newington, CT 06111. For a copy of the official entry form, send an e-mail request to info@arrl.org with the text as follows:

HELP

SEND SEPVHF.FRM

QUIT

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



entries to 100712.2226@compuserve.com. **Deadlines:** Phone--Oct 15; RTTY--Dec 15. Logs to WAEDC Contest Committee, PO Box 1126, 74370 Sersheim, Germany.

North American Sprint, CW

Sponsored by NCJ, 0000-0400Z Sept. 10 (local time, Sept. 9); phone is 0000-0400Z Sept. 17 (local time, Sept. 16). Sprints are separate. 80, 40, 20 only. North American stations work everyone; others work NA stations only. Exchange other station's call, your call, serial number, name, and state/province/DXCC country. 3.540 3.850 7.040 7.225 14.040 14.275. Work stations once per band. QSY rule: Stations calling CQ, QRZ, etc, may only work one station in response to that call; they must then move at least 1 kHz before working another station or 5 kHz before soliciting another call. Once you are required to QSY, you may not make a new QSO on the previous frequency until you have made a contact at least 1 or 5 kHz (as required) away. Team competition and Awards. Electronic entries accepted. Send CW logs to Mark Obermann, AG9A, 6713 Forestview Ln, Niles, IL 60714; cwsprint@ncjweb.com. Send phone logs to Rick Niswander, Box 2701, Greenville, NC 27836; ssbsprint@ncjweb.com. Logs must be sent no later than 30 days after the end of the contest. More information is on the Web at <http://www.ncjweb.com/>.

End of Summer PSK-31 Sprint

Sponsored by QRP ARCI. PSK-31 only, 2000-2359Z Sept. 10th on 20 Meters only. Work stations once. Categories Single Op, Multi Op, and DX. Exchange RST, state / province / country (SPC), ARCI number (or power for nonmembers). Count 5 pts for members, 4 pts for nonmembers on different continents and 2 pts for nonmembers on same continent. Multipliers are SPC. Power multiplier is $>5W = \times 1$; 1-

5 W = $\times 7$; 250 mW-1 W = $\times 10$; <250 mW = $\times 15$. Final score is QSO points \times total SPCs \times power multiplier. Suggested frequency is 14070.15. Send log within 30 days to Randy Foltz, 809 Leith St, Moscow, ID 83843; rfoltz@turbonet.com; <http://personal.palouse.net/rfoltz/arci/psk31.htm>.

SOC Marathon Sprint

Sponsored by the Second Class Operator's Club (SOC), 1800Z to 2400, Sept. 9. CW only, 160-6 Meters. Categories: Single Op, All Band. Work stations once per band. Exchange: RST, state / province / country (SPC) and SOC member number (nonmembers send output power). Score 5 pts for each SOC member QSO, 4 pts for each non-member QSO on a different continent, and 2 pts for each nonmember QSO on the same continent. Power mults: ≤ 250 mW = $\times 15$; 250 mW-1 W = $\times 10$; $>1-5$ W = $\times 7$; >5 W = $\times 1$. Scoring: Total QSO pts \times total SPCs worked per band \times power multiplier. Awards: Certificates for top ten scorers and for each SPC leader. Send log, dupe-sheet (if >100 QSOs) and summary sheet to: Dale Martin, KG5U, 12610 Barbizon Dr, Houston, TX 77089-6506. Web page: <http://sochams.homepage.com/20000909.htm>. E-Mail to kg5u@hal-pc.org

WEEKEND OF SEPTEMBER 16-17

ARRL 10 GHz and Up Cumulative Contest. See July 2000 *QST*, p. 93 for complete details, summary follows:

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

DATE AND CONTEST PERIOD: Third full weekend of August and September. For 2000, the dates are August 19-20 and September 16-17. Operations may take place for 24 hours total on each contest weekend. Each weekend begins at 6:00

AM local Saturday and runs through 12:00 midnight local Sunday. Listening times counts as operating time. Times off must be clearly indicated in the log.

EXCHANGE: Six-character Maidenhead Locator (see April 1994 *QST*, p 86). Signal report is optional.

Scheduling contacts is both permissible and encouraged. Stations are encouraged to operate from more than a single location. For purposes of the contest, a change of location is defined as a move of at least 16 km (10 miles). A station may be reworked on each band for additional credit by either end of the contact moving to a new location. Contacts may not be duplicated on the second weekend (that is, at least one end of the QSO must be from a different location). Contacts must be made over a minimum distance of 1 km. A transmitter used to contact one or more stations may not be used subsequently under any other call during the contest period. The intent of this rule is to prohibit "manufactured" contacts. Contacts with aeronautical mobiles do not count.

Schedules may be set up by use of the HF calling frequency of 3818 kHz on the evenings of Tuesday, Wednesday and Thursday before the contest weekends starting at 7 PM local. Also, 144.230 and 146.55 MHz can be monitored during the contest to arrange schedules with other stations. Paired stations should move off these frequencies once contact has been made.

Logs must be submitted no later than 30 days after the end of the contest (October 17, 2000.) Paper logs may be mailed to ARRL Contest Branch, 225 Main St, Newington, CT 06111. Electronic logs should be emailed to: 10GHZ@arrl.org.

North American Sprint, Phone. See Sept 9-11 (NA Sprint, CW) on this page.



QCWA QSO Party

Sponsored by Quarter Century Wireless Assn, from 1800Z Sept 16 until 1800Z Sept 17. CW, phone or mixed-mode. Work stations on each of 15 possible bands: 160, 80, 40, 20, 15, 10 Meters CW and Phone; 6 Meters; 2 Meters; 1.35 Meters; 70 cm and up. Work stations in your own QCWA chapter only once. No cross band or repeater QSO's. QCWA members exchange call signs, the last two digits of the year first licensed, chapter number ("AL" if not a member of a chapter). Nonmembers exchange call signs, the last two digits of the year first licensed, and the state, province or country. Scoring: 1 pt per phone QSO, 2 pts per CW QSO. Count 1 multiplier for each QCWA chapter, plus each nonmember state / province / country. Contacts with HQ station W2MM count as 3 multipliers per band. Awards. All logs must be received no later than 1 month after contest. Send logs to: Dick Newsome W0HXL, 2924 North 48th St, Omaha, NE 68104-3726; <http://www.teleport.com/~qcwa/qsoparty.htm>.

Air Force Anniversary QSO Party

Celebrating the formation of the USAF (Sept 17, 1947), from 0001Z Sept 16 to 2359Z Sept 17. Participants use contest identifier as follows: USAF members, veterans, retirees, Civil Air Patrol members: ID with AF plus the number of years ago that you joined the USAF; Non-Air Force members: ID with "AF1." Work stations once per band and mode. 3.550 7.050 7.250 14.050 14.250 21.050 21.350 28.050 28.550. Scoring: Score each contact based on ID number (eg, AF50, 50 pts; AF20, 20 pts) multiply the number of points by the number of different IDs worked, add 100 pts for each station worked that is operating from any current or previous Air Force installation or any

museum. Logs must include times of operation, each station worked, point suffix and must have point suffixes totaled by page. A plaque will be awarded to the overall winner; certificates to top three scorers in each US state and each country. Logs must be received by Oct 15 by Razorback RC, K5HOG, 1033 Marlboro Rd, Lothian, MD 20711; k5hog@aol.com; <http://ourworld.compuserve.com/homepages/k5xs/>.

Washington State Salmon Run

Sponsored by Western Washington DX Club. 1600Z Sep 16 to 0700Z Sep 17 and 1600-2400Z Sep 17. 160 80 40 20 15 10 6 Meters. Classes: CW, SSB or mixed mode; QRP, low power (less than 200 W) and high power; single or multi-op single transmitter; Washington club station; mobile; Washington county DX'pedition; SWL. Exchange RS(T) and county for WA stations; RS(T) and state, province, or DXCC country for stations outside WA. 2 pts/SSB QSO, 4/CW QSO. Work stations on each band and mode. Portables and mobiles may be worked for QSO's and multiplier credits in different counties. Multipliers for WA stations are states, provinces, DX countries and WA counties; for others Washington counties. Count multipliers just once regardless of band or mode. Special bonus: QSO with W7DX will add a 500-point bonus for each mode-total 1000 points. Scoring: QSO points from all bands \times total multipliers plus bonus points. Awards. Send logs by Oct 31, Western Washington DX Club, PO Box 395, Mercer Island, WA 98040; salmonrun@wwdxc.org; <http://www.wwdxc.org/salmonrun>.

Scandinavian Activity Contest, CW

Sponsored by SSA, 1200Z Sep 16 to 1200Z Sep 17 (phone, 1200Z Sep 23 to 1200Z Sep 24). Single op all bands; single

op low power (100 W or less) single op QRP; multi-single; SWL. 80, 40, 20, 15, 10 Meters. Send RS(T) and serial number. No cross-mode contacts. European stations score 1 pt/QSO with Scandinavian stations on all bands. Non-European stations score 1 pt/QSO with Scandinavian stations on 20, 15, 10 and 3 pts/QSO on 80, 40. Multipliers are Scandinavian call areas (eg, SM3, OJ0, OX3, TF2) per band. Finals score is QSO pts \times multipliers. Awards. Send logs by Oct 31 to SSA Contest Manager Jan-Eric Rehn, SM3CER Lisataet 18, SE-863 32 Sundsbruk, Sweden; <http://www.sk3bg.se/contest/text/sacnsc.txt> E-Mail to sac@contesting.com

Tennessee QSO Party

Sponsored by the Tennessee Contest Group, 1800Z Sep 17 to 0100Z Sep 18. All bands excluding 30, 17 and 12 Meters. Send RS(T) and state / province / DXCC country (TN stations send county). TN stations work anyone; others work only TN stations. No repeater or packet robot contacts. Score 1 pt/phone QSO, 2 pts/CW or digital QSO. Multipliers are TN counties (95 max); TN stations, total of states/provinces/DXCC countries. You may claim an additional multiplier for each 5 QSO's you make with the same TN county. 100/pts for working K4TCG on each band/mode. TN mobile stations get 500 pts for each TN county from which 15 or more QSO's are made. CW, 3.540 7.040 14.040 21.040 28.040; phone, 3.900 7.240 14.280 21.390 28.390; Novice / Technician, 3.700 7.130 21.140 228.140 28.390 50.195 144.195 146.550 223.50 446.000. Awards. Send logs postmarked by Nov 12 to Tennessee QSO Party, c/o Douglas Smith, W9WI, 1385 Old Clarksville Pike, Pleasant View, TN 37146-8098; w9wi@bellsouth.net; <http://www.k4ro.net/tcg.htm/>.



WEEKEND OF SEPTEMBER 23-25

Scandinavian Activity Contest, SSB. See Sept. 16-17 on the previous page. (CW)

CQ/RJ WW RTTY Contest

Sponsored by *CQ* magazine and *The RTTY Journal*, 0000Z Sep 23 to 2400Z Sep 24. 80, 40, 20 15, 10 Meters. Single-op all-band high or low power; single-op single-band; single-op assisted; multi-single high or low power; multi-multi. W/VE stations send RST, state/province, and CQ Zone number; others send RST and CQ Zone number. Work stations once per band. Score 1 pt/QSO with own country, 2 pts/QSO same continent, 3 pts/QSO different continent. Multipliers are states (48), provinces (13), DXCC/WAE countries and CQ Zones per band. Final score is QSO points \times multipliers. Awards. All entries must be postmarked no later than December 1. CQ RTTY DX Contest, 25 Newbridge Rd, Hicksville, NY 11801; cqwwrtty@kkn.net.

Alabama Heart of Dixie QSO Party

1800Z Sept 24 to 0100Z Sept 25. All bands except 30, 17 and 12 Meters. Alabama stations work anyone, others work only Alabama stations. Exchange state/province/DXCC entity (AL stations send county) and RS(T). No repeater contacts. Classes: Single-Op, Multi-Op, QRP, and mobile. CW: 1.815 3.540 7.040 14.040 21.040 28.040; SSB: 1.855 3.965 7.240 14.280 21.390 28.390; FM: 146.550. Score 1 pt/phone QSO, 2 pts/CW or digital QSO. Multipliers are Alabama counties (67 max); AL stations, total of states / provinces / DXCC entities. Mobile stations in Alabama may claim a 100-point bonus for each county from which they complete one QSO. Awards. Logs must be postmarked before Oct 25. Send logs to Heart of Dixie QSO Party, Christopher Arthur, 606 Underwood Rd, Russellville,

AL 35654; kt4xa@mindspring.com; <http://www.qsl.net/kt4xa/aqp/>.

2000 Fall Classic (and Homebrew) Radio Exchange - 1900Z Sept 24 to 0400Z Sept 25. Exchange name, RST QTH (state, province or country), and receiver and transmitter type (if homebrew, send final amp tube or transistor type). The same station may be worked with different equipment combinations on each band and on each mode. On CW call "CQ CX;" on phone call "CQ Classic Exchange." Non-participants may be worked for credit. Suggested frequencies: CW--3.545 7.045 14.045 21.135 28.180; Novice/Tech--3.695 7.120 21.135 28.180; phone--3.880 7.290 14.280 21.380 28.320. Multiply total QSO's (all bands) by total number of different receivers plus transmitters (transceivers count as both) plus states / provinces / countries worked on each band and mode. Multiply that total by your CX multiplier--the total age (in years) of all receivers and transmitters used, three QSO's minimum per unit. For transceiver, multiply age by two. If equipment is homebrew, count it as a minimum of 25 years old unless actual construction date or date of its construction article (in the case of a "reproduction") is older. Send logs, comments, anecdotes, pictures to: Allan Stephens, 106 Bobolink Dr, Richmond, KY 40475; modsteph@acs.eku.edu.

W1AW Qualifying Runs are 10 PM EDT Tuesday, September 5, and 7 PM EDT Wednesday, September 20. The K6YR West Coast Qualifying Run will be at 9 PM PDT on Wednesday, September 6. Check the W1AW schedule for details.

SEPTEMBER/OCTOBER SUMMARY

(Courtesy Of Bruce Horn, WA7BNM)

SEPTEMBER 2000

All Asian DX 0000Z, - 2400Z,

Contest, SSB	Sep 2	Sep 3
CCCC PSK31	0000Z	2359Z,
Contest		Sep 2
IARU Region 1 Field	1300Z,	1300Z,
Day, SSB	Sep 2	Sep 3
Panama Anniversary	0001Z	2359Z,
Contest		Sep 3
MI QRP Club Labor	2300Z,	0300Z,
Day CW Sprint	Sep 4	Sep 5
WAE DX Contest,	0000Z,	2359Z,
SSB	Sep 9	Sep 10
IRCC Bison	1800Z,	0200Z,
Stampede (Indiana	Sep 9	Sep 10
QP)		
ARRL September	1800Z,	0300Z,
VHF QSO Party	Sep 9	Sep 11
SOC Marathon	1800Z	2400Z,
Sprint, CW		Sep 9
North American	0000Z	0400Z,
Sprint, CW		Sep 10
QRP ARCI End of		
Summer PSK31	2000Z	2400Z,
Sprint		Sep 10
YLRL Howdy Days	1400Z,	0200Z,
	Sep 15	Sep 17
AGB NEMIGA	2100Z	2300Z,
Contest		Sep 15
Air Force		
Anniversary QSO	0001Z,	2359Z,
Party	Sep 16	Sep 17
ARRL 10 GHz	0800	2000
Cumulative Contest	local	- local, Sep
		16 and
	0800	2000
	local	- local, Sep
		17
Scandinavian Activity	1200Z,	1200Z,
Contest, CW	Sep 16	Sep 17
Washington State	1600Z,	0700Z,
Salmon Run	Sep 16	Sep 17
		and
	1600Z	2400Z,
		Sep 17
QCWA QSO Party	1800Z,	1800Z,
	Sep 16	Sep 17
North American		
Sprint, SSB	0000Z	0400Z,
		Sep 17
CQ/RJ Worldwide	0000Z,	2400Z,
DX Contest, RTTY	Sep 23	Sep 24
Scandinavian Activity	1200Z,	1200Z,
Contest, SSB	Sep 23	Sep 24



Panama Radio Club Contest	1200Z	- 2359Z, Sep 23
2000 6m Activity Contest	1800Z	- 2200Z, Sep 26
Louisiana QSO Party	0000Z	- 2400Z, Sep 30
Texas QSO Party	1400Z, Sep 30	- 0500Z, Oct 1 and
	1400Z	- 2000Z, Oct 1

OCTOBER 2000

RSGB 21/28 MHz Contest, SSB	0700Z	- 1900Z, Oct 1
TARA PSK31 Rumble	0000Z	- 2400Z, Oct 7
Oceania DX Contest, Phone	1000Z, Oct 7	- 1000Z, Oct 8
EU Autumn Sprint, SSB	1500Z	- 1859Z, Oct 7
California QSO Party	1600Z, Oct 7	- 2200Z, Oct 8
Iberoamericano Contest	2000Z, Oct 7	- 2000Z, Oct 8
10-10 Day Sprint	0001Z	- 2400Z, Oct 10
Oceania DX Contest, CW	1000Z, Oct 14	- 1000Z, Oct 15
YLRL Anniversary Party, CW	1400Z, Oct 14	- 0200Z, Oct 16
EU Autumn Sprint, CW	1500Z	- 1859Z, Oct 14
Pennsylvania QSO	1600Z,	- 0500Z,

Party	Oct 14	Oct 15 and
	1300Z	- 2200Z, Oct 15
FISTS Fall Sprint	1700Z	- 2100Z, Oct 14
Asia-Pacific Sprint, CW	0000Z	- 0200Z, Oct 15
North American Sprint, RTTY	0000Z	- 0400Z, Oct 15
RSGB 21/28 MHz Contest, CW	0700Z	- 1900Z, Oct 15
JARTS WW RTTY Contest	0000Z, Oct 21	- 2400Z, Oct 22
Rhode Island QSO Party	0000Z, Oct 21	- 2400Z, Oct 22
QRP ARCI Fall QSO Party	1200Z, Oct 21	- 2400Z, Oct 22
Worked All Germany Contest	1500Z, Oct 21	- 1500Z, Oct 22
2000 6m Activity Contest	1800Z	- 2200Z, Oct 24
CQ Worldwide DX Contest, SSB	0000Z, Oct 28	- 2400Z, Oct 29
10-10 Int. Fall Contest, CW	0001Z, Oct 28	- 2400Z, Oct 29
YLRL Anniversary Party, SSB	1400Z, Oct 28	- 0200Z, Oct 30

I've always wondered if Al Capp was from Oklahoma? I remember Lonesome Polecat and Hairless Joe making Kickapoo Joy Juice, which, if you've ever spent any time in Shawnee... *Signed: Ollie Fahrt*

Dear Ol' Fahrt:

According to the Al Capp biography on <http://www.lil-abner.com>, Alfred Gerald Caplin (1909-1979) was born in New Haven, CT. No mention of travels beyond that. You can find the cartoon strip on the web at <http://www.comics.com> where the story of giant radioactive Turnip Termites threatening the Dogpatch harvest is in full swing. It's quite a piece of work. I've admired Capp's drawing style as well as the wildly imaginative characters and story lines. Who could forget the delightfully odorous Moonbeam McSwine, the double whammies of Evil Eye Fleegle, or the effect Stupefyin' Jones had on half the population of Dogpatch? At its peak in the 1940's, more than 60 Million readers saw the Li'l Abner comic strip. And, for those who asked, the shack seen on the third page is *NOT* the N5UW Ham Shack!

Doctor DX:

Dear Doctor DX:

***Successful DX'ers Start Early
And Stay Late!***

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

New! THE ULTIMATE Heavy Duty COAX from ShaZamaHamaTronics!

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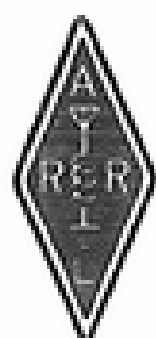
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A. R. R. L. Bulletins

From ARRL Headquarters
Newington, CT

Space Bulletin 007
August 24, 2000

AO-27 FM repeater off the air

Amateurs are being asked to say off the AO-27 satellite uplink as ground controllers try to restart the satellite following a July 31 software crash. The request from ground controller Michael Wyrick, N4USI, comes as ground controllers are attempting to reload the satellite's software.

"The analog repeater is turned off, so you will not be heard, and you will interfere with the software upload process," Wyrick said in asking for the cooperation of the amateur community. He says ground controllers are working as fast as they can to get AO-27 back in operation.

AO-27 contains an FM voice repeater that uplinks on 2 meters and downlinks on 70 cm. A project of AMRAD, it was launched in September 1993.

The satellite's CPU rebooted again after controllers tried to run uploaded high-level code. Ground controllers still are at a loss to explain the second reboot, but Wyrick says they are looking into several leads.

Wyrick says the AO-27 exciter on 435.797 is turned on full-time and operates at low power during uploads.

Wyrick also requested that hams not flood controllers with e-mail asking when AO-27 is going to be back on-line.

Space Bulletin 006
August 3, 2000

ISS ham gear cleared for takeoff

The way has been cleared for the Amateur Radio gear destined for use aboard the International Space Station to be launched into space. The initial amateur gear is scheduled go up to the ISS on mission STS-106 aboard the shuttle Atlantis on

September 8. As part of the multinational Amateur Radio on the International Space Station project, the gear will be stowed aboard the ISS for use by the Expedition 1 crew, set to come aboard in late October.

"We have been working for years to bring the first ISS hardware to fruition," ARISS Administrative Chairman Frank Bauer, KA3HDO, said this week. "It looks like the final issues that have held us back are now over, and we are moving ahead toward the launch of the initial hardware on STS-106."

Bauer said three events over the past couple of weeks were key to moving the ARISS project forward. The first was the launch and docking of the Russian-built Zvezda Service Module that eventually will house the ARISS gear. In addition, Bauer said, a series of RF, power-up and other tests on the amateur equipment were successfully completed in Russia, thanks to Lou McFadin, W5DID, of ARISS and AMSAT and Carolynn Conley, KD5JSO, of NASA. He said NASA also signed off on the required flight safety package, giving the go-ahead to release the amateur hardware for flight aboard the upcoming shuttle mission.

The Expedition 1 crew will consist of three amateurs: US astronaut Bill Shepherd, KD5GSL, and Russian Cosmonauts Sergei Krikalev, U5MIR, and the recently licensed Yuri Gaidzenko, whose call sign was not available.

To be available to the first crew, the ARISS initial station gear will be installed temporarily aboard the ISS Functional Cargo Block. It will use an existing antenna that's being adapted to support FM voice and packet on 2 meters but not on 70 cm. Eventually, the ARISS gear will find a more-permanent home aboard the Zvezda Service Module.

A Russian call sign, RZ3DZR, has been issued for the ISS ham radio station.

The ARRL and AMSAT have been providing leadership and consulting services for ARISS. ARRL Field and Educational Services Manager Rosalie White, K1STO--a member of the Space Amateur Radio Experiment Working Group--says this is an exciting moment for the project, which has one goal of letting students on Earth communicate with the

ISS inhabitants via Amateur Radio.

"All of the hard work from the many volunteers is starting to pay off," she said. "We have so many people to thank--all of the AMSAT volunteers, ARRL people, the NASA folks--so many of whom are hams. But seeing the youth of the United States and other countries benefit is our reward."

Bauer says the astronauts and cosmonauts plan to take some time off for educational outreach contacts with schools, even during the busy years of ISS construction that lie ahead. Bauer says access to Amateur Radio also is considered a morale booster for ISS crew members who will be in space many weeks at a time.

As the International Space Station takes its place in the heavens," Bauer said, "the Amateur Radio community is prepared to do its part by helping to enrich the experience."

ARRL Bulletin 35
August 24, 2000

Quiat Named an ARRL Honorary Vice President

The ARRL Board of Directors has elected Marshall Quiat, AG0X, of Denver, Colorado, as an Honorary Vice President. Quiat, 78, recently stepped down as Rocky Mountain Vice Director for health reasons. A successor has not yet been appointed.

The Board vote was unanimous.

"There's no one more deserving of this honor than Marshall," said ARRL President Jim Haynie, W5JBP, who informed Quiat of the Board's vote. "I'm happy for him."

An attorney, Quiat served as Vice Director from 1981 until 1987, as Director from 1987 until last year, and as Vice Director until this month. In addition, he served as an ARRL Foundation Director from 1994 until 1999.

Quiat is an ARRL Life Member. As a director and vice director, Quiat logged a long record of service to Amateur Radio. Among other accomplishments, he chaired the Legal Strategy Committee appointed in 1986, and served as a member of the Part 97 Rewrite Committee in 1988. He also was instrumental in the success of the League's PRB-1 effort.

Up Coming Events

September 8-9, 2000 Mena Arkansas

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

Ray Lively, W5DLC
raysoft@intrastar.net

October 7, 2000 MO. Warrensburg Hamfest 2000

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

November 4, 2000 OK, Enid EARC sponsoring a Hamfest at the Garfield Co. Fairgrounds. Call Club officers for more information.

November 4, 2000 OK, Altus AAARA sponsoring a hamfest in the Altus area. Call club officers for more information.

ANNOUNCEMENTS

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

VE exams on 3rd Saturday of each month are held at 9:00 a.m. at Southern Temple Baptist Church, 1821 S High, OKC. Talk in on 146.76 MHz. For more information you can contact Clarence Warstler, KB51BY @ 632-3545.

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

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

VE exams on the 1st Tuesday of the month sponsored by the Stillwater ARC at 7:30 P.M. at the Red Cross Building, 505 S. Main. Contact Mike Crane, KC5GJN @ kc5gjn@hamsnet.net

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

On the Air

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Oklahoma Training Net - Daily @ 5:30 P. M. on 7120 kHz (CW Net)

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

Our History: Museum asks help in Goldwater Station Exhibit

The Arizona Historical Society Museum is seeking donations to reconstruct the Amateur Radio station of the late Senator Barry Goldwater, K7UGA.

Goldwater's amateur equipment, memorabilia and furnishings were donated last year to the Society's museum, which will now need \$77,000 to set up a 'high-quality exhibit' of the massive station console and equipment 'as the late Senator used it'. The museum's display designers will use digital photographic techniques to replicate the interior of the original room as well as the desert views seen from the windows, "to make it feel like you're really walking into Barry Goldwater's ham shack," the museum Director said. (ARRL)

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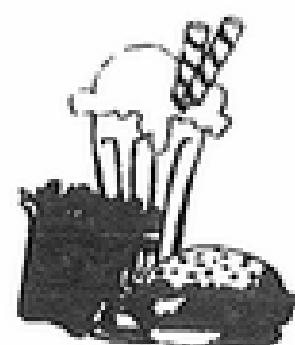
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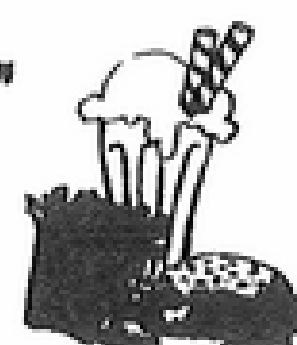
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September 03 - October 14, 2000

Weekly Planner

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

August

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

September

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

October

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

November

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