

Collector & Emitter

Central Oklahoma Radio
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For Postal Information

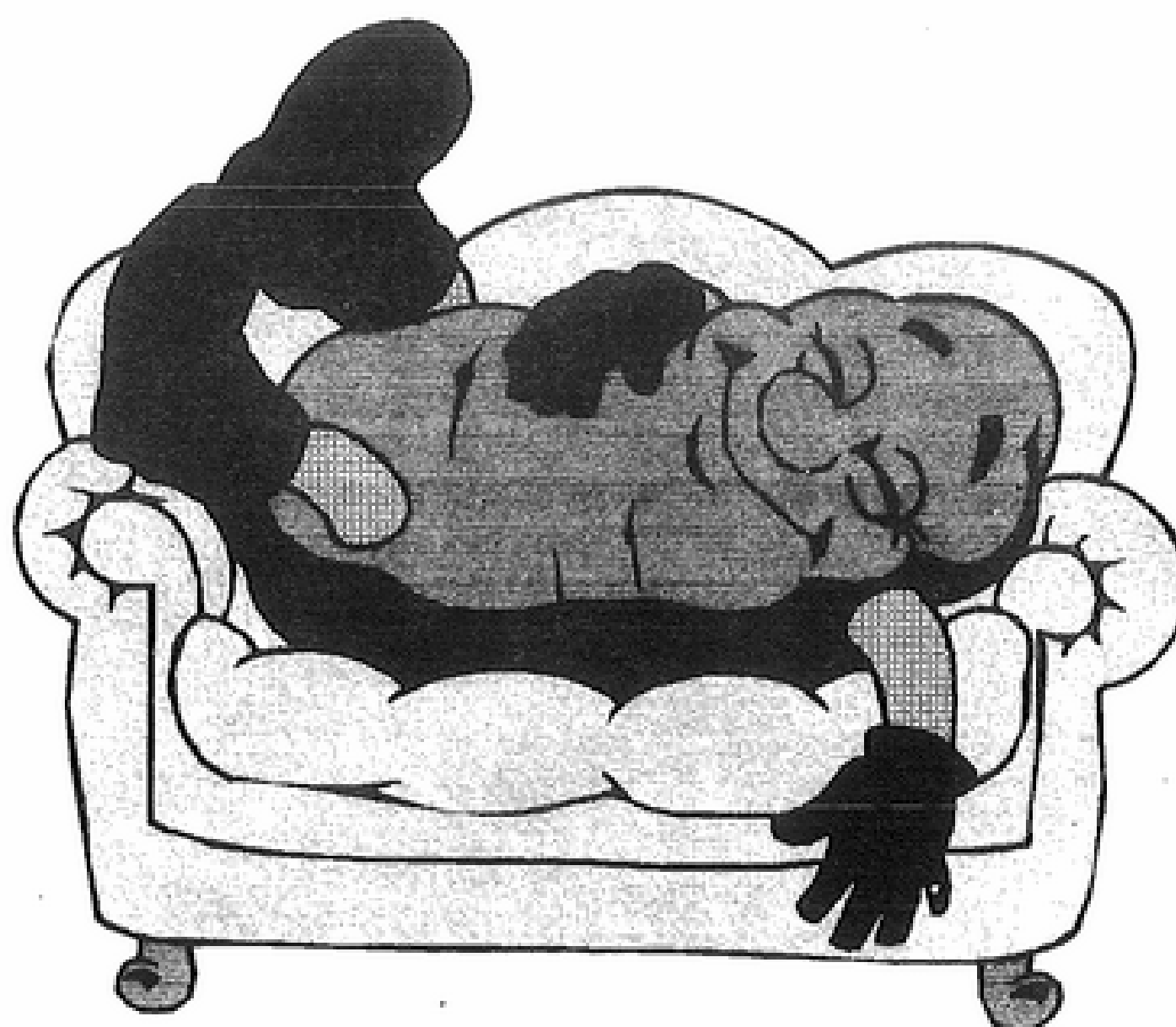
Periodical Mail

Restructuring Reaction

The 2,000 Year Old Radio Amateur

An Interview on How it Really used to be

Lost In Space



CORA Elections 22 Sept 98
Come Out and Vote

ARES - SET Exercise Soon

From The Devil Isle

An Altus Associate Member's Story

Ham Radio In Space

Collector & Emitter**Harold C. Miller, KB1ZQ****Editor****Linda G. Miller, N1LPN****Circulation Manager****Central Oklahoma Radio
Amateurs, Inc.****President: Harold Miller, KB1ZQ****V Pres.: Brad Nelson, KJ0W****Secretary: Forrest Rush, N5VWF****Treasurer: Perry Jenkins, N5PJ**

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

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|--|---|
| 1. Aeronautical Center ARC Meets: 1930L, 1st Thursday, FAA, S. MacArthur, OKC Pres.: Bob Kremer, WA9FCT 381-3182 VP: Chuck Bryant, KB5ZVZ 737-0423 Sec/Tr.: Brad Nelson, KJ0W 793-9470 Editor: | 14. Cimmaron Amateur Radio Assn. Meets: 1930L, 1st Thursday, WX5Y Playhouse 827 S. 13th, Fairview Pres.: John Medley, N5WVU 580-227-3534 VP: Kenneth Monahan, KB5SOM 580-227-3064 Sec: Dennis Panton, WK5V 580-764-3599 Treas.: Nadine Panton, N5FMH 580-764-3599 Editor: Kenneth Monahan, KB5SOM |
| 2. Oklahoma Central VHF ARC Meets: 1100L, 2nd Wednesday, Home Town Buffet, 3900 NW 63 rd , Oklahoma City Pres.: Charles Greene, WA5JGU 943-5631 VP: Bob Ashby, W5HXL 942-5375 Sec: John Dome, KB5WVE 842-3493 Treas.: Jim Speck, W5AI 842-3055 Editor: | 15. South Canadian ARS Meets: 0930L, 2nd Saturday, Red Cross Bldg North OU Campus, Norman Pres.: Dennis McCarthy, KC5EVH 447-2012 VP: Steve Pierce, W5BIV 329-7978 Sec/Tr.: Jeff Wyke, KE5EB 329-6762 |
| 4. Oklahoma City Autopatch Assn. Meets: 1930L, 3rd Tuesday, Salvation Army Bldg NW 50 th and Penn, OKC (Back Door) Pres.: Glynn Massey, N5WNL 631-2731 VP: Kieth Baker, K15XA 392-5402 Sec: Forrest Rush, N5VWF 842-8486 Treas.: D. C. Macdonald, K2GKK 672-4947 E-mail: ocapa@juno.com | 16. Broken Arrow ARC Meets: 1830L, 1st Monday, Broken Arrow Community Center, 1500 S. Main, Broken Arrow, OK Pres.: Jeff Scoville, KC5RTH 918-251-0132 VP: Bruce Burnette, K5PX 918-455-2599 Sec: Joe Horn, KC5VPO 918-451-0028 Tr: Harlan Kinney, K9GDK 918-251-2672 E-mail: w5hbs@juno.com |
| 6. Altus Area Amateur Radio Assn. Meets: 1900L 2nd Thursday, Southwest Technology Center, Altus, OK Pres.: Ron Hughs, KB5UVC 580-482-7994 VP: Bob Casey, KC5CNC 580-482-7437 Sec: Alan Snider, KD5COH Unlisted Treas.: Doc Barker, KM5IO 580-726-3623 Editor: Alan Snider, KD5COH Unlisted | 17. Ada Amateur Radio Club Meets: 0900L, 1st Saturday, Salvation Army Bldg 115 N. Oak St., Ada, OK Pres.: Scott Renes, KD5AJL 436-1369 VP: Dwight Myers, N0RIW 436-4755 Sec: Danny Coffey, KM5LB 436-1271 Tr: Finis Hallmark, KC5YGB 384-5470 |
| 8. Choctaw Amateur Radio Club Meets: 1900L 3rd Monday, Eastern Oklahoma Co. Vo Tech, 4601 N. Choctaw Rd, Choctaw, OK Pres.: Duane Angles, KA5WRG 670-6163 VP: Mike McFarland, N5WNT 799-0612 Sec: Ron Ernest, WB9DAF 769-3207 Treas.: Editor: | 18. Lawton Fort Sill ARC Meets: 1900L 1 st Tuesday, Great Plains Area Vo-Tech room 301, Worley Center. Pres.: Terry Oates, KR5IYB 580-492-5743 VP: Mark Ewell, KC5IZN 580-536-2777 Sec/Tr.: Danita Haney, KC5YYU 580-549-6717 E-mail: w5ks@rli.net |
| 9. Wheatstraw Amateur Radio Club Meets: 1430L, 2 nd Sunday, Location Varies Pres.: Ray Barnes, AB5Z 580-274-3334 VP: Joel Bennet, KK5XS 580-328-5213 Sec/Tr.: Joe Garland, WA5FLT 580-893-2660 Editor: Ralph Wilder, WA5PFF 580-623-5421 | 19. Tri-State Amateur Radio Group Meets: 1930L, 2nd Thursday, Woodward, OK Pres.: Duane Henderson, KC5NID 580-994-2223 VP: Jay Kruckenburg, KB5SOO 580-994-2751 Sec/Tr.: Larry Goodwin Sr. KC5NZC 580-886-2383 E-mail: W5OKT@unibuilt.com |
| 10. Oklahoma DX Association Meets: Hamfests and as announced in C&E. Pres.: Bruce Burnette, K5PX 918-455-2599 VP: Lu Fisher, K5YP 580-254-5641 VP: Jerry Chouninard, K5YAA 918-341-2659 Sec/Tr.: Mark Byard, N5OGP 580-762-1966 Editor: Mark Byard, N5OGP 580-762-1966 | Your Club's Info Could be in this Space! If they were a CORA Member Club. |
| 11. Edmond Amateur Radio Society Meets: Odd Months, 1400L, 3rd Sunday, St. John's the Baptist, Even Month, Dinner, 3rd Saturday Pres.: Jim Richardson, N5OHL 524-0456 VP: Steve Kuper, KC5RYT 722-5789 Sec: Sharon Thompson, KM5GV 844-6245 Treas.: Carl Shortt, KM5PA 359-1135 Editor: Steve Kuper, KC5RYT 722-5789 E-mail: kc5orp@juno.com | Central Oklahoma Radio Amateurs Meets: 1930L, 4th Tuesday, Salvation Army Bldg NW 50th and Penn, OKC (BackDoor) Pres.: Harold Miller, KB1ZQ 672-7735 VP: Brad Nelson, KJ0W 793-9470 Sec: Forrest Rush, N5VWF 842-8486 Treas.: Perry Jenkins, N5PJ 354-5075 Editor: Harold Miller, KB1ZQ 672-7735 E-mail: n1lpn@swbell.net |

Deadline for October 1998 Issue of *Collector and Emitter* is Friday, September 25, 1998. 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 n1lpn@swbell.net. Articles received after the deadline may not be printed that month. Questions please do not hesitate to call - 405-672-7735 / 405-650-9963.

Central Oklahoma Radio Amateurs, Inc.

The August meeting of CORA was an informal get together due to only 8 people showed up at the meeting. The secretary passed out copies of the minutes for the last meeting. There was no treasurer's report as the treasurer missed the meeting.

What transpired was a discussion on the hamfest and what was being said about it. An approximate head count given was \pm 1100. The Wouff Hong had 43 participants and all certificates were given out at the hamfest or mailed to those attending.

The vendors / dealers seemed happy as they packed up and went home. MFJ, Alinco and Premier Comm all expressed interest in attending next year.

With that the gathering drew to a close and we reminded all attendees to remember next month is elections for officers of CORA for 1998-1999. No nominating committee was selected as there were no one willing to take on the job. It is unknown if the current officers will run for office again. They have not been polled to get their answers.

The *Collector and Emitter* was rated Superior by the Amateur Radio News Service this year. Every year the C&E is submitted to the ARNS for grading in their annual newsletter contest. The last two years we were rated Excellent, the movement to Superior is a welcome sight.

Remember next meeting - Elections

CORA VE Testing

The August edition of CORA Amateur Radio testing was held on Monday, August 17. As in each month, the testing was held on the third Monday night of the month at 6:00 PM at the Salvation Army. The Salvation Army divisional headquarters is located at the Southwest

Corner of the intersection of Penn and Northwest Expressway in Oklahoma City. Any August day in Oklahoma is uncomfortable, at best, and test night was no exception. Whatever joke you want to tell how about the extent of the heat would have fit, temperature wise, on August test night: 1998. But, as always, the test room was quite comfortable and a welcome respite from the outside temperature.

At the stroke of 1800 hours the CORA VE team was poised, in place and ready to assist those taking tests. When the final count for the evening was made the following results were posted:

3-Elements Attempted
1-Elements Passed
2- Number taking tests
0-Upgrades

The following individual's results are as noted:

David Duskin-passed Extra Theory

Congratulations to David! We hope to see David and many others at the upcoming September VE session which is scheduled for Monday, September 21 at 6:00 PM. With the anticipated licensing restructuring in the works perhaps it is time for you to upgrade. Good luck in your test preparation. Hang in there, fall is not far away. And, before sleeping another night, say or do something kind for someone.

73, John-WB5SYT

The Choctaw Amateur Radio Club will host their quarterly ham radio swap meet on September 12, 1998 at the Midwest City Community Center. Doors open at approximately 8.00 a.m.

Learn CW - pass the Five WPM Morse Code exam!

Training will begin on Thursday, 1 October, continuing nightly at 7:00 p.m. throughout October. Your two-meter transceiver is the only requirement.

To join the October CW5 Net and earn your 5 WPM Morse Code license, contact Johnny, KM5GM at 239-2779.

From the Editor:

Well folks the Collector and Emitter, has grown in the last four years. I have tried to set standards in order to make the newsletter easier to submit articles to. And end result has been our growth.

With fourteen clubs submitting articles and news the newsletter has gotten large, this and the last several month's editions were 32 pages long. And in trying to keep costs under a reasonable control some clubs news has been combined on a page with another clubs. I have done this to keep from having to print an additional 4 pages.

We had another club express interest in joining our fine newsletter. As of this printing no word has been received on our attending one of their meetings to present the policies of CORA and the Collector and Emitter. Time will tell.

On another note, some members of organizations have complained that club so and so has X number of pages and my club has none, why? Well people it is because that club has folks willing to get involved and help the club grow. Or they as a club get out and do things together. If your membership meets once a month and talks for a few minutes and then goes home, what can I say. Remember I print the things your officers / members send to me. I have held off on some jokes / comical items that were a bit offensive, but those instances are rare.

So get involved and keep your news and information coming. We have one of the only multi club newsletters in the U. S. and it has been a pleasure doing it for the last four years. Help keep the C&E going and make it grow.



Chit-Chat

by Linda, NILPN

Words are like Pearls...

Words are like pearls we cast out into the world, for others to gather and keep as precious jewels, to be passed on ... I remember reading that poem somewhere and the only lines that stayed with me were these.

I think I will take time out and write a few letters to dear friends I have not kept in touch with in the past few months. Letters may be old fashioned, but I love them all the same. Phone calls are okay but letters take more time to write and for me are more personal. When you sent a letter, it is saying to the person you wrote to they matter, they are special. A letter you can set aside and read when you have a moment to enjoy it, a phone call can be an interruption into someone's busy day and you end up wishing they had not called. A letter can be reread over and over again, a phone call can not be.

Cards bring smiles and sometimes tears to a person's life. They arrive when you never expect them and everytime you look at a card sent to you, the feelings they express returns. A few minutes is all it takes to let someone know you are thinking of them by sending them a card.

In this world of ours, Isn't it nice to know that we can send a few words across time and space and they are cherished by the receiver. I still mail out Christmas cards each year and always send out more than I get back. I have been told sending cards is a waste of time and money, maybe for some but not for me.

I managed to keep a few letters my mom wrote to me when Hal and I were first married. I also kept cards and notes sent to me by my grandmother. Now both, my mom and grandmother, are no longer here on this earth and yet their words live on in those letters, notes and cards. I have them in my Hope Chest to pass on to Mike.

Is there someone you have been meaning to write or send a card to and been putting it off? Maybe it is time to write them. Is

someone you know not feeling well or battling an illness? Why not send them a small card and let them know you are thinking of them. Is there a ham you have not heard on the airwaves lately and you miss their wit and the laughter they brought with them when they were on? Write to them and let them know how much you enjoyed hearing them on the air. I know of a few hams who lost their towers in June when the twisters came and might need help getting back on the air... Now, if I can just remember the rest of that poem...

Can we change?

On a recent TV program there was a story which mirrored society's attitude toward each other. It was set in a different time but the issues were from today's headlines.

The main character felt that others owed him something. He saw the whole world as if it centered around him and him alone. He asked the questions, "What about me? I will not settle for seconds. When do I get what I deserve? When is it my turn? When do I get to come first?" and continued on with questions concerning himself and how unfair life had been.

He refused to see how he had used others to get what he wanted. He refused to see that he might be wrong in his thinking, he was right everyone else was wrong. No remorse.

The truth came to light when he was asked again if he was sorry for his actions and he said no. He was told he had chosen his fate. He was told that life was not about him but about those we share it with. No one was better than the next person, we were equals. It is the way we treat each other that either enriches or destroys our soul, we have the power to choose which path we will walk.

Fiction mirroring reality has been a tool throughout the ages in literature but many fail to see it. This story presented the ugly truth of how wrapped up individuals are becoming with themselves. Self comes before all else, no matter the price. No

tolerance for others rights or beliefs. No respect for one another.

I wonder...can we change the direction our society seems to be headed toward? I have the hope and faith that we can if each of us begins by taking that first step. The step of placing others before ourselves. It is not too late to change.

Personal note:

CORA will be holding Election for Officers at the September Meeting. I am not sure at this time how many of our current officers plan to re-run for office. Over the years, there have been a few individuals who have worked behind the scenes and helped to make CORA what it is today and had no official title. Our officers have always been able to depend on them when needed. Here is a kind of roll call of our current officers.

Hal Miller, KB1ZQ has served as President for 3 years as of next month. He has been the Editor of this newsletter since 1994. He has managed to carry both of these jobs with grace and skill. He may get frustrated with the jobs every now and again but that just proves he is human. He believes with his whole heart what CORA represents is worth all we have put into it. Hal has taken an organization which was about to fold and brought new life into it.

Brad Nelson, KJ0W has served as Vice President for 2 years come this September. He has had to step into Hal's shoes a few times over this past year and did a great job. Brad is the person who is the Salvation Army Emergency Net person. He adds spice to our meetings.

Forrest Rush, N5VWF has served as Secretary for three years come this September. He came into office with Hal and feels the same way about CORA as we do. He stepped forward 2 years ago and added to the office the extra duty of chairing our Scholarship Committee. He has done a fantastic job. Forrest has never refused any job he has been asked to do, no matter how small or big.

Last is Perry Jenkins, N5PJ. He has been the CORA Treasurer 4 years come this September. Perry stepped into the spot

when the current CORA Treasurer at the time, resigned. Perry tackled the office without showing any fear. He has been the life's blood too for this organization since taking office. He set the standards on how we managed our funds and opened the books for all to see. Perry works with our accountant each year at tax time and his record keeping is exceptional.

I could write for hours about each of these fine men and all they have given to this community. When each of them took on the challenge of becoming an officer of CORA, none had any idea what to expect. Some had never held an office before in a club and learned while on the job. To me, they are very special and now are faced with making the decision if it is time to move on or not. What ever they decide, the work they have done for this organization will be remembered. Together, they were able to pull off what many thought was impossible, CORA lives on due to these men. So the next time you hear one of them on the airwaves, thank them for a job well done.

Until next month...

Restructuring reaction

Reaction to a pair of proposals to restructure Amateur Radio is coming in from all sectors of the ham radio community. Most are amazed. Some are dismayed. Others are simply wondering if the FCC knows what it really wants to do. Newsline David Black, KB4KCH was at the Huntsville Hamfest where he cornered industry leaders, ARRL officials and the ham on the street to try and sort it all out:

At the Huntsville Hamfest, radio amateurs wonder why the ARRL and the FCC came out with such different proposals:

"I'm surprised that the ARRL even came out with a proposal without seeing what the FCC came out to start with. It kind of frustrates me in the fact that these two entities should be working together because they are supposed to be on the same page on a lot of these issues."

If hams were surprised at what the FCC released in its proposal, the ARRL was caught off guard even more so. Southeastern Division Director Frank Butler, W4RH:

"Before the NPRM came out from the FCC. We had on pretty good word from the FCC that they were going to come out with a proposal with three classes of licenses. One code speed of 5 word a minute. And that was one thing that perhaps prompted the ARRL to take the action that it did when it did to kind of free up them. And then the FCC has come out with something actually pretty confusing. It looks like a document that was perhaps written by two or three people that didn't communicate with each other. You read different parts of it, they don't seem to agree w/each other."; Frank Butler

Changing code requirements has hams concerned about what they see as giving away privileges and making access to amateur radio too easy.

"The FCC proposal, the way I read it, is going to eliminate 5 word a minute code testing. Entry level into HF is going to be 13 words a minute. That may be a mighty large step for some people. The ARRL proposal on the other hand keeps the 5 words a minute code, but gives a lot of privileges to people that really haven't earned them."

"In some ways it may be a good idea, may be a bad idea. It's kind of, it was easy for me to get into Amateur Radio. Maybe too easy. And I am a little bit concerned that people really don't know the details, don't know the technical capabilities of the radio systems."

"I'm saddened and dismayed that people don't want to put forth the effort to use CW. I feel like it's the dumbing down. I don't think the ARRL has really asked around the major part of the ham population thinks"

Among equipment manufacturers, there is uncertainty coupled with anticipation. Yaesu's Chip Margelli, K7JA:

"It's too early to know because any proposal like this could have a very positive on the number of Amateurs Radio operators and on the number of people on HF or it could flop. It is almost impossible to predict what is going to happen in terms of actual licensees. We see a lot of potential in this but, I think it is way too early to tell."; Margelli.

Hams also worry about rumors that code requirements for amateur licenses could be removed altogether.

"I think they need to keep the code in it. Maybe if they want to lower the requirement, that is ok as they don't throw the code completely out. Because I have heard they have been talking about throwing the code completely out and I am afraid that could end up more like 11 meters which is way too nasty for family use."

What will amateur radio's streamlining ultimately look like? One prediction paints a much more liberal than conservative picture.

And it comes from the Leagues Frank Butler:

"I think the final FCC proposal is going to be closer than what the ARRL proposed, if not even more liberal. I don't know, I still believe this is just the straw that they threw out, the FCC, to see what people thought. But they are going to end up doing something more like what the ARRL proposed."; Frank Butler

Regardless of what kind of Amateur Radio Service they would like to see, hams acknowledge that change is inevitable.

"I just think its gonna happen. And then you can write letters and send e-mail until you are blue in the face and it's going to happen whether we like it or not."; Frank Butler

From Huntsville, David Black, KB4KCH, for Newsline.

An Interview With... The 2,000 Year Old Radio Amateur

In a rare OKDXA Exclusive, KC5QVV interviews the oldest living radio amateur. Your skepticism about this Ham is understandable, but please read on!

Q: On behalf of the OKDXA, I want thank you for doing this interview.

A: It's good to be here. When you're 2,000 years old, it's good to be anywhere! The name here is Max, that's short for Maximus DeXus, and the call is IV.

Q: Quite an unusual call...

A: Yeah, most Hams think it's 'India Victor', but it's the Roman numeral four. I was the fourth Ham licensed by The Roman Empire, and I'm here to tell you a lot has changed since then....

Q: I'm sure it has. How long have you had your license?

A: I got the call IV when I was 16 years old... In 352 I upgraded and they gave me the call KKVIC. I asked for my old call back because every time I made a contact into Oklahoma, they kept calling me 'Chuck'...

Q: You've seen so many changes in the hobby, is there any one thing that stands out as the most significant advancement in Ham Radio since you were licensed?

A: Wire.

Q: Wire?

A: Yeah, WIRE. You thought I'd pick something like the Compactron tube, but wire is essential. Take any radio and cut all the wire out of it. Then what do you have? You have JUNK! Try forging a full size 160 Meter Rhombic out of a bronze ingot and you'll get the idea. Insulated wire was even better. I like wire.

Q: I would have thought the discovery of electricity was a significant event... You couldn't have radio without it.

A: Sure, electricity changed many things, but wire was a really big event. We had plenty of Amateurs long before electricity was discovered. They worked spark.

Q: How could you run a spark transmitter or receiver without electricity?

A: What transmitter? You want a spark, you take a piece of flint and a rock then bang the two of them together. You get a spark. We didn't have receivers. You had to go to the top of a hill at night if you wanted to work DX because you couldn't work 'em if you couldn't see 'em...

Q: Operating technique must have been very different from what we have today...

A: Yeah, I was really lucky back then. I had a three story house on a corner, a perfect DX location with a clear view in three directions. My neighbor down the street was IIX and XXIV was around the corner. IIX relayed for me on Net night. I remember a guy who claimed to be CLV wanted to be a regular on the Net, but his sending was so poor I checked up on him and he turned out to be a bootlegger. Nice guy and all that, but he had arthritis or something and couldn't pass the 13 words per hour code test. Lots of guys had that problem. He got a big stick and a hollow log and became a CB'er. What a shame. His neighbors complained a lot. You needed big rocks to pass that code test. Little rocks wore out too fast.

Q: Did you say 13 words per hour?

A: Yeah, code was different back then. We had 'Dits', but the 'Dah' hadn't been invented. The ARRL, you know, the Arabian Radio Rock League, was a bunch of crusty old codgers who insisted on preserving the Egyptian and Greek code characters. The Greek part wasn't too bad, but the Egyptian Hieroglyphs? Oy! We all bought Rosetta Stones for study guides... They said you weren't a real Ham unless you knew all the traditional characters, they said it would keep the riff-raff out of the hobby. You think learning code today is like learning Greek? Back then, it really was! 'Q' signs hadn't been invented, so it took forever to bang out a QSO, and I really mean bang out a QSO! I'll bet you thought the Rosetta Stone was a rare archaeological find. They were study guides. The ARRL

sold them by the hundreds at HamFests. Very few of them survived. Most guys got so frustrated with learning the code they ended up selling them for boat anchors.

Q: What else was different?

A: We didn't work DX on sunny days. You couldn't see the sparks very far.

Q: Couldn't you use a mirror and signal by the sun's reflection instead?

A: I wish we had thought of that...

Q: What else was different?

A: Well, working mobile wasn't popular. You couldn't carry your big radio rocks on a jackass. It wasn't until 143 that I worked my first mobile station. I remember it like it was yesterday... It was a very dark night and I saw a faint series of flashes through the bedroom window. It was a CQ. I grabbed my radio rocks and banged out a reply. My wife asked what I was doing, and I told her I was talking to some guy sitting on his ass out near the edge of town. And she says: "For that, you need a license?" I don't think she ever really understood the hobby.

Q: What are some of the more significant events in ancient radio history?

A: Well, you know that thing between the Jews and the Romans in the Bible? That was the direct result of a Centurion who wasn't too good at copying radio signals. I keep telling people, but they won't listen to me, that it all started when a nice Jewish family set up camp near a hill where one of the Roman Legions had stopped on their way to Macedonia. It was in the early evening and they were starting a fire to cook dinner. Either they had damp wood, or their flint was worn out, but it took forever to get the fire going. Some Roman officer saw what he thought was a signal and copied it as a rude joke about Mars, the Roman god of war... Now, we all know there are certain things you just didn't do in the presence of Centurions, and one of them is making a joke about Mars having a limp wrist...

The whole thing got exaggerated way out of proportion. History would have been a lot different if they had a Zippo.

Q: Anything else?

A: Sure... I could go on for hours! Do you know who was the first repeater? It was XLIII. He lived on a big hill near Syracuse and was a chronic insomniac. He'd stay up all night with his radio rocks and relay traffic. Then, XMIL in Crete got licensed and they'd relay back and forth between Sicily and Crete. Once word of this got around, they found more insomniacs willing to set up repeaters in Messina, Sicily and Cagliari, Sardinia. They had clear paths into Rome and Naples across the Mediterranean. The Nets ran all night and were incredible! Like 75 Meters today, it was mostly a bunch of cranky old guys who couldn't sleep. It wasn't long before the Sicilians and Romans started to get on each other's nerves. Then XMIL in Crete developed a stutter. Did you know the word 'Cretin' was invented because of XMIL? Some people say Caesar Augustus ordered Sicily burned to the ground because of the guys on those Nets. I don't think so, but, there was this guy in Sicily they always called 'Anus Maximus'...

Q: What do you think of Amateur Radio today?

A: That's a good question... In some ways, it's better than it used to be. But some of the new technology is hard to understand. Do you remember when that DeForest kid invented the Audion vacuum tube? For guys like me who hammered out QSO's with a pair of radio rocks for centuries, that was a really big change! Let's just say I went through a lot of radio tubes before I got the idea of how they worked. I think I still have some scars on my hands from the broken glass... One thing I really wish they'd bring back is the Latin test... I know you have to change with the times, but QSO's in English don't have the elegance of a classic Latin QSO. In my opinion, the hobby took a really bad turn after they started issuing those 'No Latin' licenses. And, The Pope agrees with me! I can't believe what passes for a QSO on the typical 2 Meter repeater today...

Q: Have you worked The Pope?

A: Which one? I've worked just about all of them. The Vatican repeater is probably the only place in the world where you can still find a good conversation in Latin. They had a heck of a time programming the digital voice ID'er, but it's like music

to my ears. Some of the Greek amateurs think they're better than the rest of us because they still use a classic language, but I have a set of beams and I like to yank their chain every now and then with some really high-class Latin modulation! They still get nervous when I talk about the good old days of The Roman Legions. Hi. Hi. And the Sicilians? Don't get me started! Let's just say I think Anus Maximus had a lot of descendents. I don't mean that in a bad way, I just think there isn't anything wrong with Sicily that a couple of Roman Legions with a weekend Pillage Pass couldn't straighten out...

Q: Are you saying there are some things about Amateur Radio that never change?

A: Yeah... It's true. As the last living citizen of The Roman Empire, let me say there's one thing I've learned from the Romans that's still true today: "You'll never get anywhere in this world until you learn to give a full day's work for a full day's pay". As for Amateur Radio, my latest project is setting up an ATV station so I can bang out QSO's with my radio rocks. Remember, you can't work 'em if you can't see 'em...

Contents Copyright 1998 - de Nelson Derks, KC5QVV - "Illegitimus Non Carborundum"

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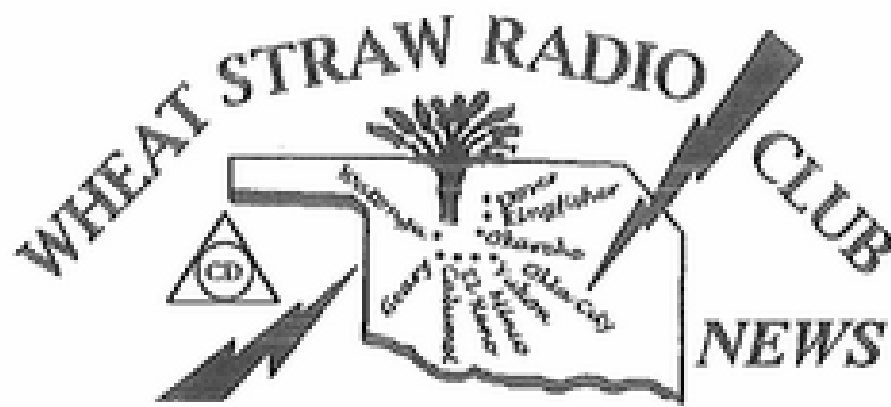
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Wheatstraw Amateur Radio Club

Minutes

The August 9th meeting was a covered dish dinner. A lot of wonderful and good food was brought to be shared by all. We had roast beef with onion gravy. Fried chicken, cakes, pies, three pans of baked beans, fruit, vegetables, and sandwiches. I think there also was three different kinds of cheeses. I would say our ladies out did themselves again.

A prayer was given by Johnny, K5GN. Everyone had a good dinner. I think after eating such a fine meal, some of us would have liked to had the opportunity to take a nap.

Meeting was called to order by Ray, AB5Z and we had twenty-five present. Some of the youngsters went for a walk down on the water front. Self introductions were made before the meeting. We were glad to have the visitors and the members we had not seen for some time.

The minutes of the previous meeting were read by Johnny in the absence of Joe, WA5FLT. The minutes were approved as read. The September 13th meeting, which was planned at the July meeting, is to be a Hamburger fry at Roman Nose State Park. The directions at this time for the location on where we are to meet is to be as you pass the old golf house, go on past, then take the first road to the right, stay to the right. We will try and have a sign placed there to let you know you're on the right track. I called the Roman Nose person in charge of picnic areas. They do not reserve any place for anyone. It is first come and stakes a claim on an area gets it.

I drove out to the area where we decided to go and there was a chain and lock

hanging on the gate. I could not find out at the time of writing of this article if the gate was only locked in the late evening or not. When they find out, they will call me. I will bring my findings to the Wednesday net and we can discuss it than.

The meat for the hamburgers will be furnished by the Wheatstraw ARC. The buns, onions, pickles, chips and fixings are to be brought by the members. Do not forget to bring drinks and eating set ups.

Goldie said she will bring the hamburger relish. It is home made, but you don't tell anyone. It is good eating!

Neal, N5KCO made a motion we have the hamburger fry at 6:00 PM. It was seconded by Leo, WZ5H and the motion carried. Hopefully it the temperature will not be too hot. The location is a shaded area.

Net control is to check how many will be there for hamburgers and report to Leo, WZ5H. This will give him a good idea on how much meat to buy.

Johnny talked about the Calumet repeater license and it is time for renewal. Jim, N5VDY made a motion for Joel, KK5XS be elected the club Trustee. The motion was seconded by Charlotte, KB5RNR. The motion carried.

Ralph, WA5PFK will be Net Control for next month, with some help.

Leo made a motion for the meeting to be adjourned and it was seconded by Neal, N5KCO. Motion carried and the meeting was adjourned.

Ralph, WA5PFK

Fall and the Great Outdoors

I have always loved the outdoors, especially awakening up at dawn to the sounds of nature. The sounds are beautiful. The musical sounds only nature can provide, Crickets chirping, many different kinds of wild birds singing, the rustle of leaves, the wind blowing through the tree tops, especially through the tall pine trees. When cooler weather comes and the leaves begin to change, we know Fall is soon to follow.

Outdoor Calendar for the hunter

September

1 Sept. Dove Season opens Statewide and continues through October 30.

2 Sept. Reservations taken for Bugling Elk tours (Sept. 3, 5, 6, 10, 13, 17, 19, 20, 24, 27, and Oct. 1, 3, 4) at the Wichita Mountains Wildlife Refuge in Lawton, OK. Phone # 405-429-3222.

5-6 Sept. The Hall of Fame Gun and Knife Show to be held at the OK State Fairgrounds, Oklahoma City. Phone # 405-386-7303.

7 Sept. Oklahoma Wildlife Conservation Commission meeting to be held at the O. D. W. C. Headquarters at 9:00am.

12-13 Sept. "Toys for Tots" Bowhunting Defense Fund 3-D Archery Shoot. Duncan Bowhunters Club. Phone # 580-476-3340.

12-20 Sept. Teal seasons open in Panhandle. (Teal is a type of small duck)

19 Sept National Hunting and First Day.

October

1 Oct. Cottontail and Swamp Rabbit Season opens statewide; Jackrabbit Season open(west of I-35 only) All three seasons run through March 15, 1999. Look for water fowl regulations.

6 Oct. First half Deer Archery and Wild Turkey Archery Seasons open statewide and runs through November 20, 1998.

10 Oct. First half of Crow Season opens and runs through November 16, 1998.

24 Oct. Primitive Firearms Deer Season Opens statewide and runs through November.

31 Oct. Wild Turkey Gun Season opens, except closed in some counties, and runs through November 20, 1998.

Additional information

Please do something for yourself if you plan to go hunting. Get a HUNTING LICENSE first. If you have any questions or do not understand the hunting and fishing rules, go ask your local game ranger before you go out hunting. Don't wait and ask your questions after you are arrested for breaking the law.

Look at what your hunting and fishing license fees have done for the hunters in 1997.

Archery: Bucks-6,254 ; Does-4,676

Gun: Bucks-26,524 ; Does-15,615

Primitive: Bucks-13,668 ; Does-4,457

Total Deer harvested in 1997 is 71,207 in the State of Oklahoma. (Courtesy of *Outdoor Oklahoma*)

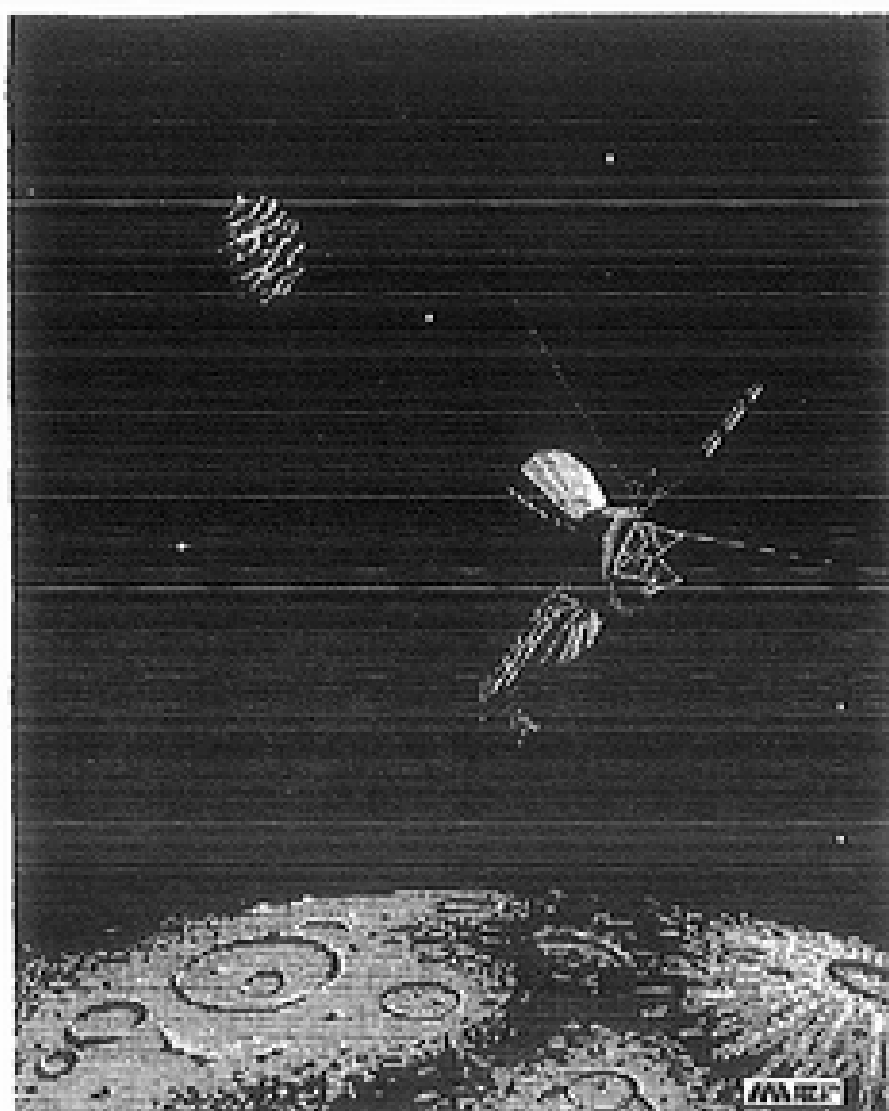
One final word concerning hunting. Practice your shooting skills at a gun range until you can hit the target and you rarely miss the area you are shooting at. Often times, unskilled want-to-be hunters will wound an animal and leave it in the wilds to suffer and die a slow and painful death. Never shot unless you are sure you have a clear shot and can make a clean kill. Never kill something you do not plan to eat. There are some hunters who depend on the hunting season to supply meat for their families. Do not waste what others may need to survive.

Outdoor Trivia

1. A Hummingbird's tongue is as long as it's body. True or False
2. In shotgun terminology, 410 refers to the caliber or gauge?
3. To what does a shotgun's gauge refer?
4. Current waterfowl season lengths and fixed bag limits are some of the largest in history. True or false
5. How many different species of fish exist in OK? A)27 B)176 C)82
6. How do biologists determine the age of fish?
7. What year was Oklahoma's first Archery Season?
8. How long was the first Archery Season?
9. How many Trout species native to Oklahoma?
10. By which method - Archery, Muzzleloader, or Gun was the new number one Cy Curtis White-tailed Deer harvest?

Answers for the Outdoor Trivia will come in next month's club news.

Ralph, WA5PFK



Lost in space

A wayward spacecraft that has been the object of a terrestrial by hams, other communications enthusiasts as well as astronomers longer considered lost in the cosmos. The with an announcement the lost SOHO spacecraft, which disappeared while observing the sun has been found spinning slowly and helplessly in space.

According to a July 27th news release, SOHO has not spun far off course. In fact, scientists say that it might even be possible to get it back in working order.

About six weeks ago ground controllers announced that they had lost contact with the Solar and Heliospheric Observatory that's nicknamed SOHO. The satellite, a joint project of the European Space Agency and the U. S. National Aeronautics and Space Administration was designed to observe the sun from 900,000 miles out in space.

To find SOHO, the National Astronomy and Ionosphere Center in Aricibo Puerto Rico used its giant radio telescope to send a signal out toward where SOHO was last known to be. The signal was then reflected off the spacecraft and NASA was able to track it.

During its time on station, SOHO has transmitted back data on two comets plunging into the sun, several major solar storms, rivers of plasma beneath the sun's

surface and that appears to be a kind of magnetic carpet on the sun's surface. Because of this and other observations, SOHO helps scientists to predict solar storms that disrupt communications on Earth.

(*Science Line Report*)



1998 AMSAT Meeting

The three day 1998 AMSAT Annual Meeting and Space Symposium will kick off October 16 in Vicksburg, Mississippi at the Park Inn International hotel.

The Vicksburg Amateur Radio Club is this year's host. The deadline to make room reservations is September 14th.

Additional information about the 16th Space Symposium and Annual AMSAT Meeting, including airline access to Vicksburg, is available at a special website that can be found at:

<http://pages.prodigy.com/DXHF93A>

(AMSAT News Service)

1998 WSWSS VHF+ Conference

The 50 MHz and Up Group of Northern California, and the Western States Weak Signal Society will hold the annual WSWSS VHF+ Conference October 3, 1998 at the Sunnyvale Hilton, Sunnyvale, California. The conference will have two presentation paths, one for general interest and one for technical specialties. Papers or presentations are being accepted at this time. Topics should be of general VHF+ interest or detailed technical content. Those interested in participating should submit a paragraph outlining content to Jim Moss by e-mail to:

n9jim@aol.com

(WSWSS press release)



Edmond Amateur Radio Society

By the time you read this, Labor Day will be behind us and we will be well on our way to Fall, which hopefully will bring cooler temperatures and some needed rain. It's been a long, hot summer and we're probably all ready for a change. September is a busy month for the EARS Club – several activities needing your participation. Check below for details.

August Board Meeting

The August meeting was held at Brick's Restaurant in Edmond, as it is every other month. This seems to be a popular venue and the meeting was well attended.

The August dinner meeting will be held at Pepe's in Edmond on Saturday, August 22. For the October dinner meeting, we will meet at the new Golden Corral in Edmond. They will not make reservations on weekends, but we will get there early and probably be able to all sit together. More details will follow later on.

Club Trustee, Dee Mize, WD5FHR indicated that the repeater is working very well these days. The new Controller is being programmed by Lee, KA5WIS and Ken, N5TWC and is quite a sophisticated piece of equipment. They hope to have the controller operational in the near future; in the meantime, the current controller is behaving well.

Past President Jay Lytle, KB5VDH thanked everyone for their help at the registration table at Ham Holiday this year. As always, volunteers arrived ready to greet participants and a good time was had by all. If you haven't been part of this effort, mark your calendar for July 1999 and sign up. We had a really good time.

HF Committee Chairman, Dave Storey, K0TYC reported that the next Special Event station will be to celebrate Statehood Day on Saturday, November 14th. The Club has been receiving some QSL cards from the last event for the Club's Worked All States Award, and we're almost there! September 19th is Amateur Radio Awareness Day. Dave indicated that the Club needs to plan something. He will look into possibly setting up a working display outside Radio Shack in Edmond.

Clara, KG5UG indicated that some Club members are indicating that they would prefer not to be contacted by email, and prefer a phone call from the Calling Committee. It was decided to contact members to ask which they prefer.

The Board voted for the Fall licensing classes to go ahead as usual. There will be a meeting to arrange for instructors and fees.

There was a request brought before the Board on behalf of Allen Clark, N5PA, if it would be okay for him to use KC5ORP as his QSL bureau for his upcoming trip to Malawi, Africa. There was total agreement. His call sign will be 7Q7PA.

The meeting was adjourned at 9:05 PM to the relief of Brick's waitstaff.

August Dinner Meeting

A good crowd of 41 strong showed up for the dinner on Saturday, August 22nd at Pepe's Mexican Restaurant in Edmond. This is always a popular place to hold our dinners. Everyone seemed to be eating hearty and the conversation was animated. President Jim Richardson, N5OHL and others brought the members up to date on various things that are happening and upcoming events. We all had a great time. Plan to join us in October at Golden Corral. Date and time will be announced later on. Everyone always has a good time meeting new people and catching up on the latest news. We'll look forward to seeing you there in October.

Happy Birthday to our September Folks!!

| | |
|-------------------|---------|
| Onis Cox, KC5RPC | Sept. 1 |
| Larry Traub, N5OL | Sept. 2 |

| | |
|-------------------------|----------|
| Glo Guinn, KB5BGM | Sept. 6 |
| Edith Vaughn, KA5YPX | Sept. 6 |
| Ron McCubbin, KC5QCV | Sept. 10 |
| Don Rooker, NO5M | Sept. 15 |
| William Green, N5YDU | Sept. 17 |
| R.W. Payne, KA5TFO | Sept. 18 |
| Bev Estinbaum, KA5WKQ | Sept. 20 |
| Dustin Bennett, KC5HGZ | Sept. 21 |
| Joe Watson, W5WBR | Sept. 21 |
| Squire Luttrell, KA9KFC | Sept. 25 |

Welcome to our newest member:

Raymond Ellis, N5WKW from Cashion, America!

Dates to Remember

Thurs. 9/10/98 – Novice/Tech Pre-Registration at the Club Station 7:00 PM

Thurs. 9/10/98 – Class Instructors Meeting Club Station 7:00 PM

Fri. 9/11/98 – Board Meeting – Club Station 7:00 PM

Sun. 9/13/98 – Fall classes begin.

Registration 1:00 PM

Class begins 1:45 – 4:15

Sat. 9/19/98 – Classic Car Show – UCO

Sat. 9/19/98 – Amateur Radio Awareness Day

Sun. 9/20/98 – Business Meeting – St. John's Catholic Church 2:00 PM

Sat. 9/26/98 – UCO Parade

Sun. 9/27/98 – Crop Walk – Hafer Park 2:00 PM

Sat. 10/3/98 – Siren Test

Sat. 10/3/98 – Wichita Hamfest

Sat. 10/3/98 – Belton, TX Hamfest

Sat/Sun. 10/17-18/98 – Jamboree-on-the-Air

For some of the above events, we are looking for volunteers (Crop Walk, Siren Test, UCO Parade). If you are interested in helping out with any of these, please contact Clara Granger at 341-2968 or Edith Vaughn at 348-2961.

Monday Night Information Net

If you are not a regular participant in the EARS Monday Night Net, you are missing an opportunity to keep up with what's going on with the Club. Each Monday evening at 8:00 PM on the 147.135 + repeater, you can learn of upcoming Club events and have an opportunity to volunteer your services, as well as keep abreast of various things going on in the ham community, such as

hamfests, other nets, CW classes, and information on local V. E. testing sessions. Plus, we will have the opportunity to hear your Call over the air as you check-in "for the count." We have a very respectable number of folks who check in each week, both Club members and others in the area. We even hear regularly from folks in outlying towns and it's good to see that our signal is getting out like that.

This year, we have had the opportunity of hearing a whole group of new Net Control Operators as more and more people are stepping up and getting their feet wet, conducting the Net. This has several benefits. First, we get to hear a variety of Operators and their unique styles. It spreads the responsibility over enough operators that no one is overloaded. In fact, if someone wants to run the Net regularly, they really have to be quick to reserve a spot in the upcoming weeks. In addition, more and more operators are sharpening their skills as Net Operators, which could come in mighty handy some day if they find themselves in an emergency situation and they are called upon to step up to the plate. Learning to feel at ease (or at least learning how to control our butterflies) is a valuable asset. We have a lot of fun on the Net, too, so join us on a regular basis. That's Monday evenings at 8:00 PM on the 147.135 repeater located high atop the tower at UCO in Edmond.

If you would like more information about becoming a Net Control Operator, call Jim Richardson at 524-0456 and ask for the Net Control Information Packet.

Novice/Technician Classes Begin

By the time you read this issue of the *C&E*, classes will be starting. There is still time to register someone for the classes. Call Clara at 341-2968 for more information. Classes will begin Sunday, September 13th at the Downtown Community Center at 28 East Main in Edmond. Registration will be at 1:00 PM and classes will start promptly at 1:45. The classes will run for eight weeks, followed by on-site V. E. testing on Sunday, November 8th. Classes will prepare students for the Novice and

Technician theory exams, as well as the 5 wpm Code exam. Study manuals, audio tapes and computer disks will be available to assist you in your studies. Now is the chance for that relative, neighbor or friend who has watched you on the radio and wished they, too, could be a part of ham radio. Get the word out, and contact Clara ASAP.

Until next month, hope you all are well and enjoying life's blessings. Remember, if you have a need that someone in the Club can help fill, or if you have a prayer request or health situation you would like the members to know about, please let Clara know. Her number is 341-2968 and she would love to hear from you. If you miss her, please leave a message on her machine.

73 to all

Sharon Thompson, KM5GV

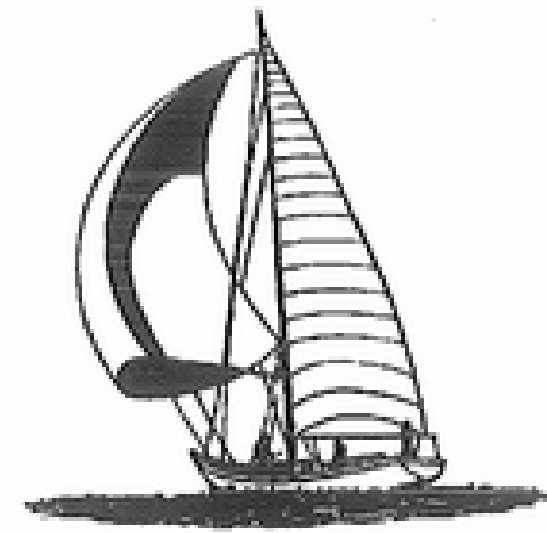
Health/Welfare

We were all indeed saddened by the news that Kenneth Lenoir, WB5TGI passed away August 13, 1998. He has been a member of the EARS family for several years and will be missed by all of us. We wish to offer our deepest sympathy to his wife, Eusey and their three children and their families in the loss of their loved one. You shall all be in our thoughts and prayers during this difficult time.

Bob Hebert, N5SAG has been recovering from three previous surgeries in the last 1-1/2 years and is still having problems with another hernia. He will have to undergo surgery again in the near future. He is hoping that this problem can be repaired using a laser procedure. Bob, hang in there! We all wish the best for you and will keep you in our prayers.

Many times we take our good health for granted. When we look around us and see so much suffering and pain, don't we have many blessings for which to be grateful.

73 from Clara, KG5UG



Marine tracking by hams

Hams in Florida recently helped to track down the source of a signal on marine channel 16. This is the channel most often used for emergencies and as a calling frequency.

District Emergency Coordinator Linda Mullen, AD4BL, reports that WA4IMC was able to find the offending transmitter. This, through a process of elimination of reports from other amateurs monitoring the 156.80 MHz signal.

The source of the signal turned out to be a bag dropped on a push to talk microphone. The signal remained on the air for several hours making it easy to locate.

(ARRL)

More FCC deregulation

The FCC has completed its 1998 Biennial Review of the Maritime Mobile and Maritime Satellite Radio services and is suggesting further deregulation of both. Except for distress and safety communications, the FCC is proposing to withdraw as a nationwide clearinghouse for settling accounts for maritime mobile, maritime satellite, aircraft, and hand-held terminal radio services.

Instead, the Commission proposes to relay upon private accounting authorities, certified under Part 3 of the Commission's Rules and operating under the regulatory oversight of Commission staff, to perform these functions.

The FCC says that it will initiate a review of its current rules for certifying accounting authorities. This the agency says will ensure that the public interest will continue to be served. The FCC will request public on any changes.

(FCC)

Ada Amateur Radio Club

The regular 1st Saturday meeting of the Ada ARC was called to order at 09:10 local on August the 1st.

The financial statement was read by all present it was accepted as presented.

Scott, KD5AJL tried to get our club data together from Field Day, but most of it was lost due to a bad hard drive in one of the computers. It was decided that this will be prevented next year by more frequent backups of the information.

One of our members Darla, KD5AIL just spent a week in the local hospital with a serious infection in her arm. She was released Saturday afternoon August 1 and is home resting well.

Mason, WT5X gave a report on the VHF repeater, the repair parts were reordered again this past week, a new shop manual was also ordered. He also brought to our attention that one of the parts is now obsolete and next time we would have to replace an audio board at considerable expense. Mason also found a repeater controller at the OKC Hamfest for the backup repeater at the repeater site.

John, KC5EYC also reported that the repeater site is now air conditioned so both the city repeaters and ours should now work much better in the hot weather, also the repeater's now have battery backup in case of power failure which will keep the machines running till the generator at the shed can be brought on line.

This morning Charles, KC5TGA; Ron, KD5BIG and Scott, KD5AJL went up and repaired the 2 Meter antenna at the Salvation Army Headquarters so they could check in on the Salvation Army Net.

Also it was mentioned that a new 2 meter repeater was at Allen OK on 147.315 + offset no sub-audible tone is needed.

We now have a proud new ham in the area Marie Wilson, KD5EXM so when you hear her on the air be sure to say hello and congratulations. Also congratulations to Finis Hallmark formerly KC5YGB now KM5RZ Advanced.

Also let's all think about whether we would like to have a fox hunt later this year when the weather cools off some what possibly at the club picnic, we can discuss this further at the next meeting.

Also it was reported that the 146.895 repeater was down for repairs

The meeting adjourned at 09:35. Remember to be very careful in the heat.

Danny E Coffey, KM5LB
Secretary Ada ARC



Lawton / Ft Sill Amateur Radio Club

Member Roster Updating

For those with Internet access, check out the newest feature added to www.w5ks.org. An online membership database. OK, so it is not as much fun as talking about the secretary not having just one more roster to take home and put in the shack. Of course it is out of date just as soon as someone upgrades, changes their phone number or relocates. Probably before the last roster was printed....that old secretary is falling down on the job -- again.

And how many times can the Club Secretary get my address wrong. I don't understand it, I "TELL" the secretary at every meeting that it is 1706 NW 15th St., Apt 14 (I think) but I still don't get a copy of the C&E. Why? I mean, what's so hard

about remembering my address. I'm just one ham, right?

Our friends at Johnson Computer Service, Inc. have designed a webpage for us to add and update our information individually. We can now make our own corrections, while online. Don't like the way the roster is sorted, select a button and it's sorted by that category. Upgrade or change your callsign, go online and make the change yourself. The change you submit is not immediate, allow a few hours. I'm notified by email of your request and will get to it directly. There's a lot of flexibility with this Webpage, leaving way to too much room for abuse. NO ONE wants to have their Homepage button refer to something totally inappropriate or offensive. The only reason for the "verification" is to prevent abuse.

It is currently set up to list W5KS members. If you are not a member and want to add yourself to the database you are free to do so. Only W5KS members will show up in the list format, but you can still be found using the "GO GET 'EM" Field at the bottom of the page. Of course you should become a member of W5KS and be listed. RIGHT?

With all the amateurs that have access to the WWW it just makes sense to let them input and update their own information. Members that don't have Internet access will have to be added by the secretary, but they always had to do that anyway. This new feature saves the secretary time, reduces errors and provides for near real time corrections/accuracy. Of course you still have to update your information, but now there are plenty of people helping in that area. Members don't lose touch just because they move away, they update their information and keep us informed. If there are other clubs that would also like to take advantage of this Custom Online Database Service they should contact Johnson Computer Service, Inc. directly 580-250-4247.

73

Paul, KC5CYY

Altus Area Amateur Radio Association

August Minutes

Meeting held at 711 W Tammerack Rd.
Altus, OK on 13 Aug 1998

Meeting called to order at 7:10 PM. by
Ron, KB5UVC.
Intro.'s- Done

Last months Minutes- Read, voted and
approved

Treasurers Report- Read, voted and
approved

Old Business-

Red Cross Van- Not updated, been too hot
to work on van.

70cm Repeater- no change.

New Business-

Field Day- George N1GM- will head up
the 1999 field day, he volunteered to do it.
Let's make the 1999 field day better than
ever, We know N1GM will give his best
shot, let's help him out as a club.

Hamfest went good, did OK for the
outcome- Doc KM5IO spoke about the
next hamfest, if we will have one, this
went up to the club and Jerry K5QM said
"If we are doing good without going into
the hole, lets keep on having a Hamfest",
all that were present voted yes for it, so on
with the 1999 Hamfest Plans, with a new
chairman, James AB5FS, all right grab
the rope and go with it James.

Jerry, K5QM spoke on the new
FCC/ARRL plan of the whole amateur
licensing proposal change, mostly with
the aspect of and to the No-code Techs, to
get upgraded with the 5 wpm Morse to
Tech Plus, and maybe Grand fathered into
the new change as a General type class
and bands if and when this change comes
out. (This is some good advise from a
member who cares about Ham radio and
it's future for it and the success of it.- Ron,
KD5CYW)

Janice KD5BNO, came up with the New
Alligator Award replacement, It is called
the Rabbit Award, i.e. Big ears - little
Xmiting, taken from the ARRL Operators
Handbook. This is for the folks who listen
in and don't come back to reply after a
conversation, or join in on one. And The
FIRST Award Winner is (drum roll
please)..... James AB5FS. Congrats to
you for Rabbit Award, the repeater
cheater, but next month look out for the
next lucky Award Winner, so hope to hear
you on the air waves of 146.790 (-) or
147.285 (+). (Remember that a freq. not
used, we may lose, so get into a QSO, but
don't forget to support the owner/trustees
of the repeater, with a donation to keep
.79 and .285 on the air, Thanks- Ron)

Justin, KD5DYJ, helped with a
contribution to the Christmas Club
Account, good going Justin.

Adjourned at 7:40 PM. Next Meeting on:
10 Sept. 1999 at 7:00 PM.

Typed by Ron, KD5CYW.

AAARA- VEC Testing Session

Held: Tuesday, AUGUST 25, 1998 in
Altus, OK

1 Passed - Extra Theory
1 Passed - Novice Theory
1 Passed- Part 3a, Upgraded from
Novice to Tech Plus.

"Congratulations" to all who took the
tests, and "Thanks" to the VE's whom so
give their time to hold the test sessions.

Club Editor's Note: We are pleased this
month to publish an article written for you
by Graeme, VK7KT from "Down-Under".
It is our wish to publish a series of articles
written by International amateur
Operators so that you might get a better
feel for Amateur Radio in foreign lands.
Graeme lives in Burnie, Tasmania with
his wife, Tanya and their children.
Graeme is AAARA's very first Associate
Member. We are very grateful for his
assistance and feel that he has helped the
cause of amateur radio with this article.

73 KD5COH



From The Devil Isle

Well a big G'day from the Devil Isle, for
those of you who are wondering "where is
the Devil Isle" it is the little island state
named Tasmania, or for those prefix
chasers VK7, it is located approx. 150
miles south from the mainland Australia.
The island measures 26,179 Sq. miles
compared to the 2,940,074 Sq. miles of
mainland Australia. The population here
in Tasmania is approx. 473,200 with the
total population of Australia being around
18,240,000.

Now out of all this the total number of
amateur licenses is just over 18,000 with
many of these belonging to repeaters,
beacons and individuals, with some
operators having more than the one
allocated callsign.

Although not all of these licensees are
active it would be fair to say that our
number of active operators hasn't grown
much over the estimated figure of 13,000
for many years.

It has been published through Amateur
circles that 5% of VK calls are
relinquished each year, with the main
cause being death, but on a lighter and
more positive side is that the same
number of new operators join our ranks
each year, but the consensus is that there
has been no real increase in our numbers
for several years, with the average age of
VK amateur licensees being 52 years of
age.

Some amateurs have also expressed that
our dwindling numbers could also be the
result of the growing interest in the
computer scene, i.e. the internet, with
such popular features as Chat channels,
NetMeeting, Video conferencing etc. just
to name a few.

Even though many an operator has included the use of the computer into the running of his station or for a separate associated use within the radio shack there are those who don't wish to join the two together.

Australian Amateur Radio Scene

Our licensing requirements here in Australia consist of 5 grades, these being easily depicted in the different call signs that can be allotted to whichever grade of license an operator can apply for.

Our A.O.C.P (Amateur Operator's Certificate of Proficiency) grade or better known as full call license gives the access to all bands and modes with a maximum power level of 400 watts with the exception of 120 watts on carrier modes. This grade of license is based on the multiple choice full theory exam and regulations with an exam on Morse send and receive at 10 wpm, which by other countries including your own as being rather less in wpm.

The worlds first no-code free license was introduced by Australia in 1955 the A.O.L.C.P (Amateur Operators Certificate of Proficiency) or Z calls as better known. It allows suitably qualified operators who have passed the full theory exam as well as the regulations exam to operate on the same bands as the full call but only above 29 Mhz, which includes the 6m band in the 52 Mhz range.

The next class is the Intermediate or K call as it is known, this has the same theory and regulations as the full calls but with a slower Morse speed of 5 wpm, it enables operation on HF bands in the 80m (3.5) 15m (21) and 10m (28MHZ) with a full power level of 100 watts. This grade amateur can also operate on VHF 2m (146MHZ) and UHF 70cm (438MHZ) at power levels of 400 watts.

Next we have two grades in the N.A.O.C.P (Novice Amateur Operator's Certificate of Proficiency) or the Novice call, this consists of a code and no-code Novice, a more basic theory exam but with the same regulations exam as all other grades. The Morse exam is tested at 5-wpm send and receive. The Novice can operate on the same HF bands as the

Intermediate call but with no fm privileges as does the "K" call. Transmitted power is now 100 watts for a novice for HF bands but used to be limited to 30 watts. Also this grade has access to the VHF and UHF bands with power restricted to 30 watts on fm, voice transmissions.

For the No-code Novice his operations are limited to the VHF 2m and UHF 70cm bands only with no HF privileges.

All exams are now conducted by private eligible individuals and organizations on behalf of the WIA Exam service (Wireless Institute of Australia) which is conducted on behalf of the ACA (Australian Communications Authority) which have just had a name change from what used to be the SMA (Spectrum Management Agency).

The WIA is the main representative body for the amateur service in Australia and was first established in 1910, there are branches in each state with divisions within the state branches for different areas. Also there are individual clubs throughout Australia which hold social meetings and activities.

Well I hope this has given you an insight as to the licensing requirements and privileges that the VK operators are allowed here in DOWN UNDER land, quite different to what you guys have to endure there stateside_

If I'm privileged enough to be allowed a follow up on this article I'll endeavor to provide you with an article on what activities and events the VK amateur scene provides for us here in Australia.

Until next time 73's to you and yours from VK land.
De Graeme, VK7KT
e-mail
gsemmens@hotmail.net.au
Packet:VK7KT@VK
7AX.#ULV.TAS.AU
S.OC



World Amateur Radio Day set for September 19

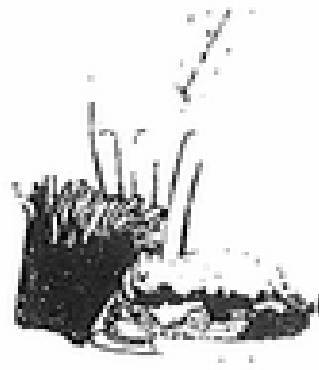
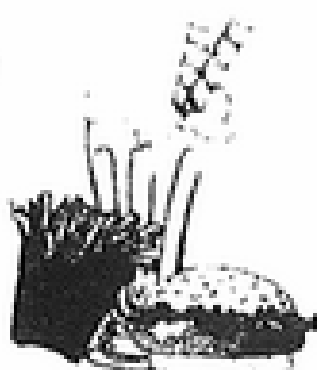
"Communicating Worldwide for Three Quarters of a Century" is the theme of this year's World Amateur Radio Day, set for September 19. The event marks the first two-way transoceanic Amateur Radio contact between French station 8AB and American stations 1XAM and IMO. These contacts occurred on November 27, 1923 and ushered in the era of worldwide shortwave communication.

And to help commemorate the event, IARU Region One will broadcast a special program on shortwave. The show will trace the early history of shortwave communication and the contributions hams have made to the development of radio science and the understanding of HF propagation. The program will air to North America on September 19th at 21:00 UTC on 15.205 MHZ.

For more information, contact Hans van de Groenendaal, ZS5AKV, by e-mail to:

hans@intekom.co.za

(SARL)

| | |
|---|----------------------|
| NSWNL GLYNN MASSEY | KCSVZN JAN MASSEY |
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Choctaw Amateur Radio Club

Minutes, August 17, 1998

The President opened the meeting at 7:05 p.m. with 16 members present.

Reports. The minutes were approved as published in the C&E.

The Treasurer reports that we have all bills paid and are in the black with 40 paid members.

Repeater: The new pre-amp was received and installed, and the repeater is on line and working well. We received a call that our repeater was getting into the Norman Fire Department radio. A look at the signal with a spectrum analyzer, revealed no stray signals. An inquiry was made to the Norman Fire Department and the Fire Chief there said there had been no radio interference to his system. Future calls of this nature will be thoroughly investigated and other clubs notified in the area notified.

Texnet: The system is on line and running well. No problems were reported

Old Business:

A question was raised about ORSI dues, and it was reported that no action has been taken.

New Business:

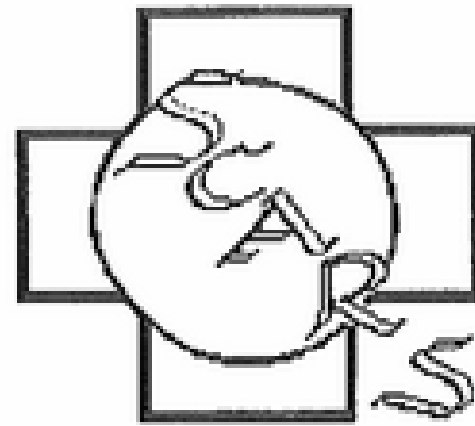
The next swap meet will be September 12, 1998 at the Midwest City Community Center.

Kay, KB5VJR reported that a non-ham got on the two meter repeater, and tried talking to her. When she asked him what

his call sign was, he commented that he did not know. She immediately broke off the communication. We should all be aware that there are some non-hams who have acquired ham equipment and make every attempt to identify them and get them reported to the proper authorities.

A suggestion was made that a future program be centered on the design of tracking antennas that can be used to locate bogus transmitters. Our Technical Advisor is taking this under consideration

There being no further business the meeting was adjourned at 7:45 PM and the members met at Braum's for the social portion of the meeting.



South Canadian Amateur Radio Society

Minutes - SCARS regular meeting - August 8, 1998

The August meeting of the South Canadian Amateur Radio Society was held on Saturday, August 8, at the Red Cross building in Norman. After the usual informal gathering at 9:00 a.m., the meeting was called to order at 9:30 a.m.

More on Field Day: We reviewed the final figures on Field Day and the entry form which was submitted to ARRL. Thanks again to all of the members who contributed time and equipment, those who helped set up, and the 22 operators who worked, especially our overnights and Jerry, W7DAD, who pitched in on CW. Special thanks also to Fred, N5HZX, and his wife for heading up the barbecue; to Mike, KC5GRZ, for the use of his radio; to Bill, N5UMH for the novice station equipment, to Jerry,

W7DAD for the HF antenna; to Louis, KC5ABI, for his equipment; and to Frank, KC5ZHO, for the generator. A great time was had by all.

Ham Holiday: Thanks to all who participated in preparations and operations at this year's Ham Holiday, especially to Louis, KC5ABI for organizing the flea market workers, and to Jim, NW0K, for organizing the group of examiners for the testing sessions.

Repeater Report: Ken, N5BEW reported that we might need to do some reconfiguring of the antennas on the in-town (minus offset) VHF station. We voted a small contingency fund that Ken might use if he needs to make some changes on short notice. Otherwise, the repeaters are doing very well. Thanks, Ken!

We expect to have a couple of representatives at the next CORA meeting, but there was no CORA report for Saturday's meeting.

Christmas Party: We briefly discussed making plans for this year's Christmas Party and decided to bring recommendations for a date and a site to the September meeting, which, by the way is set for the usual second Saturday of the month, September 12, at the Red Cross.

The meeting was adjourned at approximately 10:00 a.m., followed by a testing session.

Submitted by

Dennis, KC5EVH
SCARS President





Oklahoma County Emergency Operating Plan Life Saving Information:

Ladies and Gentlemen!! It is that time already. *SIMULATED EMERGENCY TEST* time, that is. Please prepare and plan now, to participate on Oct. 3-4 98. I plan to run for the two days but will not be continuous. Saturday eve, we will break for the night and resume again on Sunday. Please bare with us on this. It will be realistic. That is enough time for distant messages in and out of NTS to responded to.

PRIORITY: The importance of this is that we want to strive, I said STRIVE to get all the NEW Amateurs involved. PLEASE, I am asking everyone to talk it up to this group. Especially for club leaders to put this on your meeting agenda. In these times of AUCTIONING OFF OUR FREQUENCIES to the highest bidder, it is HIGH TIME that we give more weight to our PUBLIC SERVICE. What are your frequencies worth to you? Is it worth any sacrifice?

I. INTRODUCTION

A. The amateur radio service

The Amateur Radio Service is composed of radio operators who have volunteered their capabilities and equipment to provide supplementary communication in time of public need. Amateurs are licensed by the Federal Communication commission after passing a written examination on their knowledge of telecommunications and technical skills in the operation of radio equipment. In accordance with treaties agreed under the International Telecommunications Union, frequencies are allocated to the Amateur Radio Service. By selection of appropriate frequency bands, amateurs are capable of communicating around the world, throughout a geographical region or may limit communications to only a local area. All nations allocate valuable space in the radio spectrum to the Amateur Radio Service because of its ability to immediately respond in time of need and quickly establish communications where none existed or to supplement existing emergency radio services overloaded with disaster communications. Under FCC rules, amateurs may not be compensated for providing communications and are prohibited from providing communications that further conduct of a business. An exception is defined for the paid broadcast engineer, who is a licensed amateur, who communicates on amateur frequencies in accordance with Oklahoma ERS State Plan, and or (Oklahoma Emergency Team) ??

B. Radio Amateur Civil Emergency Service

Under FCC rules, RACES is provided specific radio frequencies on which amateurs, registered with state and local Civil Preparedness agencies, would continue operating in the event Emergency War Powers were invoked and normal radio communications were silenced.

C. Amateur Radio Emergency Service

ARES is sponsored by the American Radio Relay League to provide supplementary or emergency communications for public service purposes other than Civil Preparedness agencies. Agencies served include American Red Cross, Civil Air Patrol, Salvation Army, Police and Fire.

D. National Traffic System

NTS is sponsored by the American Radio Relay League to provide a network of local, state, area and transcontinental radio circuits for the transmission of non-commercial message traffic in support of the public interest.

E. Military Affiliate Radio System

MARS is a radio communications service of licensed amateurs who are affiliated with the Department of Defense military services (Army, Navy/Marine Corps and Air Force) as an adjunct to military communications.

II. Authority

Title 47 US Code 97.1 et seq., Federal Communications Commission Rules and Regulations, Amateur Radio Service, Oklahoma System State Plan, Oklahoma State Police HQ Special Order. This Model Plan will be presented to all proper agencies for approval. Such as the office of Oklahoma Civil Preparedness, Our Section Manager and Section Emergency Coordinator.

III. PURPOSE.

The purpose of this plan is to provide guidelines for the authorization and mobilization of volunteer Amateur Radio operators when needed in a communications emergency and to define procedures to be followed.

IV. DEFINITIONS

Public Service means any non-commercial activity for which communications are needed to enable its safe conduct.

Competent Official means any executive authorized to request assistance in the public interest and to assume responsibility for those who respond to this request.

Communications Emergency means any situation in which a public agency requests supplementary communications.

Emergency means any situation posing a threat to the safety of life or property. Examples include, but are not limited to: tornadoes, severe thunderstorms, hurricanes, floods, earthquakes, severe icing conditions, heavy snows, widespread fires, discharge of toxic gases or nuclear radiation, widespread power outages, industrial explosions, mass casualty accidents, civil disorders and any event declared an emergency by competent authority.

V. ORGANIZATION

Amateur Radio networks may be organized to accommodate any need:

1. *Amateur Coordination Net*: A communications circuit among various officials, agencies or services not normally in contact with each other.
2. *Amateur Relay Net*: Direct communications between competent local officials and the local broadcast station, or among local broadcast stations, to relay emergency information or program material for rebroadcast.
3. *Amateur Point-to-Point Communications*: Direct communications between any two or more points, even in remote areas not served by other communications facilities.
4. *Amateur Observation Net*: Spotters may be positioned in strategic locations to report observations of local conditions back to public officials.
5. *Amateur Back-Up and Supplementary Communications*: Where a public safety radio system may be lost or overloaded, amateurs are capable of providing necessary communications, literally replacing the primary system

VI. LIABILITY

Under Oklahoma General Statutes, amateurs may be called to render public service when a competent official (1) recognizes that an emergency condition exists, and (2) requests that such service be rendered. In the event of a wide area emergency, when assistance is requested by Civil Preparedness officials, liability is assumed by the State under CGS 28-14. When such assistance is requested by a local official, liability is assumed by the jurisdiction of the requesting official.

VII. MOBILIZATION

Amateurs will immediately establish communications with various repeaters on (a designated frequency) to determine if a mobilization request has been received, whenever:

1. Direct Observations indicate that an emergency condition might exist.
2. An Alert or Warning is issued on NOAA Weather Radio or on the Oklahoma Chemical Spill Emergency Broadcast System.
3. When called by an Emergency Coordinator or fellow amateur in accordance with the telephone alerting "tree" or other alerting system.

VIII. INFORMATION FOR OFFICIALS

- A. Amateur Radio operators are trained communicators. When acting in that capacity, they are not interpreters, evaluators or field commanders. Their purpose is to transmit messages given to them by responsible officials.
- B. Messages must be written and signed by name and title of the responsible official.
- C. By this plan, amateurs are prohibited from transmitting personal observations or opinions, unless specifically requested by a responsible official. This avoids misinterpretation by citizens who may be listening in on scanners.

IX. ACTIVATION PROCEDURE

- A. Activation may be requested by any agency or organization signatory to this plan by contacting any one of the persons listed in Appendix 2.
- B. The requesting official, or his delegate, must define his communications needs.
- C. The ARES Emergency Coordinator will design, organize and staff the communications networks to fill those needs.

X. TESTS AND TRAINING

- A. An annual exercise should be held in conjunction with the national Simulated Emergency Test.
- B. At the discretion of the Emergency Coordinator, the activation procedure should be tested unannounced, with response only to net check-ins, as he deems necessary to insure its efficient operation.
- C. The emergency response group will meet (monthly) on (frequency, date, time) to exchange news and information.

XI. SIGNATORY AGENCIES

Agencies that may be served under this emergency operations plan should be signatory to it and receive a copy of it to ensure their understanding of its definitions.

APPENDIX 1 *Authorized Officials*

(List officials, by name who are authorized to activate this emergency operations plan).

APPENDIX 2 *Club Activators*

1. (name - telephone) 2. (name - telephone) 3. (name - telephone)

APPENDIX 3 *Alerting System*

(Define call-up procedures. If using a telephone fan-out, list names and phone numbers to be called and by whom.)

APPENDIX 4 *Model Network Organization Chart*

(In consultation with local officials, you might determine what communications posts would need to be covered in most situations. Pre-plan this core structure including liaison to the ARES Emergency Coordinator. You can build on it quickly when necessary.)

APPENDIX 5. *Information For Amateurs (for amateurs only)*

- A. A Net Control Station (NCS) will establish a directed net on designated frequency) and receive check-ins from responding amateurs. You should check in by giving your FCC-assigned call sign. NCS will probably instruct you to (1) stand by, (2) report to a staging area with appropriate (identify) equipment, or (3) report to a public official or agency at a specified location.
- B. You should call the NCS by giving only your tactical call sign when:
Reporting on station. When you have emergency traffic, or
When directed by NCS.
- C. To avoid confusion, tactical call signs, denoting your function or location, will be used. You need only to sign off the exchange of transmissions with you FCC-assigned call

to conform to FCC rules, i.e., ("This is Weather, NIAYS, Out.")

- D. Think about what you need to say before keying the mike. Time can be critical. Talk like a telegram, rather than like a long letter. Follow NCS's instructions explicitly and promptly.
- E. If you are directed to cover an official or agency, report directly to the person in charge, identify yourself, briefly explain the capabilities of the amateur net and answer any questions he may have
- F. Sign a roster to indicate you are now a member that town's Civil Preparedness organization. This will ensure proper insurance coverage.
- G. All traffic must be written and signed by the responsible official who originates the message. Use message

precedence as defined by the originator. If you become aware of an unrecognized need, notify NCS. Under no circumstances pass informal queries or information. Never transmit your own observations or opinions, unless asked by competent authority. Everybody has a scanner.

- H. Never quit your post without authorization from NCS. If relieved by the responsible official, you may be needed elsewhere.
- I. NCS will plan for additional and relief operators as needed.
- J. If using a repeater and it fails, go to the repeater output frequency in simplex mode, the designated alternate repeater, or as a last resort, to 146.520-MHz simplex.

Wisconsin hams activate to assist Red Cross

Severe weather in the mid-west. This as a heavy rainfall August 6th causes severe flooding in southeastern Wisconsin.

Four counties, including Sheboygan, Milwaukee, Waukesha and Rock, are declared disaster areas. The floods put dozens of people out of their homes and shuts down some roadways and bridges. And respond with a SKYWARN net for the southeastern part of the state and much more.

The much more comes as ham radio emergency communications falls victim to the torrent. Emergency Coordinator Mike Musiel, K9SJ, of Cleveland, Wisconsin, says the flood waters inundated the basement of the local Red Cross headquarters. This is where the Sheboygan County Amateur Radio Club and ARES radio room is located.

But as soon as the waters recede, Musiel and Larry Bahr, WB9FXQ, go in and recover what equipment they can. Musiel says that the radios are salvaged, but the shack itself was totally out of commission.

So a temporary station is set up at the Red Cross to assist the damage assessment teams in the field. Using it, the ham radio assisted teams canvass large areas of the city. In fact it is the hams who are able to get messages directly to Red Cross headquarters and respond to residents.

What about cell phone service? They prove to be useless. In fact, Musiel says he had a cell phone along, but the local cells were saturated with traffic.

Musiel says that the N9REH VHF repeater in Sheboygan was out of service. Most traffic went through the AC9A UHF machine in Sheboygan, and the WE9R VHF repeater in Plymouth.

(ARRL)

Ham Radio in space

ARISS, Amateur Radio International Space Station, is alive and well. Seven of the eight nations which agreed to put Amateur Radio aboard the Station met at the University of Surrey, in England, in late July.

As Chairman of the Space Amateur Radio Experiment, SAREX, I chaired the sessions. On hand or patched in by teleconference were representatives from the United States, Canada, Germany, Italy, Japan, Russia and the U.K.. France was unable to attend but expressed continuing interest in the project.

Matt Bordelon, KC5BTL, the SAREX Principal Investigator, outlined the NASA schedule of launches which will result in the construction in orbit of the station. First flights will begin next year with the complete station in operation by 2004.

The delegates formed two permanent Working Groups. The ARISS Hardware Group will be chaired by Lou McFadin, W5DID. Lou is well known for his work

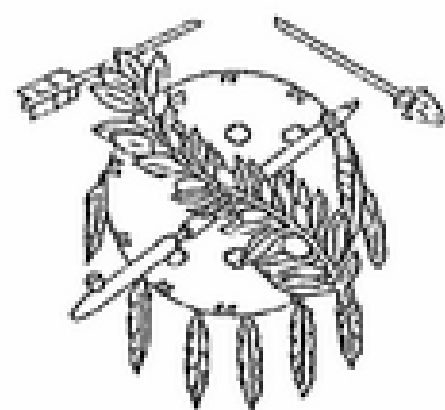
with AMSAT on Phase 3D. This group is charged with building and designing the equipment for space station. They agreed that the first station will have 2 meter voice and packet capability, using antennas designed and built by an Italian team and installed by the Russians. A German team is at work on an interim station that would add 70 CM capability plus a Digitalker. In time, the Hardware Group plans to add SSTV and full duplex VHF-UHF.

The United States will build a packet module, adapter module, the hand held radio and associated cables, as well as preparing a Safety Data Package required by NASA.

The final ISS equipment is still in the conceptual stages but probably will include all mode capability from ten meters through 13 centimeters plus Amateur fast-scan television.

The second permanent ARISS Working Group, The Administrative Group, will be chaired by Frank Bauer, KA3HDO, an AMSAT VP and representative to SAREX. It's charged with setting up ground rules for station operation, organizing financing, getting legal clearances including international call letters and handling all other administrative details.

Rosalie White, WA1STO, the ARRL Representative of the SAREX team, discussed the many ways in which the space station equipment will be used by schools all over the world to link students



Broken Arrow Amateur Radio Club

September Meeting Program

Ham Radio History Video Tape

Presentation

By Chuck Myers KK5IC

August Meeting Minutes

President Jeff Scoville called the meeting to order at 6:30.

The evening's topics opened with a short commentary by the president on the FCC proposal to modify the existing license restructuring. There was some open discussion and questions on the topic. All licensed ham operators are encouraged to voice their opinions and let the ARRL know how they feel.

Chuck, KK5IC provided a stand up report on his recent trip to Canada and points north and told the club about the hamfest weekend in Peace Garden. This park crosses the boundaries of the USA and Canada and is a very interesting event to attend. Chuck commented on the good time and if ever anyone should find themselves in the North Dakota area during the 2nd weekend in July, this event is not to be missed.

Old business:

Committee reports - AARES : Nothing really to report since the weather conditions are only hot in nature. There is a weather net test generally held the 2nd weekend of each month at noon on Saturdays. All interested parties can check in on the 146.88 machine.

Packet reports : Everything is working fine. Some growth has been seen in the Arkansas area.

Net reports : working well. Wayne, KK5AT is looking for anyone that would like to run one of the weekly nets. If you'd like to give it a try it can be fun. A lot of operators

worry about making mistakes but I'd guess all the folks that run one of these nets can tell you, that if you don't make mistakes you're probably not having fun, and they've all been there. Contact Wayne and sign up. I'll just bet you'll be glad you did.

Field Day report : Wade reported a total of 2592 points, and even with the problems encountered during the event, it is considered a successful event.

Engineering committee report : Nick, AB5M presented the findings of the engineering team regarding testing that had been done on the ATV system, and provided recommendations to the club to bring the system back online.

At this time President Jeff Scoville, KC5RTH turned the meeting over to vice President Bruce Burnette, K5PX and joined the ensuing discussion regarding the ATV system. Mark Hogan, N5OBC provided a response to the letter from Merlin, KB5LVT. This letter was read to the club in its entirety and will be included with the minutes along with the engineering report. After some lively discussion on the subject a motion was made by Nick, AB5M to reinstall the ATV system with the recommendations made by the engineering team. Mark, N5OBC seconded the motion. The club voted and the motion passed 17 for, 1 opposed.

Bruce then turned the meeting back over to the President.

New business : none.

Announcements : Dick Horan has been working with some of the club members and is trying to get a weather station working at the EOC. He placed an ad in (check me here) QST magazine for computer chips for these weather stations, and received two in the mail. One came from a fellow in La Mesa California and the other from Petersburg South Africa. Talk about your circulation.

Wayne, KK5AT made a motion that the secretary should write a thank you letter to the above mentioned gentlemen. The motion was seconded by Nick, AB5M, voted on and passed by the club. Thanks Wayne, what a great idea.

The meeting was adjourned at 8:25.

Submitted by,

Joe Horn, KC5VPO
Secretary

VE Testing Report

Congratulations go out to Kelly Blackmon, KD5ALU, who passed his 5 WPM code test and is now a Tech+. Maybe we'll hear Kelly on 10 meters soon!

A quick note on September VE Testing: Since September's VE testing session falls on a holiday weekend, it will be cancelled. VE Testing will resume with the October session on the first Saturday in October.

Happy Labor Day weekend to all!

Latest Net Operator Schedule

By Wayne Hartsfield, KK5AT

146.91/444.000 Mhz Repeater Net:

August 10, 1998 through January 11, 1999

Joe Horn, KC5VPO August 24 -
September 14 - November 9 - December 28

Russell Self, KC5FCA August 17 -
September 28 - October 19 - December 14

Jeff Scoville, KC5RTH August 31 -
October 12 - November 16 - January 11

Wayne Hartsfield, KK5AT August 10 -
September 21 - October 26 - December 21

Thanks Guys and Feel Free To Trade Off
If You Want To Or Need To!

Thursday Night Sidebanders Net

1st Thursday.....Nelson Dierks, KC5QVV

2nd Thursday.....Jeff Scoville, KC5RTH

3rd Thursday.....Chuck Myers, KK5IC

4th Thursday...Wayne Hartsfield, KK5AT

These nights may be swapped among
operators to suit your needs....TNX

On Months That Provide Us With A 5th
Thursday, 1st One On Can Pick Up The
Net

This schedule is also available on the
club's web page, listed elsewhere in this
month's issue.

New BAARC Web Page Address

The BAARC has moved its web page to QSL.NET, a free web server provider dedicated to amateur radio. The previous provider, GEOCITIES.COM, has taken on a much stronger commercial content. It was the opinion of the BAARC co-webmasters that QSL.NET was a "better fit" for the club.

The new address is much shorter, too! It is www.qsl.net/w5bbs (that's all!). The old web page is linked to the new address—just remember to change your bookmarks in your browser when you get the chance.

Engineering Committee Report
Regarding ATV Complaint

Engineering Brief July, 13, 1998

Subject: Decision on ATV (Amateur Television) Interference Complaint.

Members Present

| | |
|---------------|---------------|
| Jeff Scoville | Mark Hogan |
| Nick Marsala | Bernie Cooper |
| Wade Harris | Don Doyle |
| Steve Bradley | Wayne |
| Hartsfield | |

In reference to the complaint of interference caused by the Broken Arrow Amateur Radio Club ATV Transmitter operating on 439.250 Mhz.:

The Engineering Committee has tested and verified that the specifications of the transmitter and found that the operation to be within the specifications of the manufacturer and the FCC Rules and Regulations (Part 97). The Transmitter was verified both on the air and on a bench with a spectrum analyzer.

Further more the Engineering Committee has determined that the operation of the transmitter is within the FCC guidelines (Part 97).

It is the opinion of the Engineering Committee that no harmful or willful interference is being caused by the transmitted signal and recommends that the transmitter should be returned to the air.

ATV Transceiver tests, on the air and on the bench performed by Russell and Doyce Self.

The Engineering Committee recommends the following improvements to the ATV system:

1. Build and install a 3 minute detection circuit to allow auto shutdown in the event video feed is lost.
2. Wire relay to 145.470 repeater controller to allow secondary remote control, the ATV transmitter is currently remote controllable via telephone/computer interconnect.
3. Expand the number of control operators.
4. Install a second receiver to detect transmitted signals on this frequency, to allow frequency sharing.
5. Complete the 900 Mhz link for remote transmitting of video feed, emergency or hobby related.
6. Encourage use by club members and the amateur community.
7. More completely Document station configuration and publish emergency contact information.
8. Submit this brief to the Executive Committee for presentation to the membership and publication in the club newsletter.

Club Editor's note: Action on this report was taken at the August club meeting and is outlined in the *August Meeting Minutes*.

Boy Scout Jamboree Coming Up In September

At the time of this newsletter, information about the annual Boy Scout Jamboree that is held at Camp Russell has not been finalized. Typically the BAARC participates by displaying and operating ham radio equipment at the Camp Russell site. Boy Scouts are encouraged to "try out Ham Radio" and learn more about the hobby.

If you are interested in helping with this event, please contact Don Pugh after 6:30

PM at 251-0738. If you would like to reach him via mail, his address is 9502 Haskell Drive, Broken Arrow, OK 74014. Don will be able to give you all the details as they become available.



N4IDA, Al, is looking for a good base microphone. He wants to use it on a Kenwood TS-430. He can be reached via email at N4IDA@JUNO.COM.

K5FRI, Tom, is looking for Kenwood TR - 9130 parts radio. He can be reached at 918-486-4811.

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

Ham Radio in space (Con't)

with astronauts and cosmonauts. She will be a consultant to Bauer in Administrative Operations for ARISS.

In the near future, a NASA team will go to Russia to sign contracts, certifying Amateur Radio as a crew requirement. Sergej Samburov, RV3DR, is a member of the Russian ENERGIA company which is building the Service Module, in which crews will live aboard the Space Station. He has built four feedthroughs in the hull, as antenna ports. Matt Bordelon, KC5BTL and Joerg Hahn, DL3LUM plan to accompany the NASA team to meet with Samburov and work out equipment locations and stowage plans for service when the Service Module is launched next year.

Although Russia has been plagued with monetary problems, they say they will meet their commitments to The International Space Station. When they do, ARISS plans to be in place and ready to share in the adventure.

(ARISS)

Tri-State Amateur Radio Group

Tri-State Amateur Radio Group held the regular monthly meeting the 2nd Thursday evening August 13th at Northwestern Electric Cooperative building in Woodward. There were nineteen present for the meeting.

It was decided by the Group to change the VE Testing from a event held before each monthly meeting to one that would be held before each meeting by appointment only. There has been no one in the last two years that has tested without checking with the VE team before coming to the test session. This will also give the test team a break of coming to the meeting an hour and a half before the regular meetings.

Gerald Bowman, W5AOK gave a report on the Woolf Hong held at Ham Holiday in Oklahoma City in July. Gerald reported that all had fun and enjoyed participating in the event. Each one was well pleased with the Hamfest that was held in OKC, and thought it was well attended and coordinated effort by those in charge. Many educational classes also given during the day.

Jim Hand, W5JWH gave a report of proposed license changes that are being looked at by the ARRL and the FCC. Some discussion on the different classes of licenses and privileges that goes with them. Each one was encouraged to write their feelings by e-mail to the FCC during the comment period this fall. It was noted that those without e-mail privileges should get with other members that have them and they could use send their comments also.

The members looked at the coming of the Mooreland Hamfest on April 2&3 of 1999. Some discussion on the different things that is needed to prepare for this event. The format of the Hamfest will probably be changed some this coming year.

Duane Henderson, KC5NID presented a report on the affiliation of the Tri - State Amateur Radio Group with the ARRL.

The president encouraged those that are members of ARRL to renew through TSARG and those that were not members to join ARRL through the Group.

Gerald, W5AOK said that he had been asked to help with the St. Judes Bikethon in Mooreland on Sept. 20th and needed some help to coordinate the event from the members of the Group. It was voted on and the Group pledged its support to help.

The Group discussed the up coming license changes some more. It was presented that some of the No Code Tech's should study the code this winter. Some indicated that they would try to do that. A class would probably be held this winter for entry level into Ham Radio and some help with the code also. No dates were decided at this time. KC5NID.

The following articles have appeared in the TSARG Newsletter.

The Tri-State Amateur Radio Group preformed the Wouff Hong at Ham Holiday 98'. Those participating were yours truly Gerald Bowman, W5AOK, Jim Hand, W5JWH, Duane Henderson, KC5NID, Jay Kruckenberg, KB5SOO, David Rogers, W5HGH and Larry Goodwin Jr., KC5FYX. We had lots of fun and made many new friends. Many thanks to the five Hams and all the XYL'S who helped with the costumes! Forty - three ARRL Hams were inducted into the Royal Order Of The Wouff Hong!

Gerald, W5AOK

Foxhunt

Tuesday Evening August 11th a Foxhunt was held. The group of hunters gathered at Boiling Springs State Park at 8:00 P.M. Equipment was readied for the Hunt, the beam antennas were set up and on the ready. The information was given out and the Hunt begin in earnest, some pride on the line and others needed to see if they really could be a winner in these events. You need to know that in the past one elite team ended up at McDonalds in Woodward instead of out in the pasture north of Mooreland, so with determination to get it right this time the members of that team was split up. HA!

HA! Well as darkness set in and the different teams moved about through the sand hills north of Mooreland looking for

that ever elusive signal of a hidden transmitter. The tension began to mount, some had to stop and take readings others had antennas mounted to do it all on the move. As all teams arrived in the half mile radius of the Fox, the hunt got in serious. Some almost gave up as the team with the mounted beam on the pickup moved in for the find. Then well they seemed to not be quite on the right track. As the darkness set in real good and it became necessary for a flashlight to see were you were stepping in the weeds, some did not have a flashlight, I think that was the excuse used. Then some laid down the beam antennas and began to use the information practiced during the walking Foxhunts held at the Mooreland Hamfest. Then suddenly one then two found the transmitter hung on to a old windmill tower. Yes I am happy to report that KC5HHB was first, then second W5AOK, yes, yes, when Gerald got away from the dead weight that set him back before, he was right there in the hunt. Well it was a good time and lots of fun for all.

August the 25th brought about another Foxhunt in the TSARG area. This time the hunt was staged near Vici by KC5HHB, Delmer. The information was passed but wait he said he would have to travel to the fox location to turn it on, well as time passed and the stories got bigger, then the word came it was running. As the teams fanned out it was noticed by all that the elusive signal was not there. Some went this way from Vici and others went another way, but no signal. Then the teams were given the parameters of the hunt over the local repeater and things got serious then, there really was a signal, but weak. As the teams begin to arrive at the area of the fox and began to hunt with the rubber ducks and other special equipment, the hour was getting late. After awhile of stumbling around in the darkness and the pasture, it was found. First by KK5XS, Joel out of Taloga, then KC5NID, Duane, then W5JWH, Jim, well where could Gerald be this time. Well to make the story shorter the battery run down on the fox before Gerald found it. The next day, an excuse was offered, as to what I should have done last night. Enough said.

We are all having fun doing foxhunting, balloon chasing etc. The next hunt may be changed to a moving fox then a hidden transmitter much like the balloon flights offer for the hunters.

KC5NID

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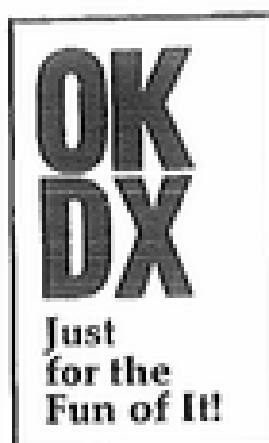
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OKlahoma DX Association

----- FROM THE PREZ -----

by Bruce Burnette, K5PX

Well the talk is everywhere you look, newsletters, internet reflectors, club meetings, repeaters and on HF. No it is not some "Rare" DX station from some remote part of the world. It is not even North Korea suddenly appearing on the air ways. It is the issue of Amateur license restructuring! This strikes terror into most amateurs hearts. What is going on? Who, What, When & Where? It's madness, I learned the code so should everyone else, the ARRL has lost touch with reality (we all know that the FCC did years ago). These are some of the comments that are flying around.

OK, I know, as Bill Clinton stated "I feel your pain." I am concerned too. BUT, I think that we are all "big boys & girls" and I think that most of you can make an intelligent decision based on the facts that are out there, any way I hope you can. I am not going to try to persuade you pro or con. I just wanted to give you some information that is not readily available. Then you make your decision, send your comments to the ARRL and the FCC, and we live with the "hand that is dealt us." I recently found out from an ARRL Director (not ours), that wishes to remain anonymous, and was present at the most recent ARRL Board meeting. The FCC came to the ARRL, unofficially, and told them to come up with a restructuring plan. The ARRL was told that this was going to happen with or without us (the Amateur community). Soooo, the ARRL did the best that they could on short notice. I understand that there was "crying and gnashing of teeth," during the Board meeting. Then came the FCC's proposal, hummm, there was NO mention of Code Changes. An omen perhaps? I don't think so, I think the code requirements will change. I don't know how much, but my instinct says they will. We will all be

dragged kicking and screaming into the 21st century.

OK, you can read the ARRL's proposal at <http://www.arrl.org/news/restructuring>

and you can read the FCC's proposal at <http://www.fcc.gov/e-file/ecfs.html> I urge you to read these two articles and send in your comments! You can send your comments concerning the ARRL proposal to our Division Director, Jim Haynie at w5jbp@arrl.org. your comments to the FCC at

<http://www.fcc.gov/e-file/ecfs.html>

FCC comments are due by December 1, 1998. ARRL comments ASAP.

Remember, if you don't send in your comments, I feel that you have NO right to complain. It is like all the people who never vote, make the most noise about the job the elected officials are doing. Whose fault is that? Can't be the ones who never vote, because they will not take any responsibility, ever! That is it, Political Science 101, from one Amateur's perspective. There are over 600,000 of us out there. Make some noise! Until next time,

THE CONTEST CONTINUUM

Building a Contest Station, cont.

by Coy Day, N5OK

Now! You have all your antennas up, have state of the art equipment and everything is automated, or maybe not. One more thing I would like to address before I close out this series. Since I started this series on building a contest station, I want to stay within those parameters. If you are looking for tips on operating technique, there are many better sources than this writer. I do want to address one final item and that is operator comfort and ergonomics. Many ops put too little time into this consideration. Twelve hours into a contest is no time to find that your headphones are too tight. I've had some nasty headaches from that little oversight. Moreover, you want to look at all aspects of this subject down to the point of whether you wear shoes or not. One word of caution, you don't want to be so comfortable that you are going to doze off in the middle of a contest.

Think about things such as arm reach, leaning over, turning your neck, having to lean your head back because of your bifocals, etc. Always keep in mind how these actions are going to feel after a long session. Wear comfortable clothing. For me that is often a tee shirt and workout shorts. The main factors are clothes that stretch rather than pulling tight and that will absorb the sweat that you generate in the contest frenzy. The heat generated by the equipment should be considered as well. For example RTTY contests are always warmer because of the duty cycle of the equipment.

What to eat and drink is also a major consideration. Try to keep from eating much at one time and keep it light. Having a Pizza fest would not be the smart thing to do as it could cause you to want to take a nap right in the middle of a major opening. Finger food that is easily digested and not too greasy (You don't want greasy fingers on the keyboard, etc.) is suitable since you can eat a little at a time. Also plan what you are going to drink. For some people this is obvious, lots of Dr. Pepper! Be careful, however, caffeine is a diuretic. Some ops drink lots of coffee to keep them awake and then spend too much time traveling to the bathroom. The safest bet is lots of cool water. If you find you are dozing off, splash the cool water on your face.

How your equipment is positioned is critical. Make sure that you position things for minimum movement. Your transceiver should be directly in front of you and positioned so that you can rest your tuning arm and see the settings. If your station is computer controlled make sure that the keyboard is the right height and positioned so that you don't have to turn to the side to operate it. That's why I use a laptop and place it directly in front between the transceiver and me. I keep the screen positioned so that I can see the settings on the transceiver over it. I can control the frequency from the keyboard or reach past it on the right to access the tuning knob. Make sure key and memory keyer or your mike and DVK are close to the keyboard to minimize the motion required to access them. In my case I use the computer to generate the code so I

don't use a key or memory keyer. I have a boom mike or headset with a foot switch for phone and I keep the DVK just to the left of the laptop. Make sure you have the linear, antenna switches and rotor controls within easy reach. I have my linear to the left of the transceiver which makes it easy to access with my left hand. The remote antenna switch and rotor controls are above the transceiver easily accessed. I still have my main antenna switch under the desk which requires me to lean forward and reach underneath. I still need to work on that. It hasn't been a problem though as I don't have to turn it that often.

Note: Make sure that you have the newer type of rotor control boxes that always indicate what direction your antennas are pointed. It's a pain to have to reach up and toggle the switch to make sure what direction it is pointed to find that it is the wrong direction.

One of the most critical items is your operating chair. That's right, your chair. A rare few folks can spend 24 hours in just any old chair. Your chair really needs to enforce proper posture. I don't want to go into too many details because we all have our own preferences. I prefer a solid chair with minimal padding that will keep me setting erect and that I can brace my back against. I also don't like one with wheels or rollers. I want it to stay put where I place it and support me while I operate. You want to make sure that it is at the right height for easy access to the keyboard, transceiver, etc. The main point here is to think about that chair and how it is going to feel after 12 hours or so. Also, don't become one with the chair. If you run into a dry spell calling CQ, take a few seconds while the keyer is running to stand up and stretch.

If you aren't completely computerized and have operations to perform to change bands use a short checklist. Keep it small so that it doesn't get in the way but make sure that it is always visible. I use the back of a business card folded into a tent. I put on it things like: QSY laptop, QSY xcvr, QSY linear, antenna switch, beam heading, antenna tuner, etc. I always run the checklist any time I QSY. It isn't fun to smoke the linear, an antenna, etc.

It is also painful be operating on 40 meters for an hour and find that you have logged them all on 20! No wonder I had so many dupes!

Make sure that other aids such as beam heading charts, contest rules, are close at hand but not in the way. Taping them to slide out desk shelf works very well for me.

So that's about it from here. I have the station all set to go except for that elusive perfect 160 meter antenna. This Fall I'm going to try an inverted "L" as a compromise. If I learn anything interesting in that arena, I may write an addendum to this series. That's it. Good Dxing! Good contesting!

(Club Editor's Note: On behalf of our readers I want to thank Coy for his many, many Contest Continuum articles. They have been a very popular ... OK ... the most popular section of this newsletter! ha This month's article ends Coy's column and Coy will take a well deserved rest. Thanks for sharing all your experiences with us Coy. I'm already looking forward to the 160m experimentation this fall!)

----- DX NEWS -----

• Temotu Province Added to DXCC List

The ARRL Awards Committee has accepted a recommendation of the ARRL DX Advisory Committee to add the Temotu Province of the Solomon Islands to the DXCC List. The addition will be effective with contacts made beginning 23:59 UTC on 31 March, 1998 and after.

The DXCC Desk will accept QSL cards for Temotu Province (H40) beginning October 1, 1998. QSL cards received before that time will be returned without action.

Temotu Province includes the Santa Cruz, Reef, Duff and Vanikolo Island groups. They are located more than 356 kilometers from the main grouping of the Solomon Islands.

----- OKDXA STUFF -----

• Attention! OKDXA Banquet date change!

The 1998 OKDXA banquet date has been changed to October 17. Please mark the new date on your calendar. This will avoid any family obligations with children/grandkids on the Halloween holiday.

• OKDXA Banquet press release forthcoming ...

Jim, K5TT and Mark, N5OG, are currently working on the 1998 OKDXA banquet press release. We will distribute it to the DX world in early September. You will also find it in your September mailout.

• Thanks to K5TT!

I want to acknowledge K5TT's continued contribution to our OKDXA banquet effort. Since the banquet is going to be in the OKC area this fall, Jim volunteered to be our "on-the-ground" coordinator. It is invaluable to have someone like Jim who has the coordination talent and know-how, working behind the scenes to pull off our banquet. Thanks Jim!

• OKDXA Net goes to 9:00 AM

There was no objection to our proposed net time change from 11:00 AM to 9:00 AM, so effective August 1 we started meeting at the earlier time. The propagation is MUCH better, especially here in mid-summer. Join us at 9:00 AM each Saturday morning on 3860 Khz.

• Introducing our new editor

The following is an e-mail sent out to our "on-line" membership by Nelson Derks, KC5QVV. Nelson will take over as our OKDXA editor starting with next month's issue.

I want to thank Nelson for volunteering to take over this responsibility. I don't think that K5PX had to hold the gun on him too long before he relented! ha ha

"Greetings from Sunny Broken Arrow! It's Saturday morning (22 Aug) and I'm listening to the 75 Meter OKDXA Net. If I had a longer wire in the yard I'd key up and say hello, but for now I'm an SWL on 75.

As Mark, N5OG, has just mentioned I'll be taking over the editors spot for the OKDXA section in the C&E starting this

September. When you see Jerry's Kids on your TV you'll know it's time to remember these addresses:

E-mail: kc5qvv@gte.net
(and notice it is quebec victor victor, NOT quebec whiskey)

USPS: Nelson Derks, KC5QVV
13410 South 128th East Avenue
Broken Arrow, Oklahoma 74011

Any articles, blurbs, or words of interest are both welcome and appreciated regardless of length. As those who have read the Broken Arrow ARC HamGram over the past year or so can certify, I am capable of filling endless pages with tall tales and bad puns. It's up to you to offer an alternative. The computer here is a generic IBM Clone running Windows '98 (pray for me!) and MS Office '97 (Word, Excel, and etc.) with the current patches. Chances are I can handle almost anything from an IBM compatible and I know 'fer sure ' you have MS Write if you're running any flavor of Windows. Macintosh files could be iffy, but a straight e-mail message is definitely no problem. For the next month or two if you plan to E-Mail an article by file attach, try to do so well before deadline in case we have to move to Plan B. I suspect in most cases you'll find it's easier to send the article as a straight e-mail message with no text formatting. Just get me the words. I can cut & paste & format on this side with minimal perspiration.

In the meantime, let me say thanks to Mark for his time and effort over the years. I've seen plenty of *C&E* issues where (in my opinion) the OKDXA section was the most informative and interesting. I hope to continue this tradition with informative and entertaining articles which represent the OKDXA in a positive way. After all, what's the point in playing radio if it's not fun, or publishing a newsletter if it's not interesting reading?

Starting next month ... you Work 'Um and I'll Type 'Um ... Deal? 73, Nelson"

• *September is membership drive month*
It is that time of year again! It is time to remind you that you and your money are

needed! ha The OKDXA Associational year runs October 1 through September 30 so we use the month of September as a membership drive. Memberships are due during the month of October and become delinquent on November 1. Our tradition has been to continue sending the *C&E* through the December issue to allow for the procrastination factor! ha

The officers and board have approved our annual mail out, advertising both our membership drive and our Banquet. Look for yours in the mail during the second week of September. We hope each of you decide to be a part of the OKDXA again in 1998-99.

And by the way ... the OKDXA is a Y2K compliant group. About the only thing that will crash when the clock rolls into the second millennium A. D. is my head onto the pillow! ha ha

Thank you for supporting the OKDXA!

• *Thanks for the re-ups!*

Several OKDXA loyalists have gotten a head start on their 98-99 dues! Thanks to the following ...

Calhoun, Charlie K5TTT
Case, Ken K5KC
Case, Lynn W5LC
Clark, Alan N5PA
Derks, Nelson KC5QVV
Doty, Ted AA5CK
Limerick, Jim N5VF
Roderick, Rich K5UR

• *Our 1998-99 officers*

Here is our new slate of officers for our next Associational year, starting October 1, 1998:

President - Bruce Burnette, K5PX,
Vice Pres - Jerry Chouinard, K5YAA,
Vice Pres - Lu Fisher, K5YP, and
Sec/Treas - Mark Byard, N5OG.

We extend our congratulations to the new officers and our thanks to Dave, KD5FX, and Craig, AH9B, for serving last year.

• *1998 OKDXA Banquet!*

Our 1998 OKDXA Banquet has taken form! I am excited to announce that this year's speakers will be Bruce Butler,

W6OSP, from Napa, CA, and our own Frank Smith, AH0W, from Glendale, AZ.

Bruce is the Treasurer of the Northern California DX Foundation and was an operator on the recent Temotu Is. Dxpedition, H40AA. Bruce also coordinated the commemorative QSLs for H40AA which secured donations for the economic development of the Temotu province of the Solomon Is. Bruce will present the H40AA operation and talk about his work in the NCDXF.

Frank has been an OKDXA members for several years. Frank spoke at last year's banquet, showing the slides from the K7K, Kure Island operation. Frank is this year's NOIDXC (New Orleans International DX Convention) "Ham of the Year". Frank will show us his slides of the recent operation from Laos, XW30/XW30A.

This year's event will move back to the OKC area. The River Oaks Golf Club, just a few miles east of the Frontier City Amusement Park, will host our meeting. The date is October 17 and the doors will open at 4:00 PM with dinner at 6:00 PM.

A press release will be mailed out to our membership and all of the DX editors in August. The dress is casual, the food is always great, and the company doesn't get much better! We hope to see you at this year's banquet.

• *New OKDXA web site address*

The OKDXA web site URL has changed reflecting my new e-mail userID. Just drop the "p" out of my call and you have the new URL ...

<http://www.poncacity.net/n5og/okdxa>

• *E-mail update/changes*

Here are this month's changes and/or additions to the OKDXA e-mail list.

Case, Lynn W5LC
CaseLCC@aol.com

If you are a member of the OKDXA and you have an e-mail capability (and you wouldn't mind having it published in this NL) please e-mail it to your Editor, N5OG. Thanks!

----- MISCELLANEOUS -----

• *Lists, lists and more lists!*

If you like internet reflectors and list servers this web site will be your gold mine! Check it out.

<http://www.qth.net/>

• *DX Reflector shuts down ... three step in to fill the vacuum*

Most of you who are on-line probably have heard of or subscribed to the *DX Reflector* which was administered by Lyndon, VE7TCP. Lyndon's reflector was pretty much the defacto DX list and we were all sad to see it fold.

There was much discussion in the week before the shutdown as to who might be interested in taking over the server and the admin job. As a interim stop-gap, Jim, KH2D, started a DX-oriented reflector. He called it the DX-LIST.

The North Jersey DX Association agreed to take over the original DX Reflector and they now call it the DX-NEWS. In the meanwhile Jim, KH2D, decided to keep his going.

Now, into the fray, is an e-mail message from Brian Short, K7ON, thanking many

for supporting a his DX reflector which was evidently already in existence. Brian calls his simply DX.

So instead of 1 (or I guess there were two ... ha) we now have three DX Reflectors!

A fourth which is limited to DXPEDITIONS is also administered by Brian, K7ON.

You can get all the FAQ info and subscribe/unsubscribe to K7ON's DX and DXPEDITION reflectors on the qth.net web site,

<http://www.qth.net>

To subscribe to KH2D's DX-LIST reflector check out this web address,

<http://www.guam.net/pub/midxa/dx-list.html>

To subscribe to the DX-NEWS, administered by the North Jersey DX Assn. send a message to,

listserv@jerseycape.net

and put only the following in the body of the message,

subscribe dx-news

• *WU3V's QSL Reflector shuts down ... another starts*

I think I was the most concerned when I learned that Jim, WU3V, was having to shut down his QSL Info Reflector. This was a tremendous resource with lots of people just waiting to help. Jim's parents are having health problems. They live in Florida and Jim, who lives in south Louisiana, was facing some regular travel to the Sunshine State.

Well, in comes Brian, K7ON, again to the rescue. It seems that there was again, already in existence, a reflector called DX-QSL. And so Brian simply transferred the WU3V QSL Reflector subscription list over to DX-QSL.

If you are interested in this reflector check out the ever resourceful

<http://www.qth.net>

• Be sure to put the new October 17 OKDXA Banquet date on your calendar! That's all for September!

73 de N5OG

Jim Nolen
Enrolled Agent

Jimmie Nolen
Steve Moore

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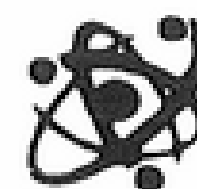
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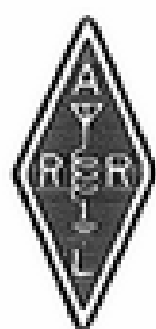
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A. R. R. L. Bulletins

From ARRL Headquarters
Newington, CT
To all radio amateurs

ARRL Bulletin 64
August 28, 1998

Bonnie visits Virginia

Hurricane Bonnie has moved away from North Carolina and now is unleashing her renewed fury on the Tidewater area of Southeastern Virginia. Bonnie was downgraded to a tropical storm Thursday, August 27, and emergency preparations had abated. But the storm picked up steam again as it headed north and regained hurricane status, catching hams and emergency officials off guard. The storm was sitting off the North Carolina / Virginia Border today and was expected to hug the coast on its way to New England.

On August 26, Virginia ARES/RACES activated in anticipation of the storm. Virginia State RACES Officer and ARES SEC Frank Mackey, K4EC, reported that local emergency operation centers were staffed with hams, and many shelters opened in anticipation of evacuations. ARES station W4ZA at the state EOC was activated. As the storm appeared to be losing strength, Mackey reported ham radio operations stood down and shelters were closed. Then, Bonnie changed her mind.

The Tidewater area—including Hampton Roads, Norfolk, Virginia Beach, and Chesapeake—has experienced heavy rain and damaging winds clocked unofficially at more than 100 MPH.

The home of District 9 Emergency Coordinator Cynthia Rohrer, AE4EF, in Chesapeake suffered extensive structural damage, and outbuildings were totally demolished. "It was impossible for her to get out of their residence due to extensive debris," Mackey said. "Damage from

fallen trees and downed power poles appears to be very extensive." He said emergency managers and police were asking people to stay off the streets unless absolutely necessary.

Virginia Electric Power reported more than 250,000 customers without power. Officials closed the Chesapeake Bay Bridge Tunnel due to the strong winds. A roof was reported blown off an apartment building in the Oceanview section of Norfolk.

"The Norfolk area was still reeling under continued battering, higher-than-expected tidal surge coupled with local high tides, and strong winds," Mackey said Friday.

SKYWARN and emergency nets remained active in the region.

Meanwhile, in North Carolina, Section Manager Reed Whitten, AB4W, reports many shelters and EOCs had released their Amateur Radio operators, and HF nets went into standby mode. A few EOCs and shelters remain active, and the Tar Heel Emergency Net (3.923/7.232 MHz) was monitoring for them. The net remained in continuous operation for more than two days, providing communication for Emergency Management and relief agencies.

Bonnie could move into the Northeast by the weekend. Hams in the Southeast have been keeping close watch on Hurricane Danielle, which could arrive August 31.

In Texas, meanwhile, the remnants of Tropical Storm Charley flooded parts of South Texas, leaving much of the town of Del Rio near the Rio Grande under water. At least 15 deaths in Texas and Mexico were blamed on the floods. Del Rio remained under a flash flood warning on Thursday, and President Clinton declared Val Verde County a disaster area.

Among the hams known to be passing message traffic with the Del Rio area was Loyd Overcash, KM5OE, in Houston. In New Braunfels, South Texas Section Manager Ray Taylor, N5NAV, worked with the American Red Cross and the Texas Department of Public Safety to coordinate communication. He also helped

pass health-and-welfare traffic for those with family and friends in the flooded areas.

Hams in South Texas were asked August 24 to cooperate by recognizing a voluntary communications emergency and relinquishing frequencies on 40 and 75 meters for emergency and health-and-welfare traffic. The communications emergency was canceled August 27.

ARRL Bulletin 63
August 26, 1998

Directors, vice directors face competition

Two ARRL directors and five ARRL vice directors face competition this fall for their seats on the ARRL Board of Directors. The contests are in the Central, New England, Northwestern, Rocky Mountain, and West Gulf divisions.

* In the Central Division, for two-year terms: The candidates for director are incumbent Edmond A. Metzger, W9PRN, of Springfield, Illinois; Richard David Klatzco Jr, N9TQA, of Lincolnwood, Illinois; and Henry B. Ruh, KB9FO, of Crown Point, Indiana. Running for vice director are incumbent Howard S. Huntington, K9KM, of Hawthorn Woods, Illinois; and Mike Hoshiko, W9CJW, of Edwardsville, Illinois.

* In the New England Division, for a two-year term: The candidates for vice director are incumbent Michael Raisbeck, K1TWF, of Chelmsford, Massachusetts; and Andrea T. Parker, K1WLX, of Jeffersonville, Vermont.

* In the Northwestern Division, for a two-year term: Running for vice director are incumbent Greg Milnes, W7AGQ, of Hillsboro, Oregon; and Mary E. Lewis, W7QGP, of Seattle, Washington.

* In the Rocky Mountain Division, for a three-year term: The candidates for vice director are current Director Marshall Quiat, AG0X, of Denver, Colorado; and Marvin C. Zitting, W7MR, of Salt Lake City, Utah.

* In the West Gulf Division, for three-year terms: The candidates for director are incumbent Jim Haynie, W5JBP, of Dallas, Texas; and Lawrence S. Higgins, W5UQ,

of San Antonio, Texas. Running for vice director are incumbent Barney J. Boone, KJ5AE, of Dallas, Texas; and current Oklahoma Section Manager Coy C. Day, N5OK, of Union City, Oklahoma.

Ballots will be distributed no later than October 1, 1998, to ARRL full members in the affected divisions on record as of September 10, 1998. Ballots must be returned by November 20, 1998.

Several candidates for director and vice director faced no opposition, and the Election Committee has declared them elected:

* In the Hudson Division, reelected for two-year terms: Director Frank Fallon, N2FF, of East Williston, New York, and Vice Director J. P. Kleinhaus, W2XX, of Cortlandt Manor, New York.

* In the New England Division, reelected for a two-year term: Director Tom Frenaye, K1KI, of West Suffield, Connecticut.

* In the Northwestern Division, reelected for a two-year term: Director Mary Lou Brown, NM7N, of Anacortes, Washington.

* In the Roanoke Division, reelected for two-year terms: Director John Kanode, N4MM, of Boyce, Virginia, and Vice Director Dennis Bodson, W4PWF, of Arlington, Virginia.

* In the Rocky Mountain Division, elected for a three-year term as Director: Walt Stinson, W0CP, of Denver, Colorado (Stinson is the current Vice Director).

* In the Southwestern Division, reelected for three-year terms: Director Fried Heyn, WA6WZO, and Vice Director Art Goddard, W6XD, both of Costa Mesa, California.

Terms of office for successful candidates begin January 1, 1999.

ARRL Bulletin 62 August 26, 1998

Bonnie strikes North Carolina; Virginia awaits its turn

Virginia ARES/RACES has initiated a Level III activation in preparation for Hurricane Bonnie. Virginia State RACES Officer and ARES SEC Frank Mackey, K4EC, reports that many local emergency operation centers have been staffed and many shelters are open in anticipation of evacuations.

The Virginia Department of Emergency Services communication supervisor has asked RACES station W4ZA at the state EOC to activate at 4 PM Eastern Time. The Virginia Emergency Net Alpha frequency will be 3.910 MHz (7.260 MHz alternate). The Virginia Emergency Digital net will be on 145.73 MHz. The Virginia Area A Tactical net (Williamsburg repeater) will be on 146.76 (-600 kHz).

Mackey says Virginia ARES will support the American Red Cross Headquarters Disaster Operations Center. Virginia ARES members are monitoring North Carolina emergency nets and passing pertinent information to the Red Cross via the Internet.

Hurricane Bonnie struck the Wilmington, North Carolina, area Wednesday afternoon. High winds have caused damage to schools in New Hanover County and to a hospital in Brunswick County. Widespread power outages are reported. The New Hanover County EOC was reported to be without commercial power and operating from emergency power.

ARRL Bulletin 61 August 26, 1998

ARES teams deployed for Hurricane
Amateur Radio Emergency Service teams are deployed in coastal Carolina regions as the massive Hurricane Bonnie approaches and Hurricane Danielle gains strength farther out in the Atlantic. Tropical storm-force wind and rain lashed the Atlantic coast early Wednesday as the edge the hurricane reached the US mainland. More than a half million residents and visitors in the Carolinas have been ordered to move inland. Mobile home owners in 44 North Carolina counties have been asked to evacuate.

The National Weather Service hurricane warnings now extend from Chincoteague, Virginia, to Edisto Beach, South Carolina, some 50 miles south of Charleston. The NWS says Bonnie took a more northerly path overnight and now is expected to make landfall between Morehead City and Wilmington, North Carolina, by Wednesday afternoon.

North Carolina Section Manager Reed Whitten, AB4W, says shelters for evacuees are expected to be along the I-95 corridor, well inland. "Our goal is to have at least one ham in every shelter," he said. Hams deployed at shelters will provide communication support and backup, handle outgoing health and welfare traffic, and reassure people in the shelter that they "that they have not lost all communication." Hams working in shelters are advised to be very visible in the shelters for that reason.

Hams are also staffing emergency operations centers in the wake of ARES activations.

The Hurricane Watch Net operates on 14.325 MHz. This is a directed net. Stations should not transmit until invited to do so by the net control station. Hurricane Watch Net members provide ground level meteorological reports to the National Hurricane Center.

ARRL section officials in the affected areas have announced the following regional HF net frequencies to handle emergency-related traffic:

South Carolina: 3.915 MHz

North Carolina: 3.923 MHz (7.232 MHz alternate)

Virginia: 3.910 MHz (7.260 MHz alternate), with health-and-welfare traffic on 3.947 MHz (7.240 MHz alternate).

ARRL Bulletin 60 August 25, 1998

Hurricane and storm Bulletin

The National Hurricane Center reports that a hurricane warning remains in effect from Murrells Inlet, South Carolina, to the North Carolina/Virginia border. As of

1500 UTC, Tuesday, August 25, 1998, Hurricane Bonnie was located near latitude 29.5 N, longitude 75.2 W, moving north-northwest at 16 mph.

More than a quarter of a million residents and visitors have been ordered to leave North Carolina's Outer Banks.

The Hurricane Watch Net will operate on 14.325 MHz. All stations should remember this is a directed net. Do not transmit until invited to do so by the net control station. Hurricane Watch Net members will provide ground level meteorological reports to the National Hurricane Center on 14.325 MHz.

ARRL section officials in the affected areas have announced the following net frequencies in anticipation of possible emergency-related traffic. South Carolina: 3.915 MHz; North Carolina: 3.923 MHz (7.232 MHz alternate); Virginia: 3.910 MHz (7.260 MHz alternate), with health-and-welfare traffic on 3.947 MHz (7.240 MHz alternate).

North Carolina Section Manager Reed Whitten, AB4W, reports that North Carolina's Amateur Radio Emergency Service (ARES) has been asked to activate. An Amateur Radio station is being set up at the National Guard Armory in Kinston to provide backup communication for the state Division of Emergency Management. An amateur station at the state EOC in Raleigh, North Carolina, will be staffed within the next few days.

ARRL Bulletin 59 August 24, 1998

Voluntary Communications Emergency Declared

Due to severe flood conditions in Southern Texas, all amateurs are requested to cooperate by recognizing the existence of a Voluntary Communications Emergency and therefore relinquishing the use of frequencies 7285 khz (Emergencies) and 7290 khz (Health and Welfare) during the day and 3873 khz (Emergencies) and 3935 khz (Health and Welfare) during the evening hours. The frequencies are to be

cleared within 3 khz either side of each frequency. The Communications Emergency is expected to last at least 48 hours.

ARRL Bulletin 58 August 18, 1998

Section Manager election results

Kevin M. "KB" Bunin, K4PG, has been declared elected as Southern Florida Section Manager. Bunin, who lives in Delray Beach, topped a field of three candidates for the post with 827 votes. Ed Petzolt, K1LNC, got 691 votes. Neil H. Lauritsen Sr, KA3DBK, got 400 votes. Ballots were counted August 18 at ARRL Headquarters.

Candidates in nine other ARRL sections ran unopposed and were declared elected. They are:

In the Connecticut Section, Betsey Doane, K1EIC.

In the Idaho Section, Michael Elliott, KF7ZQ.

In the Minnesota Section, Randy Wendel, N0FKU.

In the North Dakota Section, Roger Kurtti, WCOM.

In the Oklahoma Section, Coy Day, N5OK.

In the Ohio Section, Joseph Phillips, K8QOE.

In the Puerto Rico Section, Raul Escobar, KP4ZZ.

In the Virgin Islands Section, John Ellis, NP2B.

In the Western New York Section, William Thompson, W2MTA.

All elected candidates take office October 1, 1998.

Vermont got a new section manager on August 14. Bob T. DeVarney, WE1U, of Milton, succeeds Bernie Capron, N1NDN, who stepped down.

ARRL Bulletin 57 August 11, 1998

FCC proposes to streamline amateur rules

The FCC has proposed to phase out the Novice and Technician Plus class licenses, leaving just four amateur license classes in place--Technician, General, Advanced, and Extra. The Commission also has asked the amateur community to express its opinions on Morse code requirements for licensing and testing, but offered no specific changes. And the FCC proposed to permit Advanced class licensees to administer amateur exams up through General class. The proposals were among several suggested rules changes and invitations to comment contained in an FCC Notice of Proposed Rulemaking, WT Docket 98-143, made public August 10.

In proposing to phase out the Novice and Tech Plus tickets, the FCC said "there appears to be an unnecessary overlap between the Novice, Technician, and Technician Plus license classes." The FCC also said that Technician and Tech Plus operators "predominantly" use FM and packet on VHF and UHF. In addition, the FCC said Novice applicants last year numbered fewer than 1000, while there were nearly 21,500 Technician applications.

Under the FCC plan, Novice and Tech Plus licensees would retain current operating privileges, but no new Novice or Tech Plus licenses would be granted. For examination purposes, current examination elements 2 and 3A would be combined into a new element 3A. For administrative purposes, the FCC would combine the current Technician and Tech Plus databases into a single Technician database. The proposal would eliminate the 5 WPM code test, Element 1A, as a required element for any class of license.

The elimination of the Novice and Tech Plus license classes would effectively raise the bar for future applicants desiring to gain HF operating privileges, unless the FCC ultimately reduces Morse code testing requirements. Since the General class license would become the entry-level HF ticket under the FCC's proposed rules,

applicants would have to pass at least the 13 WPM code test.

The FCC did not propose to change any operating frequencies or license privileges for amateurs. However, the FCC does seek comment on the disposition of the current Novice HF bands, which carry a 200-W output power limit for all licensees. The FCC invited comment on whether it would be "appropriate" to delete the Novice bands and the power restrictions on higher-class licensees and permit Novices to operate CW anywhere on 80, 40, 15, and 10 meters at 200 W output.

The FCC opened the door to comments on all aspects of Morse code testing from the amateur community. In particular, the Commission said it wants to know if hams prefer the current three-level system or would like to see it reduced to a one or two-tier system--and, if so, at what required speeds. The FCC asked whether hams would be willing to trade a reduction in Morse code requirements for additional written elements on newer digital technologies "which, in part, are replacing the Morse code." And, the Commission asked whether it should consider specifying Morse code examination methods, such as fill-in-the-blank or one minute of solid copy, instead of allowing VEs to determine the testing method.

In a related issue, the FCC also seeks comments on how to deal with potential abuses of the current disability waiver for higher-speed Morse code tests. In RM-9196, the ARRL had asked the FCC to require anyone applying for an exemption pursuant to a doctor's certification to first attempt the higher-speed test before examination credit could be given. The League also asked that VECs have access to relevant medical information from the certifying physician. The FCC said the ARRL's proposal would place "an unfair burden on examinees" and raised serious privacy and confidentiality issues.

The FCC went along with an ARRL petition and proposed allowing Advanced class hams to be eligible to prepare and administer license examinations up

through General class under the VE program. The Commission said the change would permit greater testing opportunities for hams. The FCC also invited comments on whether it should change written examination requirements "to provide VEs and VECs additional flexibility in determining the specific contents of written examinations."

Referring to yet another ARRL petition, RM-9150, the FCC invited comments on how it can improve its Amateur Radio enforcement processes. The FCC applauded the ARRL "for its creative thinking" in that petition, but said the specific proposal was "inconsistent" with the current statutory role of administrative law judges. The FCC raised the possibility of encouraging complainants to include a draft order "to show cause to initiate a revocation or cease and desist hearing proceeding." The FCC said it also wants to hear how it can better use the services of the Amateur Auxiliary in beefing up enforcement.

The FCC proposed to phase out Radio Amateur Civil Emergency Service, or RACES, stations by not renewing their licenses. No new RACES licenses have been issued since 1980, and only 249 valid licenses remain. The FCC said RACES stations no longer are needed because any amateur station that has been properly registered with a civil defense organization has the same privileges as a RACES station.

The FCC also took the occasion to clarify the definition of "power" as used in the RF exposure table in Section 97.13(c)(1). The FCC said it refers to peak envelope power (PEP) input to the antenna. It also made clear that no one holding an FCC-issued ham ticket may apply for a reciprocal permit for alien amateur license.

The FCC set a longer-than-normal comment period. The deadline for comments is December 1, 1998. The deadline for reply comments is January 15, 1999. The FCC will accept electronic comments via the Internet at <http://www.fcc.gov/e-file/ecfs.html>.

A copy of the complete NPRM has been posted on the ARRLWeb page, <http://www.arrl.org>. The FCC NPRM can also be downloaded from the FCC Web site in Word Perfect 5.1 and Text versions as:

<http://www.fcc.gov/Bureaus/Wireless/Notices/1998/fcc98183.wp>

<http://www.fcc.gov/Bureaus/Wireless/Notices/1998/fcc98183.txt>

respectively.

ARRL Bulletin 55

August 7, 1998

FCC's streamlining proposals due out soon.

The ARRL has learned that the FCC very likely will release its anxiously awaited "streamlined" Part 97 Amateur Service proposals sometime during the week of August 10. The document, part of the Commission's 1998 Biennial Regulatory Review, was adopted July 29, but it's undergoing some last-minute tweaking prior to public release. Editorial fine tuning like this following FCC adoption of a document is part of the normal process and not considered unusual.

Details of the FCC's license restructuring or Morse code testing proposals still are not available. The Notice of Proposed Rulemaking (NPRM) will carry WT Docket No. 98-143. It's expected that the FCC will use the NPRM to respond to some outstanding amateur rules-related petitions, including RM-9196, which proposed changes in the administration of CW tests to handicapped individuals. The ARRL will release details of the NPRM via a W1AW bulletin and on the ARRLWeb <http://www.arrl.org> as soon as the information is available. It's expected that the FCC will post the complete set of proposals on its Web site, <http://www.fcc.gov>.

Word is that the FCC will provide an extended period—something longer than the typical 30 days—for the amateur community to voice its comments on the proposals, and additional time also will be provided for reply comments. The ARRL released its own Amateur Radio licensing restructuring plan last month.

Up Coming Events

September 12, 1998 Central Missouri Radio Assn., Columbia, MO Perry Ogletree, N0NMC PO Box 283, Columbia, MO 65205-0283 E-mail: cmra@qsl.net - <http://www.qsl.net/cmra>

September 13, 1998 O.A.R.S. Hamfest Monett, Mo. City Park. Sponsored by the Ozarks Amateur Radio Society

Sept. 19 1998 Shattuck Oklahoma The Great Plains Radio Club Ham Fest email me for info donald@ptsi.net
CANCELED CANCELED

October 2-3, 1998 NWAARC Hamfest for 98. at the Jones Center For Families in Springdale AR. e mail me at shyde3@juno.com for more information or call 501-524-4797

October 3, 1998 Kansas State Convention, Wichita, KS Stan Weir, KB0SHB 132 Anita Dr., Haysville, KS 67060-1114 316-524-2568 E-mail: kb0shb@juno.com <http://www.feist.com/~warc>

October 23-25, 1998 Texoma Hamarama, Kingston, OK Herb Sleeper, WB5PHM 8144 Carriage Ln., Wichita Falls, TX 76306-4115 Phone: 940-855-5820 E-mail: retmarine@cst.net
www.qsl.net/KC5SIG/HAMARAMA

ANNOUNCEMENTS

VE exams on 3rd Monday of each month sponsored by C.O.R.A. 1800 @ Salvation Army HQ at NW 50th and N. Penn, Oklahoma City.

VE exams on 3rd Saturday of each month are held at 0900 at Southern Temple Baptist Church, 1821 S High, OKC. Talk in on 146.76 MHz. For more information contact Audie, AA5GB @ 799-9916.

VE exams by appointment only on 4th Tuesday of each month at 1800 in the Shawnee Public Library, 101 N. Philadelphia. Call J. W. Drummond at 275-3935 for more information.

VE Exams 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 sponsored by SCARS are held at 1000 at the American Red Cross in on Westheimer Airport in Norman. Contact Jim Copeland, NW0K at 329-1681 for more information.

VE exams on 4th Tuesday of even months are held at 1830 at the Altus Vo-Tech in Altus, OK. Contact George Mateyo, N1GM for details.

VE exams on the 2nd Sunday of odd numbered months sponsored by the Stillwater ARC at 1500 in the OSU Engineering North Building, Room 316. Contact Ken, K5KC (405) 377-7586 for details.

VE exams on the 1st Saturday of each month at 1430 in the Vinita City Hall sponsored by Northeast Oklahoma Radio Assn.

VE exams on the 1st Sunday of each month at the American Red Cross 6th and Lincoln for more information call Jim, N5BEQ at 232-2299.

On the Air

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

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

6 meter check in 52.525 Mhz simplex

Packet check-in on 145.07

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

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

HF 3900kHz; Packet 145.07

AMTOR @ 8:30 a.m. 14.064mHz

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

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

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

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

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

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

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

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

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

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

Oklahoma Section Net - Daily @ 0030Z on 3692.5 kHz.

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CORA Events

September 1998

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|--------------------------------|--|------------------------------|------------------------------|--|------------------------|--|
| | | 7:00PM Lawton/Ft Sill ARC | | 7:00PM Aeronautical Center 7:30PM Cimmarron ARA | | 9:30AM BAAARC VE Testing 10:00AM Ada ARC 2:30PM Vinita VE Exams |
| 2:00PM American RC VE Exams | 9:30AM Broken Arrow ARC | 7:00PM Altus AARC | 11:00AM Oklahoma VHF Club | 7:00PM Tri-State ARG | | 9:30AM South Canadian ARS 10:00AM SCARS VE Exams 3:00PM Stillwater VE Exams |
| 2:30PM Wheatstrow ARC | | 7:30PM OCAPA | | | | 9:00AM Southern Temple BC VE... |
| 2:00PM Edmond ARS | 6:00PM CORA VE Exams 7:00PM Choctaw ARC | 7:30PM CORA | | | 5:00PM C&E Deadline | |
| | 6:00PM Shawnee VE Exams | | | | | |