

Collector & Emitter

Central Oklahoma Radio
Amateurs, Inc. Publication

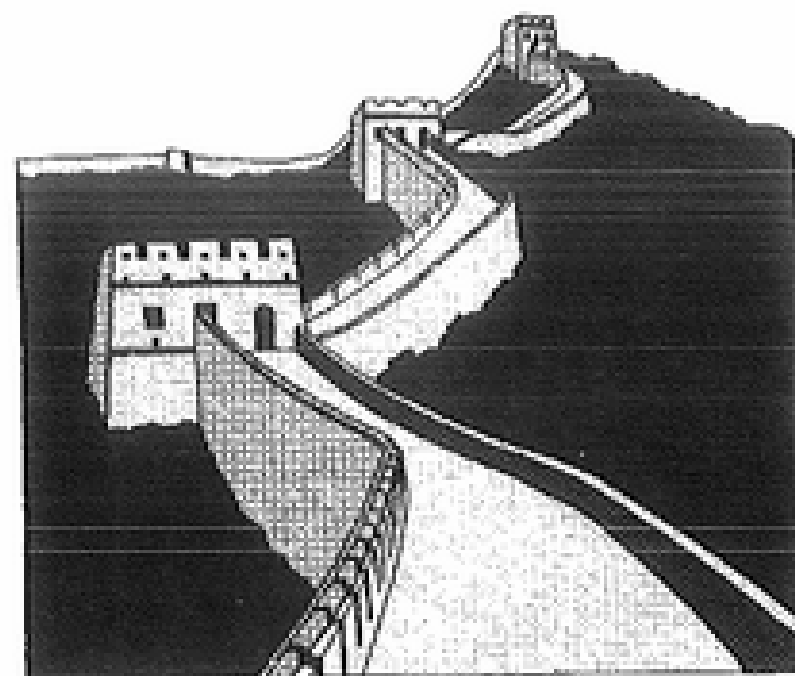
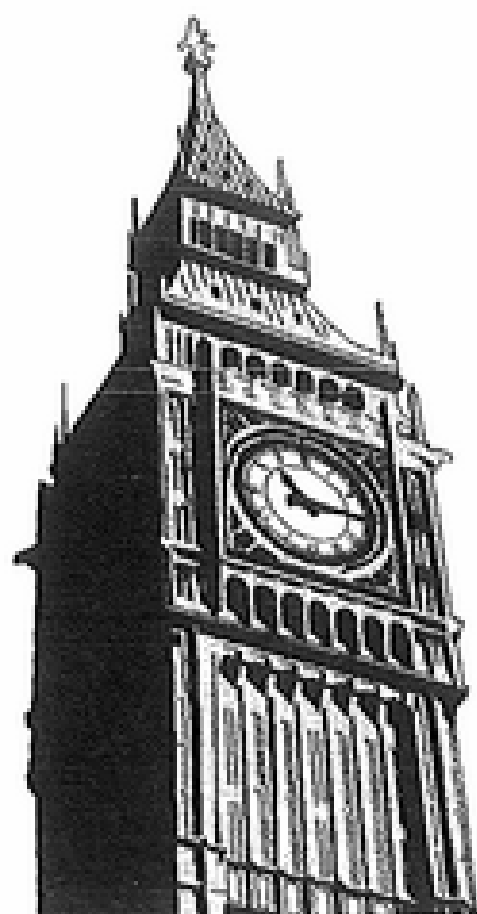
November 1998
Volume 24, Number 11
Issue 285
50¢

Postmaster See Page 2
For Postal Information

Periodical Mail

CQ Jamboree

Ham Radio Word Search



Phase 3D Undergoing Tests

German Hams Fearful

FCC Cracks Whip

Collector & Emitter**Harold C. Miller, KB1ZQ****Editor****Linda G. Miller, N1LPN****Circulation Manager****Central Oklahoma Radio****Amateurs, Inc.****President: Harold Miller, KB1ZQ****V Pres.: Tom Webb, WA9AFM****Secretary: Forrest Rush, N5VWF****Treasurer: Perry Jenkins, N5PJ****Web Page -****www.geocities.com/heartland/7332**

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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.

November 1998**VOL. 24, No 11, Issue 285****Collector and Emitter****(USPS 116-150)**

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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:	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: ke5orp@juno.com
2. Oklahoma Central VHF ARC Meets: 1100L, 2nd Wednesday, Home Town Buffet, 3900 NW 63 rd , Oklahoma City Charles Greene, WA5JGU 943-5631 VP: Bob Ashby, W5HXL 942-5375 Sec: John Dome, KB5WVE 842-3493 Treas.: Jim Speck, W5AI 842-3055 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 Painton, WK5V 580-764-3599 Treas.: Nadine Painton, N5FMH 580-764-3599 Editor: Kenneth Monahan, KB5SOM
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	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
6. Altus Area Amateur Radio Assn. Meets: 1900L 2nd Thursday, Southwest Area Vo-Tech Center, 711 W Tamarack Altus, OK Pres.: Ron Hughs, KB5UVC 580-482-7994 VP: Bob Casey, KC5CNC 580-482-7437 Sec: Ron Roman, KC5CYW Treas.: Doc Barker, KM5IO 580-726-3623 Editor: Alan Snider, KD5COH Unlisted	16. Broken Arrow ARC Meets: 1830L, 1st Monday, Broken Arrow Community Center, 1500 S. Main, Broken Arrow, OK Pres.: Jeff Seoville, KC5RTH 918-251-0132 VP: Bruce Bumette, K5PX 918-455-2599 Sec: Joe Horn, KC5VPO 918-451-0028 Tr: Harlan Kinney, K9GDK 918-251-2672 E-mail: w5bbs@juno.com
<p align="center">Your Club's Information</p> <p align="center">Could Be Here.</p> <p align="center">Ask About Joining CORA!</p>	
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: Treas.: Ron Ernest, WB9DAF 769-3207 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, WA5PFK 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 Bumette, 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	Central Oklahoma Radio Amateurs Meets: 1930L, 4th Tuesday, Salvation Army Bldg NW 50th and Penn, OKC (BackDoor) Pres.: Harold Miller, KB1ZQ 672-7735 VP: Tom Webb, WA9AFM 737-6712 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 December 1998 Issue of *Collector and Emitter* is Friday, November 27, 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.

Minutes of the CORA meeting for October 31st, 1998

The meeting was opened by the president of CORA, Hal Miller, KB1ZQ. There were five directors representing four clubs as well as all officers of CORA.

Old Business:

The minutes were added to reflect financial decisions made last month. It was decided to place \$1,500.00 in the Scholarship fund. It was also decided to move \$1,000.00 from the Ham Holiday Fund to the C&E fund.

Secretary's Report:

The Secretary's minutes were accepted with corrections.

Treasurer's Report:

The Treasurer's report was accepted.

President's Report:

The President reported that CORA earned under \$25,000.00. That means that CORA will not have to file Federal Income Tax this year.

Certificates of Deposit:

Jay Lytle was appointed to get information regarding 6 month CD's. When Jay reports next month, CORA will decide whether to buy one or not.

C&E Report:

The C&E has not changed its rates since the early 90's. We have seen several postage rate increases as well as printing rate increases. The present rate is 40 cents a month. Talk it up and let your CORA director know what you think.

The Editor of the C&E wants the December Issue to be a **HOLIDAY ISSUE**. Articles, funny stories, recipes, anything that you would like to share concerning the holiday season.

New Club:

The Enid Amateur Radio Club has voted to join CORA effective January 1st, 1999. CORA had previously voted to accept the ENID ARC. Welcome Back!

Ham Holiday Date:

CORA will try to get the Oklahoma State Convention for 1999. We will also get ARRL sanction for HH 26, which will be July 23-24, 1999. Mark your calendars!

Commemorative:

Start thinking about the kind of commemorative items CORA should have for HH 26.

Next meeting:

The Next Meeting will be held at Salvation Army Divisional Headquarters at NW 50th and N. Penn in OKC. The meeting will start at 7:30 PM on November 24, 1999. See you there.

Respectfully submitted
Forrest Rush, N5VWF
CORA Secretary

CORA VE Session

The October edition of the CORA VE session was held on Monday, October 19, at the Salvation Army OKC location near Penn Ave and Northwest Expressway. Gee, what a beautiful day it was indeed. The sunny skies and pleasant temperatures served to restore some faith in Mother Nature. All hands were on deck and ready to start testing at the scheduled time of 6:00 PM. Results from the October session are as follows:

Elements passed: 1
Elements taken: 3
Upgrades: 0
Taking Exams: 2

Mr. Greg Jensen passed the General written theory. Congratulations to him! We look forward to seeing Greg at future test sessions to continue his upgrading process. Greg and others will have two opportunities during November to take CORA VE tests. On Sunday, November 8 at 2:00 PM a special edition of testing will be held in Edmond at the downtown community center. The community center is located at 28 East Main. This test session is being offered in parallel with the

EARS licensing classes. All test elements will be available.

The regular session of CORA VE testing will be conducted on Monday, November 16 at 6:00 PM. Location is the Salvation Army Divisional Headquarters. Sure hope to see plenty of applicants at both sessions. So..... plan your study time and come be a part of these opportunities. Thanks to the CORA team for its continued support of Amateur Radio testing. Also, a tip of the hat to the gang for offering the test session in Edmond.

73 de John, WB5SYT

P.S. Mighty big welcome to the Broken Arrow club for becoming a CORA member club! Your club activities appear dynamic with great articles in the *Collector and Emitter*. Thanks for being a part of us.

Chit-Chat

By Linda, N1LPN

"ONLY IF..."

"Mom, Billy's dog just had puppies! Can we have one when they get older?" the bight eyed 7 year old asked as mom picked her up from childcare.

"Look, you know your father and I both work full time and no one is home to care for a puppy. They tear up things, mess in the yard and require a lot of care and attention. We just don't have the time," Stated the mom.

The 7-year old girl's eyes started to cloud but she was not willing to give up the fight. She knew that her mom would give in with time, her mom always said 'no' to her wants the first few times when asked. She knew if she kept begging for the puppy, mom would say 'yes' just to get her to be quiet and to have peace.

Eight weeks later, the family became owners of a new puppy and took it home. Inside the house the carpets were a cream color; the furniture was the best money could buy, the house was a showcase. They had maid service, which came once a week. The puppy never had a chance. Neither parent actually wanted it and had made it clear that the little girl would be

totally responsible for the care of her puppy.

She had never cared for anything in her very short life and her parents were always too busy to ask for help. When they were not busy, they refused to have anything to do with the puppy. As the weeks turned into months, the girl came to see the little guy as a burden and no longer fun to play with. It was put outside but would cry and bark throughout the night, making everyone grumpy and angry.

Four months later, the little girl had begun to hate the dog and asked her dad to get ride of it, she no longer wanted it. Both parents were relieved, they felt their daughter had learned a lesson in life but at what price. No one thought of the poor little dog, he was a living, breathing creature and had done nothing wrong. The dad took the unwanted dog to a neighborhood on the other side of town, shoved it out the door and drove away.

Now, the little guy was alone in this world. He was not trusting of anyone. He had given all of his love to a family who never noticed he had feelings. He had been hurt to the point of not wanting to have any form of human contact. He learned to eat out of garbage cans and to sleep where he could. Many angry people chased him off of their property.

A man with heart problems and all alone during the day, spotted the dog a few weeks after it had been abandoned. He had nothing else to do so he tried to make friends with this dog. Each day he would sit in his yard with a dish of food by his chair and talk to his new found friend, a very scared half grown puppy.

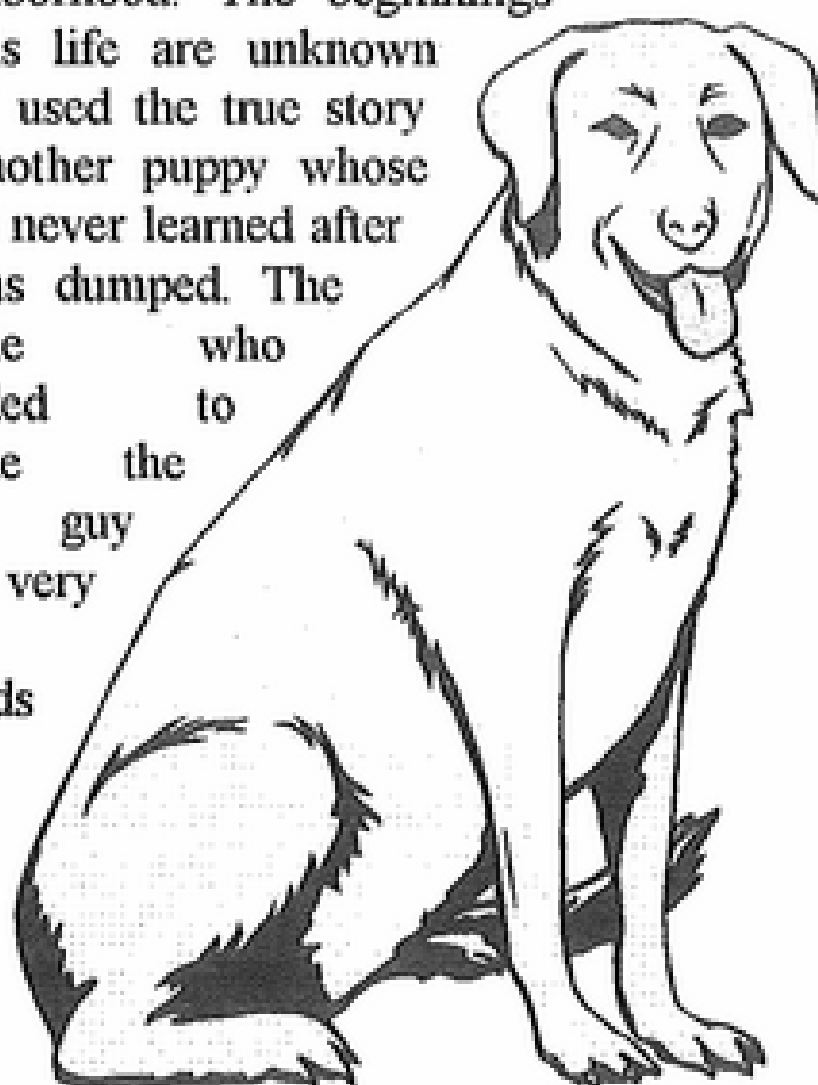
The man asked his wife if they could keep the dog and she said 'no,' they had four dogs already! He agreed with her but continued his daily visits with the little stray dog. This went on for about a month before the dogcatcher picked up the dog. The man saw the dog being taken away. The man had to save his friend and knew of only one way. He called his wife and asked, "Are you still set against having another dog? If so, you will be happy to know the dog catcher just took it to the pound and it will be dead in three days." He hung up before she could answer.

She called her son at his work and said, "we need to go rescue a dog from the pound, meet me there in 20 minutes."

It cost them \$48.00 just to get the guy released into their care. They were fined for not having rabies tags on the dog and were given a ticket for violated the city leash law. When everything was paid for, the dog cost them over \$300.00 including vet bills and court costs.

The dog has a new home and is as happy as can be. He is loved and well cared for and somehow seems to sense how close he came to being killed as an unwanted pet.

*This story was written about a real puppy someone got and later dumped in a neighborhood. The beginnings of his life are unknown but I used the true story of another puppy whose fate I never learned after it was dumped. The people who decided to rescue the little guy are very dear friends of



mine.

They have a house full of pets, 3 cats and now 5 dogs! They, just as the people who had deserted the dog, had hoped someone would take him in. No one did and like too many other throw away pets, its' fate was to be death. The cost of saving the dog was small compared to saving its life.

The holidays are just around the corner and many times people will give an animal as a gift. Pets take commitment, they need to be cared for and loved. In return for your investment, the rewards are unlimited. Never give a pet or bring one into your home unless you plan to keep it for life. They are breathing living beings, not something to be thrown out like trash just because you get tired of them. Owning a pet can be a challenging endeavor but the

good times always out weighs the bad moments.

Sorry to get on the old soapbox, I feel very strongly about life, all forms of life, life is a very fragile gift. It is very hard to understand how people can abuse animals without a second thought. (The title for this story is from a song by ENYA. It is one of her stronger worded songs. I felt the song was very appropriate, one of the verses, which stand out, is 'only if you want to you will find a way...')

NILPN

Help Needed!!!

A Plea for help is being formally sent out to all. Our next issue of this newsletter is our Holiday Special and we need your help. We need stories that will bring a smile and stories that will touch the heart. We need Recipes to share with others. We feel that the greatest gift a person can give is one from the heart, a gift that can not be bought. We have tried to make this newsletter a median for hams sharing with other hams. So, please send in your articles, stories and recipes to me before Thanksgiving. E-mail: nilpn@swbell.net or mail it to me: C&E 4216 Spiva Dr. Del City, OK 73115-4424. You can also give your articles, stories and recipes to your club reporter and they can forward them to me. Thanks in advance for the help...

Here is a simple recipe for those who always thought homemade Cranberry Sauce was something only grandmother could make. Don't settle for the store bought canned stuff this Thanksgiving, make it from scratch. Recipe is for the microwave and can be cooking as the turkey is being craved.

Cranberry Sauce

2 cups sugar
½ cup water
1 lb. Whole Cranberries fresh or frozen

In a 3-quart casserole dish stir all ingredients together. Cover. Microwave on high (10) for 18-20 minutes, stirring after ½ time. Serve warm or cold. This will keep up to one month well covered in the refrigerator.

Until next month...

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

D'X FILES

Episode Two: Propagation Beyond All Expectation...

Continued from Part 1 (C&E, Oct. 1998)

Data poured in from the array. Xander brought the H-P Super Mini on-line to see what, if anything, he was receiving. After a few minutes that seemed like hours, the master console monitor began tracing an energy dispersion spectrograph display which looked remarkably like the lines of force in the earth's magnetic flux. Remarkably detailed, swirling eddy's and vortexes could be seen near the core... A closer look revealed small, but distinct, spikes of energy in a non-random pattern riding on some of the longer flux fields.

As Xander studied the results of the first data search an alarm sounded... The heat sensors on the drive motors operating the antenna array were reporting a sharp temperature increase far greater than could be explained by a mechanical problem. Xander feared the array might be on the verge of going into spontaneous cold fusion, much like his prototype had done, but on a larger and far more dangerous scale.

In a moment civilization may never fully appreciate, Xander terminated the search sequence and commanded the array to return to the omni-directional position. The temperature sensors responded by showing a halt in the temperature rise. Had Xander hesitated for a moment longer, the drive motors might have failed with catastrophic results. Within minutes the array could have reached fusible potential and gone Super-Nova with a release of energy so profound it would surely have caused the end of our solar system as we know it.

Once Xander was confident the energy levels within the large array had stabilized, he began research on what might be causing the cold fusion problem.

For several hours his investigation revealed nothing, but then, in one of his famous Blinding Flashes of Inspiration, he realized he might have achieved a phenomenon considered impossible...

Passive Sub-Atomic Amplification.

As many technically astute *C&E* readers are aware, almost all antennas display a significant change in electrical properties at resonance. In a perfectly matched antenna, radiation efficiency increases exponentially as resonance is approached. RF radiates freely from the antenna at resonance with no power reflected back into the transmission line. This is true for a relatively narrow range of frequencies.

If an array of elements could be tuned for impedance rather than frequency, much like Xander's design, might the elements achieve a symbiotic efficiency capable of reaching a second, and higher, level of sub-atomic resonance over an infinite range of frequencies? If possible, would reciprocity allow the same phenomenon to amplify a transmitted signal as well? If so, could the secondary resonance become strong enough to collapse the particles within the array and cause the cold fusion he had observed? If true, could a practical antenna operate without any risk of spontaneous fusion caused by signal regeneration near the molecular level? If anything, this was certainly intriguing...

Xander took a moment to ponder this. His theory was contrary to the current laws of Physics. But, despite a plethora of doubts, he had a prototype sitting in his lab that consistently demonstrated the textbook definition of cold fusion when adjusted near optimum gain. The large subterranean array was less prone to this phenomenon since the signals that could excite the array into passive amplification

were far weaker. But, when you consider the RF environment of the lab prototype, it's little wonder it behaves as it does...

Xander decided further research was warranted. Building a miniature version into a 4" x 6" x 2" bakelite project box, he motorized the internal tuning elements and designed a STAMP processor capable of auto-tune control. After mounting the assembled antenna on a broom handle lashed to a fence post, he ran the power and coax feed cables back to his shack. At first, receive levels were extremely poor as he tuned around 20 Meters. Adjusting his transceiver to the lowest power setting of 5 Watts out, he keyed a single 'dit' to initiate an auto-tune sequence. Receive levels immediately improved to an average of 90 dB over S-9 across the band. With severe front-end overload caused by strong signals making any hope of a QSO impossible, he inserted a 60 dB attenuator in line. This cured the overload problem, but his transmit signal was down 60 dB as well. Xander decided to key a CQ with only five microwatts being fed to the antenna...

Now, many of you won't believe Xander created a pileup running five microwatts and earned DXCC / CW in less than an hour on the air... And you'd be right...

It took 73 minutes and the pileup was so thick you could almost walk on it. Apparently the miniature antenna was capable of radiating "A Manly Signal". Xander was duly impressed, especially since he'd limited this design to less than 25% of maximum radiation efficiency.

As a final test, Xander built a simple SSB transceiver consisting of a diode ring and 16 pole crystal filter. It was essentially an SSB crystal receiver with a transmitter output approximately equal to the power

generated by a non-amplified D-104. The rig needed absolutely no external power. Since the antenna had been optimized, Xander disconnected the controller and now had a completely passive transceiver and antenna. As expected, the level of performance was far less than what he had experienced earlier.

Xander qualified for Worked All States / SSB in less than three hours, but had to repeat his call phonetically to the KH6...

After documenting his experimentation with the miniature array and naming it the "Broadband Ultra Linear Loaded Symbiotic Hyper Impedance Trans-conductor" antenna, Xander returned to his goal of probing for electromagnetic evidence of an ancient civilization... It is truly a pity the design of this antenna can never be released for Amateur use since it is not only a fine instrument of Mass Propagation, but it can easily become an instrument of Mass Destruction. Field Day would never be the same if *QST* published it...

Xander powered up the large array control system and re-calibrated it for reduced maximum gain. All parameters returned a nominal response well within safe limits. As before, the system plotted the magnetic flux fields within the earth's core and a non-random pattern of energy 'blips' were observed, much like the spikes on a spectrum analyzer. The data interpolation subroutine revealed a definite pattern to the energy riding on the flux field. Unfortunately, there was no evidence of coherent modulation. Then... In yet another Blinding Flash of Inspiration, Xander realized the grouping of these energy spikes may in fact be an advanced form of modulation.

Processing several minutes of data for recurrent patterns, the results suggested the energy spikes might be a form of digital modulation 1024 bits wide with quad-state bits. While not a conclusive finding, this could be a very sophisticated communication technique well beyond our current technology. Doing a bit of mental math, Xander realized the range of possible values of each Byte was a very large number approaching infinity. Or, to be precise, 4 to the 1024th power...

Xander discovered he could selectively tune thousands of discrete data clusters by adjusting the impedance setting of the array. This took time to comprehend, as we're used to thinking in terms of a signal having a carrier frequency with a bandwidth determined by the modulation. In this case, the bandwidth of each cluster was almost infinite, but the impedance of the propagated energy was very concise. If the data format was as he suspected, each cluster could carry an enormous amount of data at incredibly high speeds.

With virtually unlimited bandwidth, the demodulated signals could easily be high-definition video, audio, or pure data. No doubt this task would press the limits of Xander's computers and, perhaps, his comprehension.

The following day, Xander discovered something that puzzled him... While his attention was focused on the signals, he failed to notice they originated 15 degrees East of where he expected them to be. This put the source somewhere under the Sea of Japan instead of central Siberia. Was this significant?

In another Blinding Flash of Inspiration, Xander realized the signals were indeed riding on the magnetic flux instead of propagating from a source location. This concept is so ingenious it suggests intelligence far beyond our own. Instead of forcing a signal through the earth, this method relies on the circulating flux to carry the modulation with remarkable efficiency. The array had locked on to the parallel lines of force, not a location.

To understand the potential uses of this concept, imagine the old trick of putting a note in a bottle. While there's no telling where an ocean may take the note, a river has a definite path. If the flux is like a magnetic river that flows in a loop from pole to pole, it can be a useable medium. Consider another scenario. If the lines of force within the flux fields are taut like a guitar string, plucking the string anywhere causes the string to vibrate everywhere. It's quite a concept...

Xander moved the miniature transmitting antenna from the fence post to the center of the large array. A one-watt variation of

a function generator was bolted to the antenna creating a broadband transmitter capable of taking his research to the next level. If his assumptions were valid, he'd devised a simple transceiver capable of a QSO with our most ancient relatives...

Adjusting the data interpolation display for a selective view, Xander was able to concentrate his attention on several active data clusters. He keyed the transmitter for a moment to 'spot' the impedance of his signal, then QSY'd onto one of the active data clusters. A quick keying showed no effect, so he transmitted a binary file from the system directory of a Windows '98 workstation. If anything could disturb a stream of coherent data, it would be a .DLL file from Microsoft... There was no apparent effect. He keyed the transmitter again, then noticed a data cluster six impedance steps up from his transmitter was showing definite signs of QRM...

Of Course! It was so simple once he understood the 'bandplan'... With almost infinite bandwidth, it made perfect sense to run a full duplex split. His transmitter could indeed be tickling the input of some distant repeater. The only way to find out was to walk the band, in a sense, and 'kerchunk' the flux. But, with no means of interpreting the received data, he would be like a CB'er bootlegging on Ten Meters during a band opening. He could get a signal out, but with very limited operating techniques or ability to QSO...

As Xander pondered the received data, and stared deeply into the spectrographic display, a strange melody, unlike any music he'd ever heard before, repeated endlessly in his mind...

The QSO is out there.

Contents Copyright 1998
by Nelson Derks - KC5QVV
"Illegitimus Non Carborundum"
Ipso Facto



Oklahoma City Autopatch Assn.

OCAPA Minutes for 20 October 1998

OCAPA President Glenn Massey, N5WNL, opened the Meeting at 7:32 PM.

The Secretary's minutes were approved.

The Treasurer's report was accepted.

Technical Committee:

Loyd, AB5I reported that there is a large null in our antenna's coverage on 146.82. They will be going up soon to look at the antenna and the repeater.

Christmas Party 1998:

It was moved that OCAPA investigate various commercial buffets for the site of our Christmas Party this year, and keep MWC Community Center as a backup site. The Executive committee is empowered to make the final decision. The date is set for Tuesday, December 15th, 1998 starting at 6:30 PM.

P.S. It was decided by the Executive Committee that the OCAPA Christmas Party will be held at the *Hometown Buffet at I 240 and Western. We need to know how many are coming. RSVP to Glenn Massey or Forrest Rush.* (My e-mail address is N5VWF@aol.com)

KWTV Committee:

Brad has been unable to meet with the people at KWTV due to their schedule at KWTV. He hopes to get a meeting arranged soon.

SET Exercise - There was a serious lack of participation during the Simulated Emergency Test.

JOTA: Mark thanked OCAPA for the use of the emergency trailer and equipment for JOTA. The scouts appreciated it.

Mark, W5PDH presented a slide program for the members.

Meeting was adjourned at 9:15 PM.

Respectfully Submitted
Forrest Rush, N5VWF
OCAPA Secretary

Good day and a hearty Hi ya'll from "CQ JAMBOREE!"

All I can say is "WOW!" A great time was had by all at this year's JOTA (Jamboree On The Air) the weekend of 16 October. Except for a "small shower" and the occasional "little 'ole gale", everyone had a super time. KJ0W was setup out at the FAA Center as W5PAA; we'll let him write his own article. With the help of OCAPA, our station KI5XA took the "rough road" and incorporated the Scouting method and "camped out" at the Armed Forces Reserve Center at Tinker.

Setup started Friday and many like Gene, KJ5GX; Mark, KD5CXP; and Dirk, KC5SFE jumped in feet first to help. Saturday's participants despite the rain and wind were Tom, WA9AFM; Forrest, N5VWF; Dirk, KC5SFE; Jeff, WD0GT; and C.R., KC5CYI. The "Diehards" that stayed all weekend were KJ5GX, KI5XA, and his son Jake from Troop 338 in Tuttle. Mark, W5PDH from Troop 116 arranged the entire event from site to groceries! Great Job Mark!

Many thanks once again to the Armed Forces Reserve Center for the use of their site and facilities.

Contacts ran "a-muck" from all over the world on 10, 15, 20, 40, and even 80 meters all weekend. Europe, Australia, Russia, South and Central America and everywhere in Canada and the States were made.

We also setup phone autopatches for those boys that were interested. I think that many other modes such as packet, satcom, ATV, would have shown some more, of the many aspects of this great hobby. And made this a better example for the boys to get the feel of amateur radio, and really get them "hooked on HAM radio as a hobby."

I was a little disappointed in the actual numbers of scouts that attended our JOTA station this year. I think they all ran over to the FAA center (W5PAA) as it was actually inside and dry! The rain certainly had an adverse affect and took a heavy toll on our Scouts participation. I have received assurances from the Last Frontier Council District executive, Mr Larry Arnold that the next year's calendar will be a Joint JOTA/Fall Camporee event. Tentative sites are being formulated as we speak, One local camp called "Camp Kickapoo" is right here in the area and is high in the running!

This is a great "fall event" for those HAMS who would like to get out and enjoy some working with scouts, making a few contacts. Enjoying eating like Scouts since after all the 13th point of the Scout Law is "A Scout is Hungry!" and certainly getting some practice on station setup/tear down procedures! I submit a hearty "Great Job" to the many that supported this event.

Why don't we make this a fall event every year? It might even be a little dryer next time! But why only once a year? Field day was fun, but JOTA was certainly cooler than the June Field Day!

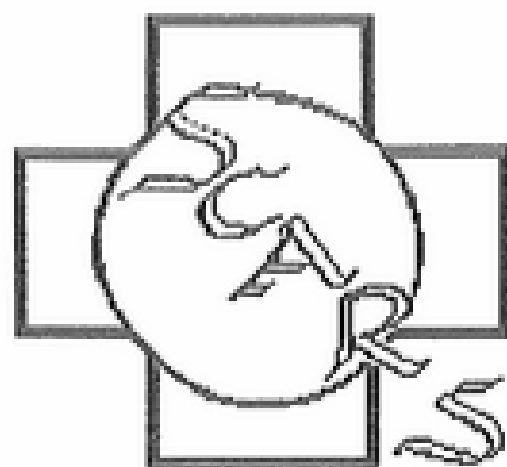
Mark, WL7FT [-:]

1631 SE 15th

677-9001

Skyline Restaurant
"country cooking"

Bryan, Cindy, Jennifer and Jessica



South Canadian Amateur Radio Society

Minutes – SCARS Regular Meeting -
October 10, 1998

The October meeting of the South Canadian Amateur Radio Society was held on Saturday, October 10, at the Red Cross Building in Norman. Club Secretary/Treasurer Jeff, KE5EB, called the meeting to order at 0930.

ARRL QSL BUREAU: Bill, N5UMH, gave us some new information regarding the use of the ARRL QSL Bureau. Check out the ARRL Website, www.arrl.org for all the information you need. Remember that DX is getting hot again! Bill has made several recent solid DX contacts from his 25-watt mobile, and it's only going to get better!

REPEATER REPORT: Ken, N5BEW, says all is well. The recent work on the VHF in-town and UHF repeaters has not degraded the performance of either system. Both systems now share a common dual-band antenna.

TREASURER'S REPORT: Jeff, KE5EB, reported the account balance is still healthy and encouraged all members to prepare for upcoming dues-renewal in December. A motion was also made and passed to prorate the dues of those who paid mid-year so all dues would come up for renewal in December. It is much easier to track when all members renew at the same time of the year. Jeff will be sending out renewal notices within the next month.

HAM RADIO CLASSES: The O. U. Amateur Radio Club will be conducting classes shortly after the first of the year.

"Stay tuned" for more information regarding those classes.

CHRISTMAS PARTY: David, N5KUJ, has confirmed Furr's as the place to be for the Club's annual Christmas party to be held on Tuesday, December 8 at 7pm. We are still unsure about how we will handle the purchasing of gifts for the party. That decision will have been made by the time you read this.

Many thanks to Club President Dennis, KC5EVH, for fulfilling my duties for the past two months. I appreciate it, Dennis! I have now learned how to read my calendar, and I apologize for the August surprise!!

The meeting adjourned at 1000.

Following the meeting, Peter, N5UWY showed us some very interesting video of the tornadic activity, which occurred in north Norman on October 4th. Thanks for making that video available to us, Peter. I am getting a new roof as a result of that storm!

Jeff, KE5EB
SCARS Sec/Treas.

Packet HT from Kenwood

Kenwood Communications has jumped in to help to build interest in packet radio and APRS in a very big -- yet very small -- way. Robert Sudock, WB6FDF, says the company's new offering has to be seen to be believed.

Looking for yet another niche product is becoming popular in the world of ham radio equipment supply, and Kenwood is becoming one of the leaders in this area. And Kenwood has struck again with its sneak peak at an exciting new packet equipped five watt dual band hand held at the recent Digital Communications Conference in Chicago.

Dubbed the Kenwood Data Communicator this new HT features a built-in dual speed Terminal Node Controller and APRS system. This permits the user to send and receive packet radio messages.

The big question was how well could such a small package work. The answer came in

trying it out. After playing with all of the radios built in TNC, GPS and APRS features, conference attendees at the conference took the unit out to the parking to see what it could do.

They used a handheld 3 element UHF beam on the various Pacsats flying overhead. Reports are that even without the proper software, attendees still saw screens full of downlinked UI packets from KO23, KO25 and UO22 using just a dumb terminal program on a laptop.

For more information on the new Data Communicator drop a note to:

Kenwood Communications, P.O.Box
22745, Long Beach, California 90801

or visit the Kenwood home page on the world wide web.

(Kenwood, VHF Reflector)



Operating in France simplified

Meanwhile, France no longer requires a temporary operating permit for visits by foreign hams who stay no longer than 90 days on French soil. Also, there is no longer any charge for an extended operating permit.

According to information posted to the VHF Reflector and several DX remailers, applicants for temporary French operating permits used pay a one hundred Francs in French currency for such a permit. They also had to apply at least six weeks before their expected arrival in France or a French territory. With the change no special pre notification is now required.

(Vhf Reflector)



Edmond Amateur Radio Society

UCO Homecoming Parade!

On the 2nd of October just shy of midnight I finished the last revision of the assignment sheet. I developed a sinking feeling that I didn't have near enough people to cover the parade, and it was just a minute or two too late to make any calls.

I decided it was bedtime and 6:00 AM would be here too soon. We arrived at Denny's at 6:15 for breakfast we were very impressed with the Establishment and its staff. The meal arrived just as we were about to leave at 6:50 am. This would be a great place to open a restaurant.

The crew arrived at the library at 7:00 am sharp. We waited and waited, it was decided to get on location and prepare for the entries to arrive. We met at the information booth UCO was there with donuts and drinks.

With a short discussion about assignments we all tried to translate the UCO line up after we figured out that parking lot D was now B (an overnight change) and that the other lots were really there. Several of the crew went after carts. Thanks to Carl, KM5PA we had 7 carts for our use.

Outnumbered as we were (some of us didn't show up as promised!) the true spirit of EARS came to light. Everyone pitched in and the parade went on. It was slow to start as usual but picked up sharply at the last minute. There was only one cancellation. The parade was delayed 5 minutes to allow the Grand Marshall time to fill up with fuel. Imagine that! Running out of gas in a parade! The parade went off with out a hitch!

The UCO parade committee was extremely pleased with the results of our labor. They told me several times to be sure and pass on their thanks, so I will - Thank You!

Here is a list of EARS members that made it happen.

KC5KJE	David
KC5NBI	Joyce
KC5RYT	Steve
KC5MXE	Buford
K0TYC	David
KC5CPJ	Sherry
KG5UG	Clara
KC5CRP	Jeff
WA5ZKX	Harold
KM5PA	Carl
KD5FDW	David
KD5CPQ	Pat
KA5YPX	Edith
KA5WIS	Lee
KC5GEP	Curtis
KC5SFE	Dirk
KC5ZBK	Wesley
N5TWC	KEN

Thank You for your Help

73 de Lee, KA5WIS

Health & Welfare

Hi to everyone. We would like to offer our deepest sympathy to Charles Newcomb, KD5DBF, his wife and family, in the loss of their loved one, Charles' father, on October 4, 1998. You shall all be remembered in our thoughts and prayers during this difficult time.

Shelby Mize, KA5YPE had surgery on September 28 at the Renaissance Women's Hospital of Edmond, followed by many complications. She is improving now and doing OK. She expresses her gratitude for all the cards, calls, prayers and concern for her welfare. She also asks prayers for her brother Bill Shelby, who had knee surgery several months ago, and has not done well at all. He was advised he would need more surgery to correct the trouble.

Kenneth Dunn, N5WKV spent the month of September and part of October recuperating from pneumonia and other problems. The good news is that he is back at work full time now and all is going well.

Bob Coxsey, KM5GZ, his mother Opal is suffering from leukemia and has been in the hospital with pneumonia. She was dismissed from the hospital on October 26 and is doing quite well at this time.

We hope all the members and their families are being blessed with good health.

73 de Clara, KG5UG

Birthdays

The following members of EARS will be celebrating birthdays during the month of November. Happy Birthday to all of you!

11-01	KB5BUK	Opal King
11-02	N5VYE	Michael Dean
11-03	N5SAG	Bob Hebert
11-04	N5OHL	Jim Richardson
11-05	KM5KH	Jeff Krehbiel
11-08	KC5SMM	Garland Holmes
11-09		Jennifer Welch
11-10	KD5CPL	Gary Carson
11-14	N5OJP	Linda Richardson
11-19	KD5BFB	Jesse Jones
11-21	KM5GZ	Robert Coxsey
11-21	KD5CPQ	Patrick Martin
11-23	KC5GEP	Curtis Foote
11-25	KC5QJS	Phyllis Hand

Special thanks and a big birthday greeting goes to Opal King, KB5BUK, our faithful Monday Night Net Birthday Announcer!

New Member

EARS is happy to welcome the following new member to the club:
Dan N. Osborne, KC5YTK

Monday Night Net

Be sure to tune in to 147.135 on Mondays at 8pm for the Edmond Amateur Radio Society's Monday Night Net. It's the best place to come for the latest news and information of interest to the amateur radio community. Following is the schedule of Net Control Operators. If you would like to be trained to serve as Net Control, please contact Bob Coxsey, KM5GZ, Net Manager.

November 2nd	Judy, KM5QW
November 9th	Gary, KD5CPL
November 16th	Carl, KM5PA
November 23rd	Dee, WD5FHR
November 30th	Dave, K0TYC or Bob, KM5GZ

October Board Meeting

The EARS Board and other interested Club members met on Friday, Oct. 9th at Brick's Restaurant in Edmond for a good meal and discussion of various Club items. The minutes of the September meeting were approved, as was Carl, KM5PA's treasurer's report.

Lee, KA5WIS reported that the 147.135 repeater is doing well. Following a recent straight line windstorm on Oct. 4th, the tower on the roof of the Club station was leaning dangerously. It is in the process of being dismantled and will be re-installed on the ground in the alley behind the building, anchored to the building.

Jim, N5OHL reported that there was a weather net during the Oct. 4th storm and local shelters were opened and monitored by Club members. WA5ZKX was net control, assisted by Jim. This was a well-handled net and thanks were given to all the spotters and others involved. This is a valuable service the Club provides to the community and local hams and one that is appreciated by the City of Edmond.

HF Committee Chairman, Dave Storey, K0TYC reminded the Board of the Special Event station to be held on Nov. 14th to celebrate Statehood Day. Details are published in the October QST. After discussion of the Club's Kenwood 520 rig, the Board moved to authorize the purchase of additional auxiliary equipment to upgrade the rig and enhance its serviceability.

Sherry, KD5CPJ indicated that the Calling Committee will be activated the week of Oct. 12th to announce the October Dinner Meeting on Oct. 17th and the upcoming Special Event station in November.

Clara, KG5UG reported to the Board the various Health and Welfare needs as given earlier in this article, and asked everyone to keep these situations in their thoughts and prayers.

Lee, KA5WIS reported that the UCO Homecoming Parade went well and thanked all those who participated. (See separate article on the Parade in this issue).

Clara indicated that the Novice/Technician licensing classes are continuing to go well,

with 16 students remaining faithful and enthused. The class this year has been especially eager with several students indicating they have meant to pursue a ham license for many years and were excited to finally be working toward that goal. A V. E. examination session will be held on Sunday, November 8th at 2:00 for those students, as well as the general public.

Steve, KC5RYT is researching options for a possible Club hamfest this Winter or Spring. He is inquiring about the costs and facilities at various Edmond locations.

The meeting was adjourned at 8:00 PM.

October Dinner Meeting

Despite the hard rain all afternoon, Club members assembled Saturday Oct. 17th for the bimonthly dinner meeting. This month it was held at the new Golden Corral on South Broadway in Edmond. The food was great and we were able to sit together in a separate room. (I'm not sure whether that was able to sit together, or made to sit together separately (hi hi). It was good to see folks, and we sure went away with full bellies. A good time was had by all.

****Opportunity is missed by most people, because it is dressed in overalls and looks like work.****

REMINDER!!!!

ELECTIONS will be held at the November Business Meeting, Sunday, Nov. 15th at 2:00 at St. John's Catholic Church located at Littler and 9th Street in Edmond. Come out and support the Club and take part in this important election. See you there.

A Thought

As we approach the Thanksgiving holiday, amid all our struggles, we still have much to be thankful for. Perhaps, we need to see things as Snoopy does ... It's Thanksgiving Day, and peering into the window of the house, he sees the family sitting down to a delicious turkey dinner. He wanders back to his dog house, talking to himself, "How about that? Everyone is eating turkey today, but just because I'm a dog, I get dog food." He climbs up on top of his doghouse and concludes: "Of course, it

could have been worse. I could have been born a turkey."

73 to all - Have a super Thanksgiving holiday, Sharon, KM5GV

Classic Car Show

Early on Saturday morning, September 19, EARS was on location at the campus of the University of Central OK. The appointed task was to provide perimeter control, on-site communication and various other assumed duties. The Classic Car Show, previously held in downtown Edmond, is an annual event to help fund the HOPE Center of Edmond. The HOPE center provides emergency financial relief and assists in locating appropriate community resources for the needy. The event organizers, as in previous years, welcomed Amateur Radio and EARS participation with open arms and a smile on their face.

Gee, what a collection of breath taking automobiles from yesteryear. The bright and shiny GTO's, corvettes, and super sports were quite a sight (Coxsey would have fit right in). So many stories were generated from the vehicles on display that walking, looking and listening was most interesting. Made one wonder if time could be rolled back to the "good ole days." The following club members are recognized for their help with this event:

Pat Martin-KD5CPQ
Dirk Wilhite-KC5SFE
Clara Granger-KG5UG
Curtis Foote-KC5GEP
John Thomason-WB5SYT

Curtis brought his HF equipped van which made for some enjoyable HF contacts. This part of EARS effort was in connection with Amateur Radio public awareness day that is a League sponsored event. Numerous stateside QSO's were completed along with some DX. Curtis made a successful contact with Spain that was most exciting. Well done KC5GEP! An enriching contact was made with K3BSA, the Boy Scout station in Pennsylvania. Several scouts at K3BSA picked up the mike and seemed to like visiting with some Okie hams. A surprise arrived in a few days in the form of a QSL card confirming contact with KC5ORP.

For you web surfers: the QSL card made note of www.k3bsa.org.

During the event, Clara, KG5UG did some positive public relations for our licensing class and recruited another class member! What a deal! Clara clearly understands the need for continued recruitment while doing a super job. A.C., KA5WGV and Larry, N5OL dropped by and visited the Classic Car Show with us as did Jim, N5OHL and Linda, N5OJP. Good to have their presence. Late word from event organizers indicates the Classic Car Show-1998 was "very successful" and exceeded expectations. Plans are for the event to be back on the UCO campus for 1999 with EARS assistance requested. Thanks to all who helped as another great effort by the Edmond Amateur Radio Society was completed.

73 de John-WB5SYT

Christmas Dinner

Mark your calendar now for the EARS Christmas Dinner on Saturday, December 13, 1998 at 6pm at St. John's Catholic Church, 9th & Littler in Edmond. Plan on good food, good company, and a visit from Santa himself.

Crop Walk

Sunday, September 27 was the date for this year's crop, with the start/finish as before, at Edmonds' s Hafer Park. The majority of the proceeds go to World Hunger with the remainder going to local helping agencies including the HOPE Center, Breakfast on Boulevard, and the Samaritan House. Participants gained sponsors for walking / running the several mile course through the "heart" of Edmond. Approximately 160 participants started the course with most finishing. Some quite quickly as they were talented runners while others took a more casual pace. A handful took hours, but finally completed the course and were proud of their effort as EARS was cheering them on.

Completing the route was complicated by unusual heat for this time of year. The youth in the event as well as ages through senior citizens struggled with the heat while consuming much-needed liquid refreshments at the EARS staffed rest stops. EARS provided communication to

assist event organizers, gauged the pace of the participants while keeping an eye on the need for assistance in the form of thirst, injuries or drifting off the route. Some EARS members were placed at strategic positions along the route to achieve the objectives and others drove the route with event staff to assist in overseeing the CROP Walk, 1998. While using the club's 147.135 machine, EARS provided immediate anticipation and response to the event and participants. As is often the case in this type assignment, several quick decisions had to be made with EARS doing the needed thing in each challenge. David Wolf, KC5KJE, served as net control and made essential moves numerous times. David showed good event poise.

Other participants from EARS were as follows:

Edith Vaughn-KA5YPX
Patrick Martin-KD5CPQ
Dirk Wilhite-KC5SFE
Don Waits-N5KLI
Joyce Wolf-KC5NBI
John Thomason-WB5SYT
Clara Granger-KG5UG

Clara did all the pre-event organizing including communication with event organizers, recruitment of EARS members, preparation of event outline materials and provided the "cooks-tour" of the event route for club members. Dirk manned the much enjoyed water-mist rest stop. Great sacrifice on Dirk's part!

Many thanks to the EARS crew for coming through in the best possible spirit of public service.

John-WB5SYT

Funnies

Another Round of Morons

AT&T fired President John Walter after nine months, saying he lacked "intellectual leadership." He received a \$26 million severance package. Perhaps it's not Walter who's lacking intelligence.

With a Little Help from Our Friends!

Police in Oakland, California spent two hours attempting to subdue a gunman who had barricaded himself inside his home.

After firing ten tear gas canisters, officers discovered that the man was standing beside them, shouting pleas to come out and give himself up.

The Getaway

A man walked into a Topeka, Kansas Kwik Shop, and asked for all the money in the cash drawer. Apparently, the take was too small, so he tied up the store clerk and worked the counter himself for three Hours until police showed up and grabbed him.

Have I Got a Deal for You!

More than 600 people in Italy wanted to ride in a spaceship badly enough to pay \$10,000 apiece for the first tourist flight to Mars. According to the Italian police, the would-be space travelers were told to spend their "next vacation on Mars, amid the splendors of ruined temples and painted deserts. Ride a Martian camel from oasis to oasis and enjoy the incredible Martian sunsets. Explore mysterious canals and marvel at the views. Trips to the moon also available." Authorities believe that the con men running this scam made off with over six million dollars.

Did I Say That?

Police in Los Angeles had good luck with a robbery suspect who just couldn't control himself during a lineup. When detectives asked each man in the lineup to repeat the words, "Give me all your money or I'll shoot," the man shouted, "That's not what I said!"

Are We Not Communicating?

A man spoke frantically into the phone, "My wife is pregnant and her contractions are only two minutes apart!" "Is this her first child?" the doctor asked. "No, you idiot!" the man shouted. "This is her husband!"





Lawton / Ft. Sill Amateur Radio Club

The Lawton Ft. Sill Amateur Radio Club has been busy during the last month. Amateur Radio Classes were held during the last several weeks with several students becoming new operators. Congrats to all the new Amateurs! Thanks to Mark, KC5IZN and George, KK5QY for organizing and leading the list of instructors.

There has been a lot of activity in the hobby, such as RJ, KC7ICM has been busy working his 2 meter SSB station, making several long distance contacts. Doug, KM5QD has been using his HF privileges to work several stations one being Bill, WH6DQ in HI. During the past couple of months Harold, KC5EOO has upgraded and changed his call to KM5RH, AC5QY and now K5VHF, Harold congratulations.

The LFSARC President Terry, KB5IYB announced a PotLuck picnic for all Amateurs on October 3, 1998 in the Wichita Wildlife Refuge, which was a success.

There has been a story going around that the LFSARC will not be having a 1999 Hamfest, but, as this moment there will be a Hamfest at Lawton in 1999. We would like for everyone to plan on attending and make it better than 1998. I want to Thank the ARRL Oklahoma Section Manager Coy Day, N5OK for his support. Coy Day made a presentation at the September Club meeting and everyone enjoyed it.

The LFSARC EOC, Bob, W5KCB and Technical Committee Chairman, Paul, N5PYD have been busy upgrading our repeaters along with the help of other Amateurs. The 146.91 Repeater is up and in great shape, the 147.36 repeater has been rebuilt by Harold, K5VHF and is

ready to go back on the air shortly. Thanks to all involved with this project, Great job!

Don't forget this is a HOBBY, so enjoy the Hobby, Have Fun and Keep talking.

73 de Jim, N5UJB

SARL Council approves new Morse Code policy

South Africa is the latest nation to join the call to give more hams access to the high frequency bands. This by revising international law and their own national regulations regarding the Morse code requirement.



Leading the challenge is the South Africa Radio League or SARL. Q-News Graham Kemp, VK4BB, has more: South Africa approves a new Morse code policy. It's the opinion of the SARL that even though the IARU supports the continuation of regulation S25.5, that there exists no good argument in favor of retaining Morse Code as the only qualifier for Amateurs to have unrestricted access to the HF bands. In line with the views expressed by the majority of the League's members, the SARL will support initiatives of a number of other IARU member societies such as the RSGB in overhauling the qualifications for an unrestricted Amateur license. The SARL believes the first

step in the overhauling process should be the immediate reduction in the Morse Code speed requirement from the present 12 words per minute to 5 words per minute, which still permits compliance with ITU radio regulation S25.5.

If the Amateur Service is to remain relevant in the 21st century it needs to embrace and encourage the development and usage newer technologies. Clinging to Morse Code as an entry requirement will impeded rather than help this development.

SARL, after consultation with its members, the regulatory authorities and educationalists is in the process of developing a practical "hands on" student amateur license, with a minimal 5 wpm Morse Code exam, which is aimed at schools and school going young people. In order to encourage ongoing development, the League will request SATRA to modify the regulations to permit student licensees full access to all HF bands but with limited RF power output.

The South Africa Radio League is aware that these proposals may offend a number of Amateurs. But it believes that its duty lies in promoting the future of the Amateur Service, and therefore we appeal to those who have concerns, to accommodate these necessary changes and help the SARL rebuild the Amateur Service for the 21st century.

The South Africa Radio League says that a draft of the proposed new Student license will be made available for comment within the next few weeks.

(SARL, Q-News, Newsline)

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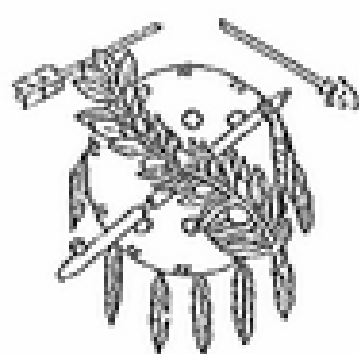
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Fax (405) 682-0461

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Mustang, OK 73064
(405) 376-2646
Fax (405) 376-2646



Broken Arrow Amateur Radio Club

November Meeting Program
Ham Radio History Video Tape
Presentation
By Chuck Myers KK5IC

October Meeting Minutes

The meeting of the Broken Arrow Amateur Radio Club was called to order by President Jeff Scoville at 6:30 pm. We began with a roll call of the membership followed by general announcements. On a very sad note Ernie Buck's (W5CDW) wife passed away last week. Each member of the club sends their deepest sympathy to Ernie and his family.

The evening of the 4th and through the 5th the Oklahoma area received a great deal of rain. A welcome sight for sure, since it has been so dry the last few weeks, but we really didn't need all the rain at the same time.

Due to the heavy downpours in the area, flooding was experienced all over the city of Tulsa and surrounding areas. One of the area businesses affected by an increase of water where it wasn't needed was the telephone switch office on Elgin Street in Tulsa. Since every amateur radio operator is aware of things that don't mix – water and electricity, this caused an outage of telephone service in the area. Many businesses were out of contact for several hours, and it also caused problems contacting emergency services, hospitals, police and other agencies that may have been needed. The local HAMS came to the rescue by starting an emergency net and established communications for several agencies in the area.

Committee reports:

ARES reports no particular activity other than the above situation.

Paging system is working well, and Jeff announced an emergency test would be held

during the weekend of 10/17 and all amateur operators are welcome to join. Expect the activities to begin about 12:00 on Saturday.

The engineering committee indicated they would be relocating the '47 machine – site to be determined. Also, voiced at this time an opinion about the voice identification announcement on the repeater. The person relating the somewhat negative opinion indicated that CW would be the preferred identification method. We think Mark will provide a voice update for the repeater to include the phrase... "dit,dah,dah... dit,dit,dit,dit,dit ... dah, dit,dit,dit ... dah,dit,dit,dit... dit,dit,dit "

Packet operations is working well, no problems have been reported.

VE report – two people tested, one passed element 3A, one was doing a code test that didn't quite make it.

Old Business –

It's that time of the year again. Yes, it's been almost a year since the current team of officials were nominated for club officers. A request was made for a volunteer to head the nomination committee for the 1999 officers. After much debate, arguing, and volunteering, we finally had to make a tough decision to let Bruce Burnette (K5PX) tackle the job. We know we've got the best man for the job – thanks Bruce for stepping up to the challenge. It will be a tough choice for the next season.

New Business:

A recommendation was made to collect club membership dues once per year. This should help the process and provide a time that everyone can remember to send the fees. A motion was made by Mark (N5OBC), seconded by Bob (W2CSL) and a vote was taken by the club. The vote was passed to make January 1 as the annual dues collection month then, pro-rated quarterly for the remainder of the year. That is – first quarter dues are \$20.00, second quarter dues are \$15.00, third quarter dues are \$10.00, and fourth quarter dues will be \$5.00. Happy new year!

A motion was made, seconded, voted and passed by the club to send flowers to Ernie Buck.

Bruce Burnette announced the OKDX banquet will be held Oct 11th in Oklahoma City.

Jeff indicated that a UHF base (444.1) is now linked to the 146.64 machine thus giving coverage from Joplin to Oklahoma City. Also, 443.85 is also linked providing coverage north to south pretty much from Kansas to Texas.

That was it for announcements. The meeting was adjourned.

Respectively submitted,
Joe Horn, KC5VPO

Special Event Station To Be Held in Claremore Nov 7-8

The Rogers County Wireless Association is having a special event station to commemorate Will Rogers Day. The special event station will operate from 8 AM to 5 PM daily on seven bands. Callsign will be W5R:

Band (Mhz)	Frequency
40m	7.230
20m	14.280
15m	21.330
10m	28.385
6m	50.190
2m SSB	144.19
2m FM	146.580

8 1/2 x 11 certificates will be available.

Looking for a few good officers!

Final nominations for officers will be taken at the November club meeting. Bruce Burnette has been working busily to recruit a slate of officers for next year. Thank you Bruce for taking on this formidable task!

Mark your calendar!

Club Christmas Party December 15th

The annual Broken Arrow Amateur Radio Club Christmas party will be on Monday, December 15th at 6:30 PM, China Star Restaurant, 71st & 145th E. Ave.

As always, we will be holding a white elephant/lighthearted gift exchanger and honoring several members for their service to the club.

SWAP & TRADE

K5FRI, Tom, has the following for sale: 2 Bird 6154 watt meters (150watt) with slugs. He can be reached at 918-486-4811.

Merry Xmas for some new HAM, Cushcraft R7 Vert.; 10,12,15,17.20,30,40 meters: all <1.8:1; mint cond. w/ manual; KB5RR, Edmond, OK, kbr55@ibm.net or 405-3451-7163

For Sale by Stan Bolin, 869-9930 days or 733-2239 evenings, email stanbol@flash.net. Novice: Midland Model 11-500 Receiver, 55 KHz - 30 MHz, 4 Bands; Hart 75, Transmitter, Xtal control, 5 Band CW Heathkit VFO 160 - 10 Meters VHF: Heathkit "Sixer" 6 Meter Xcvr Midland 13-520, Xtal, 2 Meter Talkie, 07/67, 22/82, 34/94, 94/94, 16/76; Regency 2 meter mobile with base pwr. supply, Xtal control, 52/52, 55/55, 76/76, 28/88, 94/34, 34/94, 46/94, 07/67, 22/82, 16/76, 81/21, 15/46; Yaesu FT-207R, 2 meter Handie HF: Drake TR-4, 5 Band transceiver, MS-4 Speaker/Pwr Supply, Rebuilt by factory, Spare finals. EICO 753, 3 Band transceiver. Antenna: 40 meter dipole 5 band trap vertical TA33 Jr. tri-band beam with pole, rotator and control 2 meter base vertical 2 meter mobile. Misc.: Turner Mic PTT/VOX, Shure Mic PTT/VOX, Heathkit Mobile Mic, Touch tone, Heathkit HD-15 Phone patch, Realistic phone patch, Knight RF Generator, Kantronics Universal Terminal Unit, Xerox Cassette recording word processor with electronic typewriter, tape deck, power supply, 50 conductor shielded cable 25' 1 kilowatt hf amplifier, homebrew, has worked but needs some work, Computer Stuff: AST MTE 4/66d i486, 8 MB RAM, 400 MB Drive, Sound Blaster, Win 95, AST Vision 4v SVGA Monitor, Keyboard, Mouse (in storage for several months) Meridian Data CD Publisher with Storage Tech tape drive, SCSI interface (this should be in the Smithsonian) SCSI I cards, Desktop computer cases with power supplies, each Various program language software,

Ada Amateur Radio Club

Dwight Myers, N0RIW called the monthly meeting of the Ada Amateur Radio Club with the first item up for discussion was the updating of our phone patch list. If you have moved or changed telephone number etc. please let us know so the list will be correct when Roy redoes the phone system. We want to be sure that we have good three digit numbers for members who live within the system and have paid their dues in full, HINT, HINT. Yes it is time for renewal of your club dues and hopefully your memory has been better than mine has.

In other news, the new rotor is up on the roof at the Salvation Army Headquarters in Ada. The packet cables are ready, also the radio is in place so now we can check in on the Saturday morning net, thanks to Charles, KC5TGA; Sam, KM5IY and Mason, WT5X and any others that I do not know about.

The club picnic is scheduled for October 17 at Wintersmith Park we had lots of volunteers this year Tom, KK5XI will pickup the foodstuffs. John, KC5EZC the charcoal and fire start, KC5DDS handled the plates and etc for eating on. Also Charles, KC5TGA brought the hotdog buns and breads for all the other good potluck foods that always make an appearance. The EOC van will be there for power and possibly relief from the weather if needed. As this is the same weekend as the Boy Scouts Jamboree on the Air some radios will be setup and hopefully lots of contacts will be made.

We need to start planning for club elections in December, so we can make our nominations in November. So make plans now for who we would like for our club officers. Also we need to be aware of all the changes the FCC is proposing and they really want our comments so whether you would like to see the code speed raised or lowered, if you want the test harder or easier, and other proposals such as the levels of difficulty or number of license classes now is the time to make your feelings known. Please remember

that stating your views factually and calmly will work much better than emotional and extreme views. Remember this is one time when we may be making a big difference in the future of Amateur Radio, so please read your favorite Amateur publication or go to the FCC Website and be informed and then let your views be known.

I hope that everyone has a Happy Thanksgiving and a wonderful Christmas from your friends at the ADA AMATEUR RADIO CLUB.

Danny Coffey, KM5LB
Secretary

The Club picnic was held on October 17th at the park. I was unable to attend but I have been told that the event was well attended and a very good time was had by all. So long from the Group at ADA.

Space Bulletin 014

New amateur satellite package launched

SEDSAT-1, Amateur Radio's newest satellite, launched successfully October 24 from Cape Canaveral. However, after fewer than two dozen orbits around Earth, reports indicated problems with the spacecraft's batteries and solar panels. SEDSAT-1 was fabricated by students at the University of Alabama-Huntsville. It was boosted into space by the same Delta II rocket that carried the Deep Space One probe. The package contains a Mode L digital store-and-forward transponder and a Mode A analog transponder.

Chris Lewicki, KC7NYV, of the University of Arizona Student Satellite Project, reported earlier today that telemetry from SEDSAT-1 indicated the spacecraft's power had dropped to zero at one point and the satellite reset itself. Intermittent telemetry suggests the batteries are not storing their specified 8 Ah. Lewicki said the satellite went quiet halfway through a pass over Tucson on orbit 27, indicating it had gone into its "power cycle" mode. Lewicki said in this state, the satellite notices that it is in extremely low power conditions and waits

10 hours until attempting to transmit again.

The solar panels appear to be producing as much power as expected, but Lewicki said they are "slow to react when exiting an eclipse period," so charging does not start until at least 10 minutes into a daylight cycle.

As a result of the power cycling, images of the satellite's deployment from the booster were lost. Lewicki is seeking monitors to listen and decode telemetry for periods when the spacecraft is nearing the end of its day cycle and entering eclipse. The downlink is 437.91 MHz, 9600 baud FSK (with adjustment for Doppler shift). A

telemetry program is available at the SEDSAT Web site, <http://www.seds.org/sedsat/tracking>.

"To use it, you must put your TNC in KISS mode and must set the appropriate COM port parameters," Lewicki said. Current two-line Keplerian elements also are available at the SEDSAT Web site.

E-mail telemetry reports including the orbit number, your latitude/longitude, UTC, and brief description of hardware used to telemetry@seds.org.

Lewicki said nothing was heard from the spacecraft in Phoenix at 1200 UTC

October 26, nor was it heard in London on a later orbital pass.

SEDSAT coordinator Mark Maier, KF4YGR, at the University of Alabama-Huntsville said the satellite's initial telemetry was nominal except that power numbers were below prediction on earlier orbits. He said the satellite's orbit "processes out of North America for fairly long periods"-a half a day or more at a time.

For more information, visit the SEDSAT Web site at www.seds.org/sedsat/.

Ham Radio Word Search

"Antenna"

By Wade Harris KF5IF

P	H	Q	G	H	U	M	S	W	R	M	E	T	E	R	E	A	Y	L	N
L	F	D	R	O	T	A	L	U	S	N	I	X	F	I	R	M	C	V	E
S	C	X	G	G	B	W	K	F	N	Q	D	U	X	W	F	A	F	N	V
F	H	E	I	G	H	T	E	O	Z	V	S	R	T	E	K	T	J	P	A
R	E	P	A	G	G	E	L	O	P	I	D	X	E	R	P	C	N	R	W
V	Y	I	S	T	M	W	B	C	Y	S	Y	D	Y	C	Q	H	P	E	R
V	N	I	P	K	E	F	A	F	M	Z	L	N	I	M	K	I	K	A	E
S	V	V	O	W	W	S	C	R	E	I	N	Z	K	Y	C	N	X	F	T
X	E	T	O	L	A	S	X	G	N	Y	P	S	F	Y	A	G	I	A	R
D	R	P	L	O	V	O	A	E	E	F	X	Z	B	C	O	N	E	J	A
U	T	V	A	P	E	V	O	A	B	T	N	A	N	O	S	E	R	O	U
Y	I	G	T	P	L	O	C	E	Y	L	F	P	B	N	P	T	L	J	Q
V	C	R	L	V	E	I	T	O	W	E	R	P	Y	A	M	W	Y	E	H
W	A	Q	E	N	N	Q	R	U	Q	P	E	B	O	L	R	O	J	A	M
M	L	X	D	U	G	R	O	U	N	D	R	O	D	J	J	R	L	O	O
B	V	A	O	W	T	U	X	W	H	E	M	S	N	C	B	K	X	C	O
A	K	S	F	Z	H	K	V	A	T	X	R	D	K	N	L	M	Y	J	Y
L	H	F	I	X	J	S	W	N	K	K	U	F	N	U	X	X	A	Z	R
U	Z	B	C	U	B	I	C	A	L	Q	U	A	D	M	N	M	G	E	Q
M	O	O	K	E	T	L	Y	H	N	K	O	A	U	G	Z	Q	R	C	B

Find 'em!:

Balum, Height Resonant, Ground rod, Yagi, Dipole, Quarter Wave, WaveLength, Beam, Tower, SWR Meter, Feed Line, Gain, Insulator, Major Lobe, Coax Cable, Tuner, Vertical, Cubical Quad, Delta Loop



OKlahoma DX Association

From Da' Prez...

By Bruce Burnette, K5PX

Hello out there in Radio Land!

Greetings from beautiful Broken Arrow. First I would like to express our sorrow to Ernie Buck, W5DCW. Ernie lost his wife in an accident recently. Most of you either know Ernie or at least have seen him at many of the various radio functions. If you want to drop him a line, he can be reached via the Internet at buckw5dcw@juno.com or via mail at 3630 S. Wheeling, Tulsa, Ok 74105. Ernie, our heartfelt sympathies go out to you. You are in our thoughts and prayers.

Yes, we did cancel the OKDXA Banquet, and here are the reasons. We only had 19 people sign up. Nineteen out of 102 is a very low turnout. I felt that the banquet should be canceled for two reasons:

1. MONEY. Look at the numbers. 19 X \$20.00 = \$380.00, this would not cover the cost of the food. Last year we had 44 present @ \$15.00 = \$660.00 and we still lost money. Take into consideration that the speakers last year & this year purchased their own airline tickets, all we furnished was their rooms. Now I know that the banquet is NOT a fund-raiser, but we at least need to get close to breaking even.

2. Embarrassment, loss of face, or whatever you would like to call it. Having Bruce Butler travel halfway across the country for an audience of 19 people would not speak too well of the OKDXA. Frank Smith knows us, in fact he is one of us, but I still didn't feel that it would be right to take advantage of him for such a small showing.

So, that is the story on the banquet. I even got an E Mail from one of our members who had already purchased his

plane ticket. All I can do is apologize to him and beg his forgiveness. The decision was mine. I'll be like Harry Truman, "the buck stops here!" Your comments, as always are welcomed.

Moving right along. Did you send in your ARRL ballot yet? We all are members of the League, aren't we? Our very own Coy Day, N5OK, is running for the position of Vice Director. I think that it would be quite a feather in the OKDXA's hat to have one of our members as a Vice Director of the League. We are all pulling for you Coy!

Speaking of Coy, I'm proud to announce that he was selected as the OKDXA Ham-of-the-year! I think that everyone knows Coy, and are well aware of his service to Amateur Radio, the ARRL and to the OKDXA. Coy holds the #1 DXCC award, is active as a DX'er and tester, was a past president of the OKDXA. He has operated from 5B, T88, KC6, and several more exotic locations. Coy will receive a plaque recognizing this achievement and his name will be added to the traveling plaque that stays with each years recipient. Congratulations Coy!

On this happy note I will end my wanderings. Until next time, work um!
73 Bruce, K5PX

Do We Have A Volunteer...?

By Jim Hood, K5TT

Last year I volunteered to coordinate the OKDXA Club Contesting effort. I started this function for several reasons: To give the OKDXA favorable publicity, increase the OKDXA member contest activity, and to give members some fun. I am pleased with the results. You will see we have done quite well if you look at the ham publications, especially for our first year of coordinated effort. Unfortunately, this year with increasing job pressures, family commitments, and extensive travel, I cannot give the attention to this coordination effort that is needed to get the lists of participants submitted in a timely manner.

I am asking that someone step in and take this responsibility. There is good interest in club contesting and I hope someone

will volunteer to build on the foundation that has been established. You can contact me at (405) 732-6131 or at k5tt@contesting.com and I will fill you in on the requirements.

Jim, K5TT

Secretary / Treasurer Report...

By Mark Byard, N5OG

• Re-up progress

Well we are doing pretty good! The current tally is 65 of our 104 members -- 62.5% -- have renewed for our 1998-99 Associational year. Hal will mail the C&E to all of our 104 members through the December issue. Those not having paid their dues by mid-December will not receive the January issue and will be dropped from the roster.

(Note: Rumor has it the January 1999 C&E will carry one of the finest OKDXA Newsletters ever written... So be sure to renew... Today! - KC5QVV)

Thanks much for your past support and I look forward to hearing from the other 37.5%! ha

• E-mail update/changes

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

Jay Bromley, W5JAY w5jay@alltel.net

Don Feigel, N5JK n5jk@webzone.net

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 Sec/Treas, N5OG. Thanks! (n5og@poncacity.net)

OKDXA Stuff...

• New NW Director

President Bruce Burnette has announced that Ted Doty, AA5CK, Cheyenne, will be our new Northwest Director, replacing Lu Fisher who is now serving as one of our Vice Presidents. Thanks to Ted for agreeing to serve.

• NE adequately covered

Our NE Directorship was vacated when Jerry Chouinard, K5YAA, moved into one of our two VP positions. But, since the NE is already represented by President

Bruce in Broken Arrow, and also by VP Jerry in Claremore, Bruce has decided not to fill the NE Directorship.

• Remember ... OKDXA Net now meets at 9:00 AM... The early-AM propagation has made the OKDXA net much more enjoyable and profitable. We now meet at 9:00 AM every Saturday morning (except for major contest and hamfest weekends) on 3860 Khz, plus QRM.

Miscellaneous...

QSLing into Russia ... Get it from the horse's mouth ... (Ed. Note: Here is an interesting email posted on the QSL reflector by a Russian ham talking about the "unofficial inspections" that usually befall their incoming post. I haven't corrected his syntax as his English prose is far better than my Russian! ha.)

To: Ted, W8TTS

Dear Ted,

Your question about back postage to Russian hams is very actual. It will be better for ham, if you will send "GS". IRC is also good, but it is not available to change IRC to post stamp in each Russian region. I think, in Sakhalin too. But if this ham also looking for dx qsl cards, IRC will be usefull for him, because even more impossible you buy IRC in Russia, except of Moscow, BUT!!! Main problem for us - the postman (woman) like to see time to time, what is inside an envelope, arrived from foreign country, esp. from USA. If they will see something interesting there, we, Russian hams, will not got your QSL at all, so, it is a main reason, that we are not 100% QSL !!!

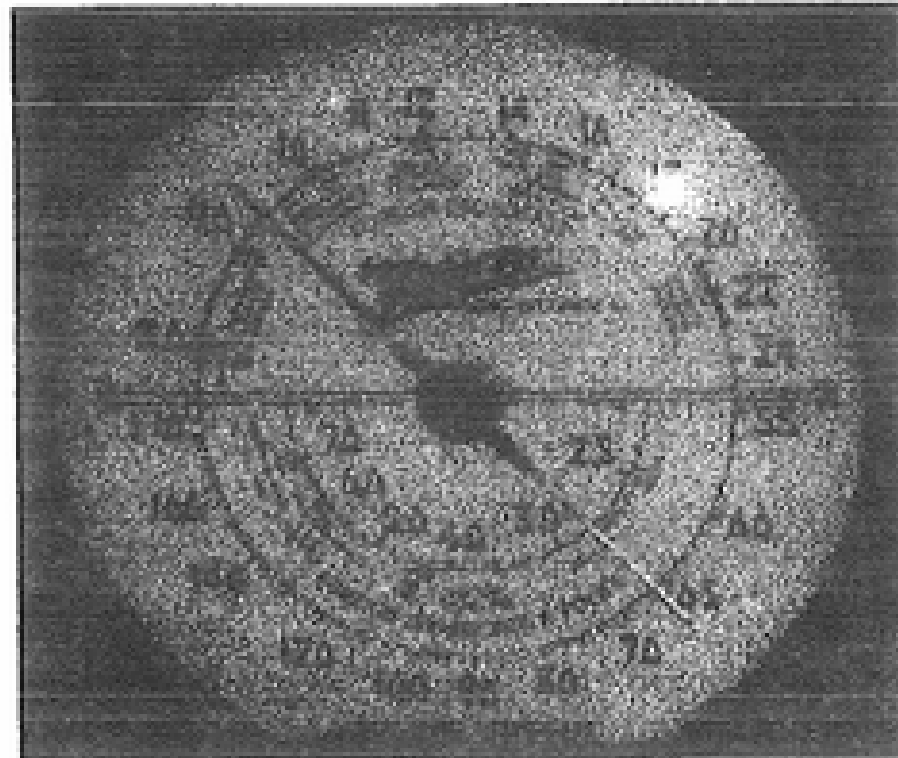
In this case IRC is better for sender. But sometimes, postguys also likes IRC. One other option. I read in CQ or QST, that now is not so difficult to buy Russian stamps there. You may send back envelope with Russian stamps. Today (September price, but at October it may be higher, I think) Airmail is 3.50 rubles. To USA all postage ONLY airmail. Good luck, Gene

EugeneA.Kostromin UA4RZ
kostre@belcom.ru
(also ua4rz@tatincom.ru)
<http://www.qsl.net/ua4rz/index.html>

P.O.Box 17 Kazan 420045 Russia

• W5 QSL Bureau notes

W5 Bureau manager, Gerald Floyd, N5FG, reminds the 5-land hams to be sure to provide labels if you're ordering envelopes from the W5 Bureau.



DX News...

OPDX Bulletin Internet Edition from The Ohio/Penn Dx PacketCluster Bulletin No. 380 October 23, 1998 Editor Tedd Mirgliotta, KB8NW Provided by BARF-80 BBS Cleveland, Ohio Online at 440-237-8208 28.8k-1200 Baud 8/N/1

A22, BOTSWANA

Charlie, W0YG, will be returning to South Africa on November 4th. He states that he will probably not operate from there this trip, but he will go to Botswana on November 15th, where he will again be active from his vehicle as A22/W0YG. He will attempt some 80 meters operation when in the bush, but he is not optimistic because mobile antennas on the low bands are more or less dummy loads. Charlie will be on the WARC bands regularly as well as the normal bands, 40 through 10 meters. As before, QSL to W0YG. SPECIAL NOTE FROM CHARLIE: "Please do not include cards from other operations in the same envelope with A22 cards. Send requests for QSL's from other operation in separate envelopes. I do not yet have cards from my recent A22/W0YG or Z21/W0YG operations. While they were ordered immediately upon my return, they have not been shipped. I have been assured that I will have these in hand the first of next week, so I should be able to at least get some cards out before I leave."

CP6, BOLIVIA

Olli, OH0XX, will operate CP6AA in CQWW SSB Contest as a Single Op/All Band entry. QSL via Suite 599, 1313 So. Military Trail, Deerfield Beach, FL 33442, U.S.A.

E3, ERITREA

Zoltan (Zoli), HA5PP, is currently in Ashmara, and has just received the callsign E30HA. He has been on 10 meters and will try to get on 20-15-10 meters during his stay. At the moment, he is only on SSB but there may be CW later. He is using a TS-50 with some antennas fashioned from tubing and 50 meters of wire and an MFJ tuner. QSL via HA5YPP (his wife).

JY, JORDAN

"The 59(9) DXReport" states that Ken, K4ZW will be active on November 5-16th as JY8ZW, especially on 160 and 80 meters, mostly CW and 10 meters.

QSL INFO AND NEWS

QSL information for the following Scouting Callsigns: LX1JAV via LX2AJ, LX9LGS via LX2AJ and LX9KGS via LX2AJ.

TO150 DXPEDITION

Activity is planned on top of "Piton des Neiges", an island off of Reunion, with an altitude about 3069 meters. Activity will last for 3 days. On December 18th, 19th and 20th, look for TO150 (Tango Oscar One Hundred Fifty) to be activated by 10 operators on CW/SSB/RTTY on 160-2 meters. A special QSL will be available. The special callsign is in celebration of the 150th anniversary of abolishing slavery on Reunion Island on the December 20, 1848.

TN, CONGO

Hazel, TN7OT, is back in the Congo doing missionary work for another year. Hazel's home call and QSL route is AL7OT. Her home is Soldotna, Alaska, and she frequently contacts KL7J. She has 100 watts and a dipole and will work a few stations after contacting Alaska usually on her sunset or sunrise.

VK9X & VK9Y, COCOS KEELING AND CHRISTMAS ISLANDS

Jack, HB9TL, and Erwin, HB9QR, will be active on all bands from 14 to 28 MHz as follows: Cocos Keeling - VK9CTL and VK9CQR October 24th to 31st Christmas Island - VK9XTL and VK9XQR October 31st to November 14th QSL direct to HB9QR only - Erwin Fink, Toedistr. 7, CH-8572 Berg, Switzerland with SASE and 2 IRC or 2 green stamps. They request that when calling, use complete call signs only (PLEASE) - no part callsigns.

XR3, CHILE (Update)

XR3J will be active during the World Scout Jamboree from December 28th to January 5th. Operators are: PA3BAR, HB9AOF, M0AEU, PA3GVR, ZL2APE, OH2BXB, K2BS, PY2RAR, PU5TAZ, PD1AIL, OZ1JRD, LW4DYZ, LW1ECO, PA3EFR, LX3DL, LX2AJ and G7VFD. QSL via HB9AOF. Also, look for XR3M to be on the air. Operator will be CE3/W9FW (ex-CE0/W9FW, XT2JB, TU4EI, TU5EV). Special cards will be printed and W3HC will furnish the cards and be the manager.

XZ, MYANMAR

The following is a press release by Dan Brown, NA7DB: "XZ1N will return to the airwaves beginning November 21, 1998, through December 6, 1998. The operation will take place from Yangon, Union of Myanmar. Most of the team are members of the Central Arizona DX Association, with some members of the original XZ1N operation in 1996. This will be a multiple station operation covering 160 through 10 meters including the WARC bands. Modes of operation will be CW, SSB, & RTTY. There will be entries in the CQWW CW Contest and the ARRL 160 meter contest.

CADXA and the team members are very honored to be invited back by the government of Myanmar. Since there have been no other Amateur operations for the last two years from Myanmar, we are sure the DX community will be as excited as we are. The solar cycle upswing leads us to believe this can be a very successful operation. We are also honored to have Bob Brown, NM7M, do our propagation studies. Original team member WA6CDR, Robin, will be returning and plans to spend the bulk of

his time on 160 meters. Planned improvements over his successful 1996 efforts give us great hope for even greater success in 1998. Returning YL operators, Millie, WY7K, Sally, KM5EP, and Jessica, N7ZRD, will give the operation a unique flavor and an added incentive for those seeking YL contacts with a rare country. Mike Bill, N7MB, a veteran DXpeditioner and current President of CADXA, will be active on CW and RTTY. Additional team members, web site address, propagation information, and other details will be available in upcoming news releases."

YL80, LATVIA

Amateurs from Latvia are allowed to use the special prefix YL80 in October and November to celebrate the 80th anniversary of the proclamation of Republic of Latvia (November 18, 1918). An award is available for contacts made during this period. For further information, please visit the WEB site: <http://www.hamradio.lv/>

ZF2, CAYMAN ISLANDS

Robert, KE5BR, will be operating under the callsign of ZF2UH again this year from Georgetown, Grand Cayman, from November 6-14th. He will work 40 meters in the early mornings SSB and all bands during the day. During evenings he will work 10 meters, and after an hour or so on SSB he will go to CW (as he states, "the five hams on Cayman don't operate CW and there are those who need CW contacts from ZF-land!"). QSL via KE5BR. SPECIAL NOTE: He will also be operating on the NOVICE CW bands, and asks that no calls other than NOVICES call him while in the NOVICE sub bands. Robert enjoys giving the newcomers the thrill of DXing and getting a color picture QSL for their collection. He will QSL all NOVICE contacts as soon as he returns to the states. Robert states, "During the day I will be all over the bands and will be giving daily info to the Kansas City DX Club and the Santa Fe Trail ARC members of my activities so they can put it out on packet. Thanks again and hope those who need ZF will try to work me."

ZP6, PARAGUAY

Juan, ZP5MAL, will be active during the CQWW SSB Contest as ZP6T, Single

Operator, Single Band (15 meter, HP). QSL via ZP5MAL. The Paraguay bureau is also "OK".

MORE CQWW SSB DX CONTEST STATIONS (Quick List)

The following was put together from various bulletins (OPDX, DXNS, DXNL, ARRL DX Bulletin, The Daily DX, National Contest Journal, QRZ DX...(ed. I hope I named all of them... TNX to all)

Callsign	Category	Operator(s)
CN8WW	SOABHP	DL6FBL
FS/K7ZUM	SOABHP	K7ZUM
P40W	SOABHP	W2GD
ZF2NT/ZF8	SOABLP	N6NT
3W6US	SO/ *	YB0US/NM6US
9M6AAC	SO/ *	KD6WW
A35XU	SO/ *	PA3AXU
A4	SO/ *	G0BQV
A61AC	SO/ *	DL2CC
FO0PT	SO/ *	DJ0FX
FR5ZU/G	SO/ *	FR5ZU
HO3A	SO/ *	KG6UH
HR1ERL	SO/ *	HR1ERL
HR6	SO/ *	VE3BM
VE3BW/HR6	SO/ *	VE3BW
J67LP	SO/ *	K3LP
N98ITU	SO/ *	W0AIH
PJ7/W4WR	SO/ *	W4WR
PJ8Z	SO/ *	K4ZA
V31MX	SO/ *	K0BCN
V47NS	SO/ *W9NY (exW9NSZ)	
VP2E	SO/ *	W1EK
UA0SJ	SO/ *	UA0SJ
US1I/VP9	SO/ *	US1IDX
ZK3RW (?)	SO/ *	ZL1AMO
5B4/EW1AR	SB/10M	EW1AR
P40Z	SB/10M	WA5ZVE
Callsign	Category	Operator(s)
P40N	SB/15M	W5AJ
ZS5BBO	SB/20M	ZS5BBO
4L5O	SB/80M	4L5O
5B4/NP3D	SB/80M	NP3D
FS/N7KG	SB/160M	N7KG
LZ2CJ	SB/160M	LZ2CJ
4U1VIC	M/S	DH3IAJ
8Q7IO	M/S	DL7IO
9Y *	M/S	DL4MCF, DK6WL
9Y*	M/S	DL4MDO, DL4MEH
B4R	M/S	BA4TB
CQ9T	M/S	CT3 Ops
FG5BG	M/S	So.Cal DXC
IQ9T	M/S	IT9s
PJ9Q	M/S	W4JVN, W9QQ

K7AR/VP2V M/S	K9JF
K7AR/VP2V M/S	N7MQ, NU
K7AR/VP2V M/S	K7AR
WP2Z M/S	W4WX
T32MP M/S	K0MP, RI
T32MP M/S	N0KV, W0NF
VP5T M/S	N2VW, WA2VYA
VP5T M/S	WA3RHW
VP5DX M/S	N4KE, + NFDXA
3E1DX M/ *	*DL5RBW, 1RBR, 9RCF
C56T M/ *	*Bavarian Contest Club
C6 M/ *	*KI6T, WR60, KA6WHA
DX100DX M/ *	K6MDX, DX1DX
HI3 M/ *	ON4ANT
HI8/DK8YY M/ *	DK8YY
TO8B M/ *	EA3BT, EOK(FM)
VO2CQ M/ *	VO1MP
WP2Z M/ *	W4WX, N2WB
WP2Z M/ *	W4CJK, VE3FU
WP2Z M/ *	W5OXA
WP3A M/ *	KP4 OPs
YE5B M/ *	YB5QZ, YB5PD
ZF2JI M/ *	KG8AR
AH2R M/M	Guam Contest Club
B1A M/M	OH ops & China ops
CI9DH M/M	VY2SS
IH9P M/M	IT9s, K/Ws, ZS, OK ops
J3A M/M	W8KKF + 15 ops
PJ9B M/M	N3ED
T88X M/M	JA6VZB, + 7 ops
V26B M/M	W3CF
XX9X M/M	USA ops, XX9 ops

Excerpts and distribution of The OPDX Bulletin are granted as long as KB8NW/OPDX/BARF80 receive credit.
www.en.com/users/k8yse/opdx.html

Successful DX'ers Start Early and Stay Late!



This is the owners manual from one of RCA's first TV sets in 1939... Notice the mirror in the lid. When was the last time you dressed up like this to watch TV?

Doctor DX...

Dear Doctor DX:

Every night around 9 or 10 pm I flip on the radio. Despite good band conditions on 20, I haven't heard any Europeans. What's the deal? Signed, Clueless.

Dear Clueless:

This is one of the more common DX problems... Consider the time difference and the propagation characteristics of the bands you're on. With London running six hours ahead of Oklahoma, at 9pm here it's 3am tomorrow morning in Western Europe. Add an hour or three as you go further east into Transylvania and your odds of working a European are limited to guys with names like 'Vlad' or 'Dracula'. While 20 Meters is often open all night, this doesn't mean there's anyone awake on the other side...

Dear Doctor DX:

I want to work skip on my CB but I keep getting walked on by the big QRT operators. I have 120 channels and a linyar that the CB shop says swings 150 pounds of modulation. What more can I do? Signed: The Master Blaster at the Bait Shop.

Dear Master Bai... Uhhh... Blaster:

Your first step is to avoid using 'Q' signs on the CB. It makes people think you're a Ham bootlegging as a CB'er. Real CB'ers won't talk to anyone who isn't a complete moron. As for equipment, your best bet is to buy used gear at a swap meet or garage sale. Be sure to ask the previous owner how many skips they've shot with it. With new equipment you won't know if it shoots skip until after you've paid for it. While 150 pounds of modulation sounds loud, you can increase the power out by increasing the power going in. I think all CB rigs should be run on at least 20 or 24 volts. Some radios won't handle that much power, but if yours does, you'll be Wall-to-Wall and Treetop Tall...

Dear Doctor DX:

Why does my radio work better on some days than others?

Signed, Quint R. Nester

Dear QRN:

You ask a complex question that is best answered in two parts. The first part, *Why?* has been asked since the very beginning of time. Great philosophers from the Phoenicians onward have pondered *Why?*. Scholars have translated thousands of ancient scrolls... All asking the same question: *Why?* Despite all this attention, no definitive answer has ever been found. In a way this is fortunate, because if we fully understood *Why?*, we'd then be challenged by *How?* and *When?* In answer to the second part of your question: *Does my radio work better on some days than others?* The answer is YES...

Dear Doctor DX:

My daughter is engaged to be married next spring to a young man who is about to finish his Doctorate in Quantum Physics at MIT. He's bright, energetic, has a warm personality and comes from a very wealthy family. They have a dream house under construction on five scenic acres near Bochita, Oklahoma, which will be ready for them after their honeymoon in the Azores... Normally a mother would be thrilled to have her daughter marry so well, but I've recently discovered he's an Extra Class Radio Amateur and, if that wasn't bad enough, he's a CW Contester!

I've tried in vain to talk my daughter out of the marriage but she refuses to listen. What else can I do? Signed, A Concerned Mom

Dear Mom:

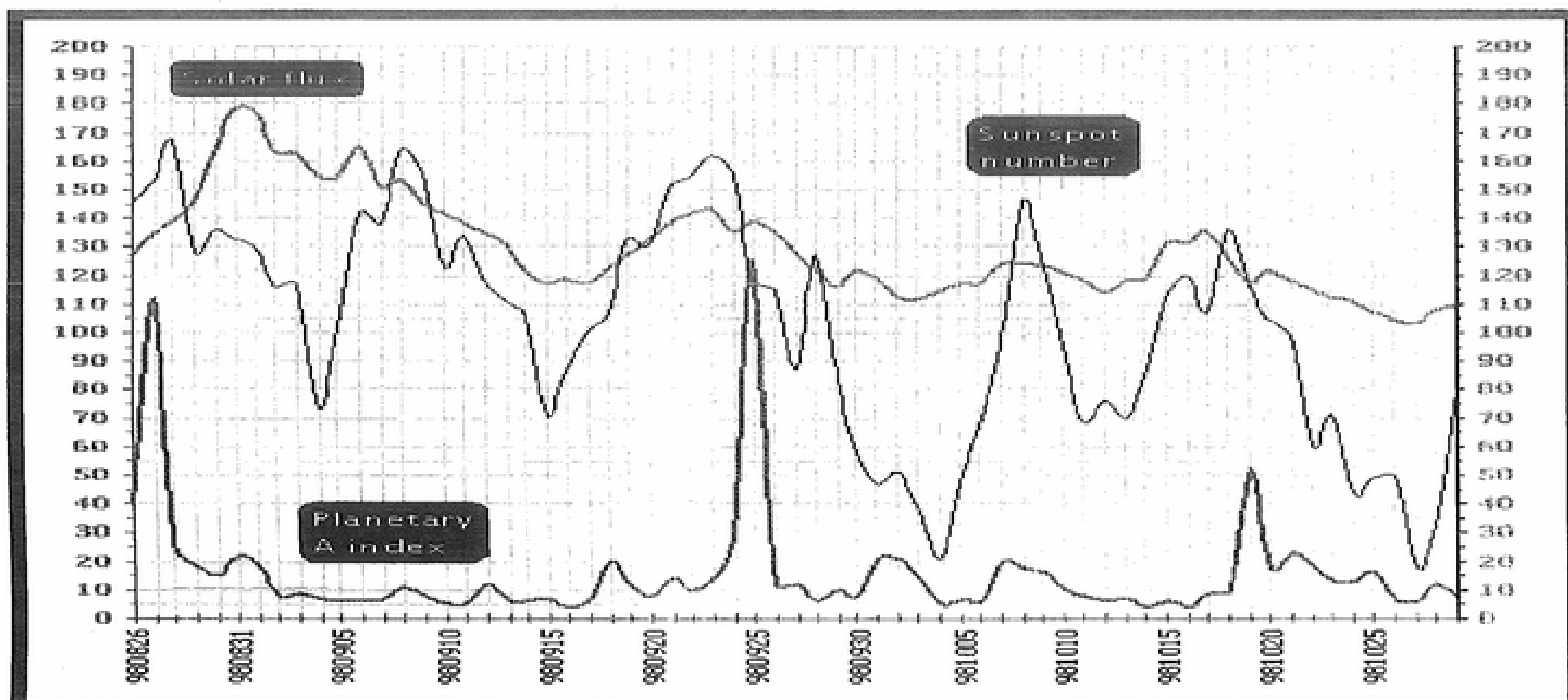
Desperate situations often call for desperate solutions... Although you could max out your credit cards or need a

Ol' Sol Takes A Break...

second mortgage to do this, here's a suggestion: Buy a recent issue of *QST* magazine and look for dealers advertising complete antenna and tower packages. Buy at least a 70' tower with a five or six element tri-band Yagi, rotor, guy wires, turnbuckles, and anchors. Give this to the happy couple as a wedding present. But do not, under any circumstance, include a

Lineman's Safety Harness. If your daughter can't have a perfect marriage, her next best bet is a short one...

Doctor DX isn't afraid to answer the truly weird questions QST and CQ are too clever to fool with... You can e-mail Doctor DX via kc5qvv@gte.net.



This chart is updated several times daily by The DX Listeners Club of Kristiansand, Norway – <http://www.dxlcl.com/solar>

Want to become a member of the OKDXA? Contact Mark Byard, N5OG, 504 Foster Ave. Ponca City, OK 74601-2519
Have some DX News to share? Contact Nelson Derks, KC5QVV, 13410 South 128th East Ave. Broken Arrow, OK 74011
E-Mail to: n5og@poncacity.net or kc5qvv@gte.net – Visit the OKDXA Web Page – <http://www.poncacity.net/n5og/okdxa>

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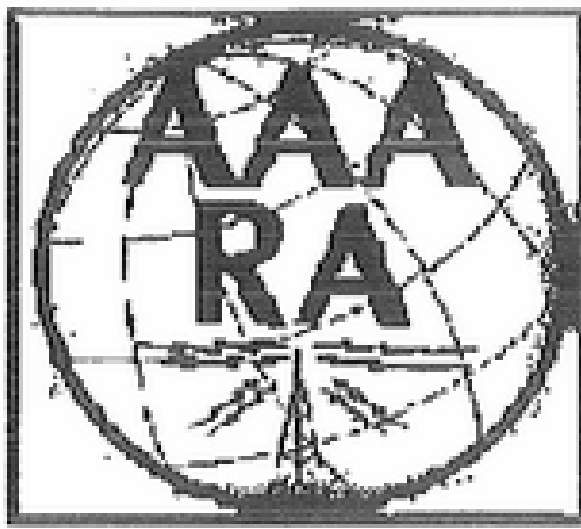
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Altus Area Amateur Radio Association

AAARA Editor's Note

We are pleased, this month, to offer for your enjoyment another in what we hope to be many installments authored by Radio Amateurs from around the globe. Again it is my pleasure to introduce VK7KT Graeme Semmens from Burnie on the Isle of Tasmania. As you recall, Graeme wrote an article for us two months ago on Wireless in Australia and provided us with much insight into the similarities and differences between our two country's regulations. This month he shares with us his experiences with WICEN and AREG, two Amateur Radio Civil Emergency organizations. Thank you, Graeme, for your well-written and equally well-received article. Any Oklahoma Hams who wish to contact him (by packet or email) can do so at the addresses he has listed at the end of his article.

So, without further adieu.

From The Devil Isle

Well it's a big G'day to all Collector & Emitter readers. I hope everyone gained some insight into Amateur Radio in Australia from my last article (published September 98), being my first attempt at this I was glad to hear from all of you who sent me messages either via my email or packet address.

Life within the Amateur Radio scene here in Australia can lead an Amateur to many paths of interest. Many clubs and divisions of the WIA here in VK are involved in varying areas that are related

to the general public. VK Amateur radio supports annual events such as the Scouting movement with JOTA (Jamboree of the Air) and also provides communications for fun runs, major car rallies, motor cycle endurances and other community events.

The emergency group "WICEN" (Wireless Institute Civil Emergency Network) provide communications back up for the bigger emergency networks in instances such as cyclones, bush fires, search & rescue and vehicle tracking in car rallies, horse enduros etc. My own personal involvement with WICEN and our local emergency group AREG (Amateur Radio Emergency Group) in annual events such as the world recognized Tasmanian TARGA Rally and the Tasmanian Lactos rally; have achieved a lot of recognition from organizers and the public along with special recognition from international competing drivers in the events.

The valuable network that Amateurs provide within these Emergency groups in vehicle tracking and general relaying of information is one of great importance and provides the main emergency groups and event officials with an alternative communications system.

The role in which an amateur plays with vehicle tracking involves the setting up of a portable radio communications station on the chosen amateur bands and can either lead to the use of Repeaters or relay stations on designated simplex channels. The operator is strategically placed within a special stage of the course, which can consist of several operator locations on any given special stage. Their role is to take down competitor vehicle numbers as read from the operator at the start line and to check them off as they pass by their particular location on the course, with the vehicle finally being checked off at the finish line with which the operator will announce on radio that all competitor vehicles have passed the finish line. If a particular competitor gets into trouble or goes missing on a stage, information can be relayed onto the emergency rescue crews with the result being that a quick response time is guaranteed in most

instances. In these events the amateur fraternity are exposed to the general public in a high professional manner.

The vehicle tracking exercise I have just described is of only one occasion out of thousands that Amateur radio plays a role in providing communication to other organizations. The most memorable natural disaster that has ever struck Australia was on Christmas Day 1974, when cyclone Tracy destroyed the township of Darwin, Northern Territory (VK8). A radio amateur in Darwin and another in Melbourne linked Darwin to the outside world in its biggest time of isolation. With all power and communications cut Amateur radio was the only outside link that Darwin had with the rest of world. In my next article I will provide you with extracts from the story of this disaster as told by the amateur operators that handled the 78-hour communication link on this fateful day.

Now along with the serious side comes the fun side as well with many clubs holding regular fox hunts and ham conventions, expos, which attract a lot of interest from the amateurs and public.

Well, that is all from the Devil Isle for this month, Until next time the best 73's to you & yours.

De Graeme, VK7KT

E-mail gsemmens@hotmail.net.au

Packet vk7kt@vk7ax.#ulv.tas.aus.oc

Altus Area Amateur Radio Assn. August Minutes

Meeting held at 711 W Tamarack Rd.
Altus, OK 8 Oct. 1998

Meeting called to order at 7:05 PM. by
Ron, KB5UVC.

Intro.'s- Done

Last months Minutes- read, voted and
approved

Treasurers Report- read, voted and
approved
Old Business-

None at hand.

New Business-

Picnic 31 Oct 98, at 11:00 a.m., North Shore at Lake Lugert Covered Pavilion #1. So far it will be a Potluck Type, Due to Burn Ban still in effect for Jackson and Kiowa Counties as of this day of the meeting. A set amount of money was set for supplies for the picnic. Contact Janice, KD5BNO about the details of it, and stay tuned for any changes, by listening to the 146.790 repeater.

24th Oct 98, Student Fair Fund Raiser, at SWTC, 10am to 10pm or so, in the field on the side of the building. The site will be 20' x 20', no power at all, a generator maybe there for hook ups, to set up a Operating Station to promote what we do as Ham's. For this Fund Raiser it is 'Free of Charge' space to AAARA Club and it's members are encouraged to be there to help the effort of HAM Radio in the Altus and surrounding communities to see what we are all about. Contact Ed, KD5DPK for info.

Dwight, WB5KRH talked about the Emergency Management items in case things happen around here, with the storms that went through Tulsa and OKC in the past several weeks.

The 146.790 input Antenna has been moved to a different location on the main tower, this was done for a Commercial Radio Station's move to Altus, and would have interfered with it's operations signals. But we understand and .79 is still working well in the new location.

Adjourned at 7:45 PM.

Next Meeting on: 12 Nov. 1998 at 7:00 PM.

Memory

By KC5EE0

In the past five years I have made radio friends. KC5AHX was so good to me and she was so interested in all of us. Vallie was very active in our Net and she was hoping the YL's would have one on 64 or 79.

Vallie fought her foe, cancer very hard. In between battles she organized the Club Picnic, held yard sales to finance our first Hamfest. She also encouraged our Club to go to area Hamfests and support them. She and her partner, N5VUR took part in Bunny Hunts, Bike races and Weather watches.

Vallie could not talk to us for many months. She still did all her activities and did a great job on the 1996 picnic. We lost Vallie to her Foe on October 3, 1996. She was 61 years old. I miss her still and will always remember her courage and helpful nature.

Space Bulletin 013

October 16, 1998

Phase 3D satellite to undergo testing

Amateur Radio's Phase 3D spacecraft will undergo pre-launch testing this month to analyze the satellite's ability to withstand the harsh environment of space. Thermal-vacuum testing is set to begin October 20 at Orbital Sciences Corporation in Germantown, Maryland.

The spacecraft was transported by truck from the Phase 3D Integration Lab in Orlando. AMSAT-NA Executive Vice President Keith Baker, KB1SF, says the satellite will be placed in a large chamber for the thermal-vacuum test, and most of

the air will be removed. "Then the temperature will be cycled up and down to simulate the harsh heating and cooling environment that the satellite is expected to encounter while in

space," he said. A complete thermal cycle runs about 36 hours. The Phase 3D satellite will endure five cycles.

Barring unforeseen problems with the thermal-vacuum test, Baker said, the satellite now is slated to undergo vibration testing to simulate the launcher environment either late this year or early next year.

While the satellite was in town, Maryland-DC AMSAT Coordinator Pat Kilroy, WD8LAQ, has been arranging opportunities for AMSAT members and supporters to view the spacecraft before it enters the test chamber.

For more information on Phase 3D, see the Phase 3D Spacecraft Integration Laboratory Web site,

<http://www.magicnet.net/~phase3d/>

German hams fearful

Hams in Germany are afraid that recent changes in their government leadership could lead to them being phased out if existence. According to the November 1st edition of Fred Maia's W5YI Report, the recent parliamentary elections have put a coalition of the Social Democrats and the Green party into power and it's the Green party pro-ecology politics that worry German hams.

The Green party has already gone on public record in opposition to the construction of any more flea power 6 watt cellular telephone sites for fear of them being located near populated buildings. The Green party is also demanding that U.S. owned Radio Free Europe transmitters and all nuclear power plants be shut down. They believe that both are a source of Mad Cow disease.

Now, German amateurs worry that the Green party might decide to target them next. This is because most German hams live in populated areas and run a lot more than the 6 watts that the cellular sites put out.

(W5YI)

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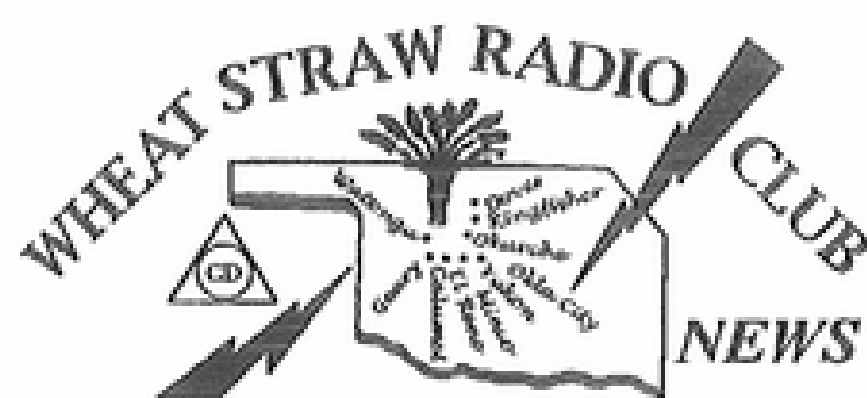
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Wheatstraw Amateur Radio Club

Meeting:

The October 11th meeting was held at Calumet, OK at the At the City Hall. The President Ray, AB5Z, called meeting to order at 2:30 PM. Seventeen persons attended our meeting. We had a good meeting which lasted longer than usual.

The repeater, next meeting, the Christmas Dinner, were among the items we discussed. Our next Meeting will be held in the Fellowship Hall of the Christian Church in Dover, OK. The Hall is just east of the Church. Different members volunteered and agreed to call a net if it is needed. The Christmas Dinner will be a covered dish affair. The club will buy the Turkey. Goldie will make the dressing and the balance of the meal will be covered dishes brought in by our lovely ladies, as far as I know at this time. We will have net every Wednesday night and will discuss the menu at that time. The dinner and meeting will be held in the Farm Bureau Building on the old 66 Highway, north side of the road. (This is on the West Side of town, across the street from the High School Football Field.) Please remember to bring your own eating utensils to the Dinner.

A Get Well card was signed by all to be sent to Howard, KD5AJS. He is in the Baptist Memorial Hospital, Room 627 as of this time.

Joe, WA5FTL asked all members to please pay their 1999 club dues by the November meeting. Our club dues are renewable by each December. He is asking this because with election of Officers, listing all whom come to our Christmas Dinner and we usually take up donations for the Crippled Children's Christmas Toy Fund, we had a lot to do before the end of the year is upon us.

We had a visitor attend our meeting. Everyone was glad to see Verlana Selby of Kingfisher, OK. We hope she will come back more often and become a regular. Verlana looked very well, thanks for coming.

Leo, WZ5H made the motion we adjoin for refreshments, Neal, N5KCO seconded and it passed without objection. Meeting adjourned.

Ralph, WA5PFK

Thanksgiving

By Letha Fuller

I am thankful that taxes
And raises in rent,
Come just once a year,
Or I'd live in a tent!

The many Blessings,
Go on without end;
I'm especially thankful,
For kin and each friend.

I'm glad for my neighbors,
I watch for their light,
I'm thankful they check,
To make sure I'm all right.

I'm thankful for memories
Of loved ones so dear,
For a chance to reminisce
The days of yesteryear.

I'm thankful for sunshine,
And the rain,
That we have the seasons,
Autumn's here again.

I'm thankful God's Blessings,
Are for the strong and the weak.
Just now, I'm right thankful,
My roof doesn't leak!

The Bells of November 11, 1918

By Frances Eberly

One of the most wonderful memories I have of my childhood are the Bells on the evening of November 11, 1918. During that day, central (the telephone operator) put in the number of rings that told every one to pick up their phone receivers, an important message to everyone. The message was that an armistice had been signed; the First World War was over, the boys were coming home!

This day was a day of real rejoicing. That night when daddy finished his chores he came into the house telling everyone, "put your coats on, come outside and listen to the Bells."

Most of the farmers had what was called a dinner bell and it was used to call in the workers to eat. So, Mama got the children's coats on and we all went outside and sat down to listen. The sounds they heard were the most wonderful sounds of their memory.

The sky and air was clean, and the stars were so bright, there were no horns blowing. The Bells were heard very clearly. Bells all over the countryside, from towns three and four miles away filled the air. The Church Bells also rang, all Bells rang for a long time, at least it seemed so...Music with the promise of hope and peace. A wonderful day to celebrate.

For all those born before 1945

We are survivors! Consider the changes we have witnessed. We were born before television, before penicillin, before polio vaccines, frozen foods, Xerox, plastic, contact lenses, Frisbees and The Pill.

We were before Radar, credit cards, split atoms, laser beams and ballpoint pens. We were before pantyhose, dishwashers, clothes dryers, electric blankets, air conditioners, drip dry clothes, and before man walked on the moon.

We got married first then lived together. How quaint can you be? Closets were for clothes, not for "coming out of." Bunnies were small rabbits, and rabbits were not Volkswagens. Designer jeans were scheming girls named Jean and having a meaningful relationship meant getting along with our cousins.

We thought fast food was what you ate during Lent, and Outer Space was the back of the Riviera Theatre. We were around before househusbands, gay rights, computer dating, duel careers, and commuter marriages. We had never heard of FM Radio, tape decks, electric typewriters, artificial hearts, word processors, yogurt and guys wearing earrings.

For us, time-sharing meant togetherness, not computer time or condominiums. A chip meant a piece of wood. Hardware meant hardware and software was not even a word. Back then, "made in Japan" meant junk and the term "making out" referred to how well you did on your exam. Pizza, McDonalds and instant coffee were unheard of.

We hit the scene where there was five and dime stores, where you bought things for a nickel or a dime. For a nickel, you could ride a streetcar, make a phone call, buy a Pepsi or enough stamps to mail one letter and two postcards. You could buy a new Chevy Coupe for \$600.00 but who could afford one? A pity, Gas was 11 cents a gallon.

In our day Grass was something you mowed, Coke was a cold drink and Pot was something you cooked in. Rock music was Grandma's lullaby while rocking in a rocker and Aids were helpers in the schools' Principal's Office.

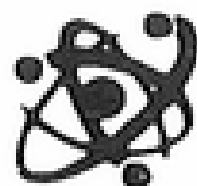
We were certainly not before the differences between the sexes, but we were surely before the sex change. We made do with what we had. We were the last generation that was so dumb as to think you needed a husband to have a baby.

No wonder we are so confused and there is such a generation gap today. But, we survived! What better reason to celebrate?

Ralph, WA5PFK

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Florida ham may challenge FCC charges

A Florida ham who was recently fined by the FCC now has an attorney and the lawyer seems to be getting ready to take on the local police force and FCC. He also does not seem to like the way that the press is reporting on his client. Newsline David Black, KB4KCH has more from our south-east bureau in Birmingham, Alabama.

The attorney for Palm Beach amateur Jeffrey Guss, KF4MWT, questions the validity of the charges against his client. In

a letter to the CGC Communicator newsletter, and posted to the CGC website, lawyer John J. McVeigh of Columbia, Maryland, cites what he calls troubling aspects in the case against Guss.

Guss was fined \$2,500 by the FCC for malicious interference to a business radio frequency. McVeigh says one of the police officers who took a major role in directing enforcement action against Guss was apparently upset because of interference caused to the officer's own home electronics.

suggests that "some third party has created circumstances which would lead the FCC to think that Mr Guss is their man."

Guss was accused after the Commission's Tampa office responded to complaints about foul language and unauthorized transmissions. Agents tracked those transmissions to Guss' home. That was one of two incidents that brought the FCC to Guss. The second incident, which occurred later that year, involved malicious interference to an amateur repeater used by a volunteer police force.

Investigators tracked those signals to a mobile station. When they closed in on the truck they say signals were coming from, they spotted Guss riding in the rear bed.

McVeigh's letter makes no comment about either of those specific incidents investigators say points to Jeffrey Guss as the source of the offending transmissions. From Birmingham, Alabama, David Black, KB4KCH, for Newsline.

What action he plans on behalf of KF4MWT has not yet been revealed by attorney Mc Veigh. </P>

(CGC Communicator)

McVeigh says he's not accusing the FCC of acting in bad faith, but he says he fears the Commission is mistaken about the case. McVeigh

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To all radio amateurs

ARRL Bulletin 94
October 28, 1998

Mitch stalls off Central America

Hurricane Watch Net Manager Jerry Herman, N3BDW, reports that, because of the extremely dangerous conditions along the coastlines of Honduras and Belize, the Hurricane Watch Net shifted late Tuesday to round-the-clock operation. Herman said the Hurricane Watch Net and the operators of W4EHW at the National Hurricane Center planned to operate through the night on 3950 kHz. The Net resumed operation on 14.325 MHz Wednesday morning, once 20 meters was open into the affected area. The Hurricane Watch Net shares storm tracking reports with the National Hurricane Center in Miami via W4EHW.

Thousands of residents of Honduras have fled for safer ground after Hurricane Mitch stalled just off the northern coast of the Central American country today. At least a dozen people have died as a result of the storm, which reportedly has damaged homes and generated torrential rains.

In neighboring Belize, most residents of Belize City fled inland to escape the storm's wrath.

Other Amateur Radio nets also are active. Herman says that Balta Sanchez, XE1UNR, has established the Mexican Hurricane Net on 7055 kHz and was forwarding reports from the Yucatan to the Hurricane Watch Net via radio and e-mail. The net also has had good support from Cuban hams who served as interpreters, Herman added.

Octavio Miranda, TI2OHL, in Costa Rica reports a Central America Emergency Net also has been active on 7090 kHz.

A health-and-welfare net was forming on 14.320 MHz with W9KJI as net control.

ARRL Bulletin 93
October 28, 1998

Comm Emergency Rescinded

The Voluntary Communications Emergency in effect due to severe thunderstorms and flash flooding in South Texas has been rescinded.

Voluntary clearance of 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 is cancelled effective 1700 CST today.

The FCC has requested that notification of clearance be transmitted on each frequency.

ARRL Bulletin 92
October 28, 1998

Hurricane Watch Net keeping eye on Mitch

Since activating October 24, the Hurricane Watch Net on 14.325 MHz has been tracking Hurricane Mitch--still an extremely dangerous Category 5 storm--as it moves toward landfall either in Belize or in Mexico's Yucatan Peninsula. "Our operation is proceeding well," Hurricane Watch Net Manager Jerry Herman, N3BDW, said Tuesday. He said the net has had very good response from Honduras and Belize. "We have some stations that we have been working with that are in harms way."

Herman said the main concern was to ensure that stations--and residents--had sufficient information about storm surges and winds so they can seek shelter. The storm has sustained winds in excess of 155 MPH. Guatemala, to the south, also was bracing for possible storm effects.

Some Hurricane Watch Net participants in the US and Caribbean have had less than a month to recover from the marathon Hurricane Georges operation, but Herman says all the regulars are "refreshed and ready to go."

For much of the day, the slow-moving storm's center has remained over water. "The one exception was Swan Island--of DX fame--where the eye passed directly

overhead," Herman said. "We were able to relay the warnings through VE3MCM/HR who, in turn, relayed them to the people on the island via non-amateur SSB radio."

Herman reports that Balta Sanchez, XE1UNR, has established the Mexican Hurricane Net on 7055 kHz and has been forwarding reports from the Yucatan to the Hurricane Watch Net via radio and e-mail. "We also have had good support from a number of Cuban stations who have acted as interpreters from English to Spanish for us," Herman added.

"This looks like it will be another prolonged operation."

During the past weekend, Herman said, the net had good participation from Jamaica, the Caymans, and Cuba. He reports that most operators during the CQ WW SSB contest were very cooperative and made room for the net.

ARRL Bulletin 91
October 26, 1998

FCC cracks enforcement whip

The FCC has begun to crack its amateur enforcement whip. A New Jersey ham has been ordered off 40 meters until further FCC notice after allegedly causing interference to the ANARC Net on 7.240 MHz October 18. The FCC also issued an Official Notice of Violation October 21 against James C. Thompson, KA2YBP, of Waretown, New Jersey.

Thompson, 58, was accused by FCC inspectors of illegally retransmitting programs from a Standard Broadcast (AM) station on 40 meters and willfully interfering with the amateur net. The FCC also charged Thompson with failing to properly identify.

It's the Commission's first amateur enforcement action since the FCC announced it would consolidate amateur enforcement within the Compliance and Information Bureau under the coordination of Riley Hollingsworth, K4ZDH, the CIB's legal advisor for enforcement.

Hollingsworth said the FCC acted in the Thompson case on complaints from amateurs, but FCC inspectors did all the legwork. The Notice of Violation says FCC representatives conducted an inspection of Thompson's station on the

morning of October 18. "From approximately 9:39 to 10:00 AM EDT, the licensee of station KA2YBP retransmitted programs from a Standard Broadcast station, broadcasting on 1450 kHz, to Amateur Radio Service frequency 7.240 MHz," the Notice said. FCC officials found an AM receiver "positioned adjacent to the Amateur station's microphone and tuned to 1450 kHz," the FCC said.

Hollingsworth said two FCC inspectors caught Thompson red-handed and that he admitted being the culprit. Hollingsworth said FCC personnel used a combination of long-range and local monitoring and tracking to zero in on Thompson's QTH as the source of the interfering signal.

Thompson has 10 days to respond to the notice and provide "specific action taken to correct the conditions observed above."

Hollingsworth said he expects to have some additional amateur enforcement cases develop as a result of calls to the Amateur Enforcement Line, 202-418-1184.

ARRL Bulletin 90

October 26, 1998

ARRL Board reaffirms, modifies its restructuring proposal

In a special meeting October 24, the ARRL Board of Directors unanimously reaffirmed the bulk of its July 1998 Amateur Radio License Restructuring plan with some modifications. Among other things, the Board's July plan would eliminate the Novice and Tech Plus license classes. To provide a logical entry path to HF for Technicians, the Board now has suggested offering CW privileges to Technicians in the current General CW allocations on 80 through 10 meters. Technicians would be permitted up to 200 W PEP.

The Board also agreed to replace the A, B, C, and D license class designations proposed in its July restructuring plan with the names Extra, Advanced, General, and Technician.

"The July plan eliminated the HF door by eliminating the Novice license," observed ARRL Executive Vice President David Sumner, K1ZZ. "This is, in effect, a

replacement for the Novice, but without an additional license class."

Under the July plan--and under the FCC's proposed streamlining--the entry-level HF license would be the General, which under the ARRL plan would require passing two written examinations plus a 5 WPM code test. Board members at the October 24 meeting near St Louis expressed concern that the leap to HF privileges under the July plan could prove too daunting, especially for younger newcomers. Some also were troubled about the growing gulf between the "traditional" HF operator and the newer VHF-only amateurs.

Addressing the Morse code requirement in the International Radio Regulations, Sumner summed up the Board's position by saying that the new privileges would amount to self-testing. "By their very nature, you can't use the privileges until you know the code," he said. "We're not expecting the CW bands to be overrun with people taking advantage of this, but as any CW operator knows, the best way to become proficient in the code is to use it on the air."

The special ARRL Board meeting was called to consider the League's comments on the FCC's amateur licensing "streamlining" proposals in WT Docket 98-143, released in August. Comments are due on the FCC's rulemaking proposal on December 1. During the daylong session, the Board also proposed that the FCC rules ban multiple-choice Morse code tests and establish that a passing grade for a code test be either 70 per cent correct answers to 10 fill-in-the-blank questions or one minute out of five of solid copy.

The Board affirmed its proposals in RM-9196 to improve the procedures for granting Morse code exam credit on the basis of a physician's certification of a disability. It also affirmed "its strong desire" that written exams be modified as necessary "to demonstrate better the depth of the applicant's current radio technical knowledge and operating skill."

The Board also supported retention of the topic definitions to be included in written exams, as contained in Section 97.503 of the rules, with some modification to accommodate the new four-class structure.

Under the proposed testing regime, the Technician exam would include 35 questions. Technician applicants must now pass both the 35-question Novice examination plus the current 30-question Technician test. Applicants for General would have to pass a 35-question test--up from the current 30 questions to include additional questions on operating practices. The Advanced exam would go from 50 questions to 40 under the proposal, while the Extra exam would go from 40 to 50 questions, including more highly technical subject matter.

The Board also reaffirmed its desire that Advanced class volunteer examiners be permitted to administer General class exams, and it renewed its request in RM-9115 for several rules changes involving RACES stations.

The Board noted that it had "heard and considered the views of thousands of ARRL members" on the amateur licensing issues raised in both the ARRL and FCC proposals.

ARRL Bulletin 89

October 26, 1998

FCC lifts restrictions on use of 7290 and 3935 kHz

At the request of ARRL South Texas Section Manager Ray Taylor, N5NAV, the FCC has lifted restrictions on the use of 7290 and 3935 kHz. The frequencies had been used for handling health-and-welfare traffic during the recent flooding in several Texas communities.

The FCC says that a voluntary communications emergency remains in effect for 7285 and 3873 kHz for the handling of emergency traffic. The frequencies are to be cleared within 3 kHz on either side. The FCC's Houston Resident Agent Oliver Long has asked all amateurs to cooperate by recognizing the communications emergency and relinquishing the use of 7285 and 3873 kHz between 8 AM and 6 PM Central Time.

ARRL Bulletin 87

October 22, 1998

FCC issues Universal Licensing System rules

The FCC has issued its long-awaited Report and Order on the Universal Licensing System, which affects all Wireless Telecommunications Bureau licensees. Among other things, the ULS will result in replacing Amateur Radio's familiar FCC Form 610 series with a new Form 605. The new rules become official 60 days after publication in The Federal Register-sometime around the end of the year. The FCC said it expects to have the ULS fully operational by next April. Using the ULS, applicants and licensees will be able to file, modify, and renew electronically. Access to the ULS is via:

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

The FCC's action consolidates approximately 40 existing forms into four ULS applications, including the new Form 605. All WTB application and filing procedures have been consolidated. Electronic filing in the ULS will not yet be mandatory for individual amateurs. Hams will have the option of filing electronically or on paper. However, electronic filing via the ULS will be required for Volunteer Examiner Coordinators in the Amateur Service.

Under the ULS, amateurs will use Form 605, the Quick-Form Application for Authorization in the Ship, Aircraft, Amateur, Restricted and Commercial Operator, and General Mobile Radio Services for all purposes. Applicants may continue to use the old forms for six months after the new rules go into effect, however.

Responding to comments from the ARRL and the W5YI Group, the FCC said it would include the Physician's Certification of Disability (Physician's Certification) on the new Form 605 in Part 2 of Schedule D.

As part of its Report and Order on the ULS, the FCC also issued amended rules (in WT Docket 96-188) to authorize visiting foreign hams to operate in the US pursuant to recent international reciprocal operating agreements. "We conclude that all alien amateur radio reciprocal operation should be authorized by rule," the FCC said. This means that foreign hams holding a CEPT radio-amateur license from a CEPT country or an International Amateur Radio Permit issued by a participating CITEL country may operate while visiting the US without having to

apply for permission. Additionally, it will be easier for US hams to operate in participating countries in Europe and the Americas. The authority would not extend to US citizens claiming second citizenship and an amateur license from another country, however.

Against ARRL objections, the FCC eliminated the one-year term for an alien reciprocal permit and will not require an FCC license document. The FCC noted that the new system is similar to the one already in place for US and Canadian hams to operate in each other's countries.

The FCC said it will require the submission of a Taxpayer Identification Number by applicants and licensees using ULS, "consistent with the requirements of the Debt Collection Improvement Act of 1996." Some commenters, particularly amateur operators, argued against the requirement, saying that disclosure of a TIN-typically a Social Security Number-raised privacy concerns and was unnecessary to the Commission's regulatory goals. But, the FCC said its security measures will limit access to TIN data both online and to FCC staff. "Once data has been entered into ULS, sensitive data such as TINs will not be accessible to the public," the FCC said. The FCC has not addressed how it plans to handle applicants who do not have a TIN, such as foreign nationals who hold FCC licenses.

The FCC stood by its plan to use certain eligible private-sector entities, on a strictly voluntary basis, to issue club and military recreation station call signs. The FCC said it plans to accept the services of any qualified organizations to issue club and military recreation call signs.

Both text and formatted versions of the complete Report and Order, WT Dockets 98-20 and 96-188, are available on the FCC Web site,:

<http://www.fcc.gov>

ARRL Bulletin 86 October 22, 1998

ARRL Board of Directors holds special meeting

The ARRL Board of Directors will meet in a special session on October 24 in St Louis. The agenda contains a single item: to consider the League's response to the

FCC's August "rules streamlining" Notice of Proposed Rulemaking, WT Docket 98-143.

Among other things, the FCC has proposed elimination of the Novice and Tech Plus tickets and a reduction from six to four license classes. The FCC also invited comments on a number of other issues, including Morse code testing requirements.

At its July meeting, the ARRL Board issued its own license restructuring proposals that also call for an end to the Novice and Tech Plus tickets and four license classes. Additionally, the plan would offer substantial HF privileges with a 5 WPM Morse code test, require a 12 WPM code test for Advanced privileges, and eliminate the 20 WPM code test for Amateur Extra privileges. The League plan also called for beefing up the Extra class written exam and "refarming" the existing Novice bands-primarily as additional phone segments. The ARRL informed the FCC of its restructuring ideas by letter but did not file a formal petition for rulemaking.

Comments on the FCC's NPRM are due December 1. Reply comments are due January 15.

ARRL Bulletin 85 October 17, 1998

FCC Voluntary Communications Emergency Declared

The FCC has issued a communications emergency at the request of South Texas SM, N5NAV due to severe thunderstorms and flash flooding.

All amateurs are requested to cooperate by recognizing the existence of a voluntary communications emergency and therefore relinquishing the use of frequencies 7285 khz (emergencies) and 7290 khz (health and welfare) during the day and 3873 khz (emergencies) and 3935 khz (health and welfare) during the evening hours. The frequencies are to be cleared within 3 khz either side of each frequency.

The communications emergency remains in effect until rescinded.

ARRL Bulletin 84

October 9, 1998

FCC Denies KV4FZ Petition for Reconsideration

The KV4FZ legal saga appears headed for the courtroom. The FCC has denied a petition for reconsideration filed by Herbert L. Schoenbohm, KV4FZ. This past summer, the FCC upheld the supplemental initial decision of an administrative law judge denying Schoenbohm's application to renew his Amateur Radio licenses. The latest FCC action on October 6—simply affirms that finding.

The next step is the United States Court of Appeals for the District of Columbia Circuit, which hears all appeals from federal agencies on adjudicatory matters.

ALJ Edward Luton had found that Schoenbohm, of Kingshill, Virgin Islands, had "engaged in misrepresentation and lacked candor" in testifying about his 1992 felony telephone toll fraud conviction and his solicitation of ex parte presentations. Schoenbohm was convicted in federal court of fraudulently using a counterfeit access device to obtain long-distance telephone service. The FCC also said he solicited others, using Amateur Radio, to make ex parte presentations on his behalf, in violation of FCC rules. The FCC said his behavior, in combination with his fraud conviction, justified nonrenewal of his ham ticket.

Schoenbohm has been trying to renew his ham ticket for the past four years. He maintains that the FCC should renew his license because his conviction was several years ago, his sentence light, and he's had a spotless record and been fully rehabilitated. The FCC disagreed, however, saying that Schoenbohm "has not demonstrated that he possesses the basic character traits of truthfulness and reliability that are essential to licenseeship."

Schoenbohm's license expired in 1995, and his call sign no longer appears in the FCC database. However, he has been allowed to continue operating as KV4FZ until his administrative and judicial appeals are exhausted.

ARRL Bulletin 83

October 5, 1998

FCC cancels voluntary communications emergency

At the request of Mississippi Section Manager Malcolm Keown, W5XX, the FCC has cancelled the voluntary communications emergency affecting 7285, 7290, 3873, and 3935 kHz. These frequencies have been returned to normal amateur use.

The FCC requested that notification of clearance be transmitted on each frequency.

The frequencies had been used during Hurricane Georges for the Gulf Coast Emergency and the Gulf Coast Emergency Health and Welfare nets.

ARRL Bulletin 82

September 29, 1998

Hurricane Watch Net closes; Georges languishes on Gulf Coast

With Hurricane Georges downgraded to a tropical storm, the Hurricane Watch Net on 14.325 MHz has finally been able to end its marathon operation. "Our business is done," said Net Manager Jerry Herman, N3BDW, as he got word of the storm's new status September 28. "It went well."

The Hurricane Watch Net had remained active for about 10 days straight as Georges moved from the Caribbean to the Gulf of Mexico, passing weather-related information via W4EHW at the National Hurricane Center in Miami.

The lengthy operation took a toll on net control operators, who became scarcer as the storm refused to quit. Herman said the net operated nearly around the clock, although 20-meter propagation was lost during nighttime hours. "It was a long haul for our operators," he said. "Every time I thought we were about ready to run out of operators, some more folks would jump back in there and do it again."

The Hurricane Watch Net formed in 1964 after Hurricane Besty.

Herman called Georges "a really unique storm that just kept going." At this point, Tropical Storm Georges continues generate heavy rain along the Gulf Coast. Flooding is reported in several states,

especially in Louisiana, Mississippi and Alabama.

Alabama Section Emergency Coordinator Joey Carter, AE4WP, reports Mobile and Baldwin counties have been the hardest hit, and additional flooding was expected in southern Alabama, where heavy rain was reported. Carter said more than two dozen tornado warnings went up in Alabama on September 28. The Alabama Emergency Net on 3965 kHz has continued active.

"We have had a lot of folks helping out on the Emergency Net, and that has been a blessing," Carter said. "We're getting good information back that we are able to send to the National Weather Service."

Hams in Texas, Louisiana, and Mississippi were cooperating with regional HF nets for emergency and health-and-welfare traffic as well as linked VHF/UHF repeaters.

ARRL Bulletin 81

September 29, 1998

FCC shifts Amateur enforcement duties

The Federal Communications Commission has announced a change in how it handles Amateur Radio Service enforcement actions. On September 1, all investigation, evaluation, and processing of Amateur Radio-related enforcement matters were transferred to the Compliance and Information Bureau. The change was made "by internal arrangement" between the CIB and the FCC's Wireless Telecommunications Bureau. The Wireless Bureau handles amateur licensing and, for the past several years, has shared enforcement duties with the CIB.

The main objective of the change, the FCC said, was to "facilitate the Commission's pursuit of compliance," especially in the area of resolving interference complaints, a hot-button issue within the amateur community.

"Amateur enforcement should have gotten more direct attention over the years," conceded Riley Hollingsworth, K4ZDH, the CIB's legal advisor for enforcement. "A lot of people think the FCC doesn't care."

Hollingsworth will be the FCC's point man in handling the complaints. He says FCC Chairman William Kennard "wants greater

respect with respect to enforcement" at the FCC. Hollingsworth said putting enforcement in the CIB's hands should mean "a much faster, more effective response."

ARRL General Counsel Chris Imlay, W3KD, says he's "cautiously optimistic" that the change will improve the dismal amateur enforcement situation. "Now, CIB doesn't have to just gather evidence and forward it to another bureau," Imlay said. "It can act on it when it is ready. That's a good situation compared to where we were."

The FCC's public notice-issued nearly a month after the change-said the CIB staff now handles Amateur Radio enforcement matters "from initiation to resolution." That includes complaints, amateur testing issues, warnings, monetary penalties, revocation hearings, and "in extreme cases" equipment seizure and prosecution through the Department of Justice.

The Wireless Bureau continues to handle Amateur Radio licensing, including new applications and renewals, as well as all Amateur Radio policy and rulemaking matters. The change is expected to have no impact on the Amateur Auxiliary.

Under the new arrangement, all amateur enforcement questions and complaints should be directed to the Compliance and Information Bureau, Compliance Division, Attention: Amateur Complaints, 1919 M St, Mail Stop 1500E1, Washington, DC 20554.

The FCC also has instituted an "Amateur Enforcement Line" at 202-418-1184. The automated system prompts callers to leave a name, a number, and a brief message. A CIB staffer is supposed to return the call within the next business day.

ARRL Bulletin 80 September 28, 1998

Mississippi hams counter Georges with regional response

Hurricane Georges already has worn out his welcome, but he's not out of steam. After devastating several Caribbean ports of call and clobbering the Florida Keys last week, Georges spent the weekend regaining strength in the Gulf of Mexico. Heavy rains and high winds along the Gulf Coast, including the Florida Panhandle,

Alabama, Louisiana, and Mississippi, presaged the storm's landfall early Monday morning near Biloxi, Mississippi.

The storm has been packing 105 MPH winds, but gusts of up to 176 MPH were reported at Keesler Air Force Base at Biloxi. Rain totals of 25 inches along the hurricane's track were expected. Tornadoes spawned by the storm struck shelters in Pascagoula and Gautier, Mississippi, but no one was hurt. Concern for flooding prompted the evacuation of more than 1-million people from New Orleans and vicinity. New Orleans, which has a system of federally operated dikes and levees, is below sea level and vulnerable to flooding. However, the storm and its copious rainfall has centered more to the east, sparing "The Big Easy."

The FCC on Sunday declared a communications emergency in Mississippi, Louisiana, and Texas to clear 7285 and 7290 kHz during the day and 3873 and 3935 kHz after dark (3 kHz) for emergency traffic only. Mississippi Section Manager Malcolm Keown says hams in Mississippi, Texas, and Louisiana have been cooperating in the storm response. The net on 7285 and 3873 has been handling emergency traffic for the region. The net on 7290 and 3935, run by South Texas SM Ray Taylor, N5NAV, is handling health-and-welfare traffic.

"Disasters don't stop at section lines," Keown said. "It's been a very good cooperative effort, so this has been a very good demonstration on how folks can get together and make it all work." He says hams also are cooperating with the Mississippi Emergency Management Agency and the Red Cross.

Keown says many Mississippi repeaters have been linked for the first time as well, so hams throughout the region can participate in the emergency response on VHF and UHF.

Only last week, Keown said, hams in Mississippi held their Simulated Emergency Test that included a mock response to a storm similar to the one actually occurring this week.

Hams in Mississippi and elsewhere in the affected region have been filing weather condition reports to W4EHW at the National Hurricane Center via the

Hurricane Watch Net on 14.325 MHz. The Hurricane Watch Net has been in nearly continuous operation for the past 10 days. The Friendly Caribus Net on 14.283 MHz has handled health-and-welfare inquiries.

In Alabama, SEC Joey Carter, AE4WP, reported hams were busy. "Mobile and Baldwin counties are getting pounded, but early reports contain no major damage," he said. "There are some power outages, some telephones out, and lots of water over roadways, but no major structural damage." The Alabama Emergency Net is active on 3935 kHz.

In Northern Florida, SEC Nils Millergrén, WA4NDA, reported shelters open in three counties with more than 3000 people in Escambia County alone taking refuge. Major flooding occurred in Escambia, the state's westernmost county. Shelters also were open in neighboring Santa Rosa County and in Hernando County further down the Gulf Coast. Millergrén said a VHF net was open for West Panhandle District traffic. Hams were not expected to staff shelters unless commercial communication was lost or help was requested. He reports flooding has closed some roads and bridges. ARES was reported available for emergency communication to the western panhandle counties.

In Puerto Rico, which suffered heavy damage at the hands of Georges, hams have continued to help, especially in areas where conventional communication is out. ARES member Victor Madera, KP4PQ, reports thousands still in shelters, but "FEMA and Red Cross are doing wonders." Most amateur storm recovery activity in Puerto Rico has been on VHF, he said. "Power is back in about 50 percent of the island," he said. Central Puerto Rico was the worst-affected region because of the mountainous terrain. Power lines knocked out there have been difficult to reach to repair. Telephone service is spotty in some parts of the Commonwealth.

It's been reported that tens of thousands of Caribbean residents took refuge in shelters. Even so, more than 300 deaths now have been reported throughout the Caribbean, many of them in the Dominican Republic and Haiti.

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John Winkler, WB0VRA Route 1, Box
53A Gower, MO 64454 Ph: 816-424-6484
E-mail: WB0W@IBM.Net

February 6 1999 - West Memphis, AR
Dixie AR Group - Kellye Farris, KB5RCE
432 Ross Ave., West Memphis, AR 72301
870-732-8724 E-mail: dixiefest@media-
two.com

February 20 1999 - Russellville, AR
Arkansas River Valley AR Foundation,
Margaret Alexander, KC5MCS 1511
North Jackson, Russellville, AR 72801
501-968-7270 E-mail:
ealexand@cswnet.com

March 13 1999 - Kansas City, MO -
Ararat AR Shrine Club, Kansas City, MO
Steve Dowdy, WJ0I 12411 Olive St.,
Kansas City, MO 64146 816-941-3392 E-
mail: sdowdy@qni.com

March 13 1999 Fort Smith, Arkansas
Location - Fort Smith Civic Center
(More information later) or call Kelsey
Mikel, KK5KU 8604 Urban View Dr.
Fort Smith, AR 72903 Phone:
5016517003 e-mail: kk5ku@amsat.org

ANNOUNCEMENTS

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Army HQ at NW 50th and N. Penn,
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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.

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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
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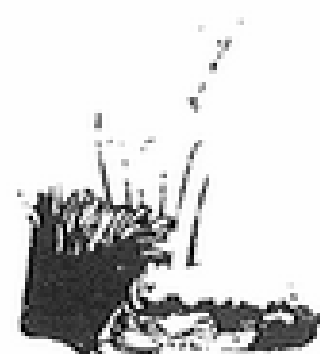
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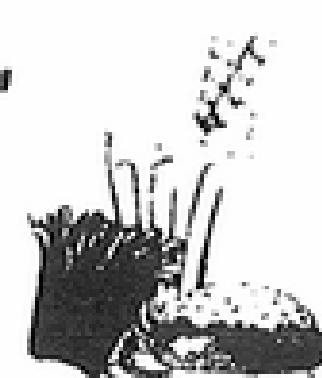
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							November 1998													
4	5	6	7	8	9	10								6	7	8	9	10	11	12
11	12	13	14	15	16	17								13	14	15	16	17	18	19
18	19	20	21	22	23	24								20	21	22	23	24	25	26
25	26	27	28	29	30	31								27	28	29	30	31		

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1 2:00PM-2:30PM American RC VE Exams	2 9:30AM-10:00AM Broken Arrow ARC	3 7:00PM-7:30PM Lawton/Ft Sill ARC	4 7:00PM-7:30PM Aeronautical Center 7:30PM-8:00PM Cimmaron ARA	5 7:00PM-7:30PM Tr-State ARG 7:00PM-8:00PM Altus AARC	6 9:30AM-10:30AM BAARC VE Testing 10:00AM-10:30AM Ada ARC 2:30PM-3:00PM Vinita VE Exams	7 9:30AM-10:00AM South Canadian ARS 10:00AM-10:30AM SCARS VE Exams 3:00PM-3:30PM Stillwater VE Exams
8 2:30PM-3:00PM Wheatstrow ARC	9	10 11:00AM-11:30AM Oklahoma VHF Club	11	12	13	14
15 2:00PM-2:30PM Edmond ARS	16 5:00PM-6:30PM CORA VE Exams 7:00PM-7:30PM Choctaw ARC	17 7:30PM-8:00PM OCAPA	18	19	20 9:00AM-9:30AM Southern Temple BC VE...	21
22	23 7:30PM-8:00PM CORA	24	25	26 5:00PM-6:00PM C&E Deadline	27	28
29 6:00PM-6:30PM Shawnee VE Exams	30					