

# Collector & Emitter

A CORA Publication

**May 1995**

Volume 21, Number 05

Issue 243

50¢

Postmaster See Page 2  
For Postal Information

Second Class Mail

**SS is OKAY in OK**

**Letter from a C&E Founder**

## ARES AIDS RESCUE



**Terrorist Bomb Sends Amateurs to Action**  
**Hams Were there Minutes After the Blast**

**Leonard T. Hanstein Scholarship**

**Last CW Message from NMN**

**Collector & Emitter**

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**Central Oklahoma Radio  
Amateurs, Inc.**

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**May 1995**

VOL. 21, No 05, Issue 243

**Collector and Emitter  
(USPS 116-150)**

is published monthly by CORA, Inc.  
4216 Spiva Drive Del City, OK 73115-  
4424. Second Class postage paid at  
Oklahoma City, OK.

Subscription rates:

CORA Member \$4.80 per year

Paid subscription \$7.00 per year

Postmaster:

Send address changes to;

**Collector and Emitter**

P. O. Box 95942

Oklahoma City, OK 73143-5942

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<b>2. Oklahoma Central VHF ARC</b> Meets: 1100L, 3rd Saturday, Neighbor's Resturant 3401 N. Classen Blvd, OKC Pres: Jackolyn Olsen, KA5ENU VP: Ken Eason, KF5JS Sec: Joe Buswell, K5JB 732-0676 Treas: Ellard Foster, W5KE 789-6702 Editor: Joe Buswell, K5JB 732-0676	<b>14. Cimmaron Amateur Radio Assn.</b> Meets: 1930L, 1st Thursday, WX5Y Playhouse 827 S. 13th, Fairview Pres: John Medley, N5WVU VP: Kenneth Monahan, KB5SOM Sec: Dennis Painton, WK5V 764-3599 Treas: Nadine Painton, N5FMH 764-3599 Editor: Kenneth Monahan, KB5SOM
<b>3. Mid-Oklahoma Repeater, Inc.</b> Meets: 1900L, 1st Tuesday, Favorite's Cafe, 36th and S. Western, OKC Pres: Scott Walsh, N5NYS 787-3804 VP: Rick Masters, N5WNR Sec: Jim Buswell, N5BEQ Treas: Craig Cornwall, N5VIS Editor: Dean Ward, N0PAD 681-4606	<b>15. South Canadian ARS</b> Meets: 0930L, 2nd Saturday, Red Cross Bldg North OU Campus, Norman Pres: Don, KJ5KB 321-1673 VP: Mike Winkel, N5SOF 366-8639 Sec: Keith, KB5FCI 329-2213 Treas: Bill, N5UMH
<b>4. Oklahoma City Autopatch Assn.</b> Meets: 1930L, 3rd Tuesday, Salvation Army Bldg N.W. 50th and Penn, OKC (Back Door) Pres: Brad Nelson, KJ0W 793-9470 VP: Mike Fields, KB5WIC 720-9123 Sec: Perry Jenkins, KB5TOT 354-5075 Treas: Cheryl Brassfield, KB5WQR 685-8070	<p style="text-align: center;"><b>Support Ham Radio</b></p> <p style="text-align: center;"><b>Do You Know of A Club That Does Not Belong to CORA? Let's Make CORA Grow!!!!</b></p>
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# Terrorist Bombing Calls ARES To Duty

At 9:04 a. m., Wednesday, April 19, 1995 the lives of many amateurs and citizens of Oklahoma City, and the United States in general changed forever. A terrorist bomb destroyed over half of the A. P. Murrah Federal Building. The explosion was heard all over the city and much of the state. Within minutes of the blast help was on the way, police had set up road blocks to keep sightseers out, firefighters were on scene fighting to put the fires in cars out, emergency medical personnel were assisting with the injured.

As this was happening the local Amateur Radio Emergency Service (ARES), was activating an emergency net. Fifteen minutes after the initial explosion rocked the downtown area the 146.22/82 OCAPA repeater came to life with the Oklahoma County ARES net. John, KC5DRI opened as net control, and other amateurs proceeding to area hospitals. Don, KC5BRO, a retired Oklahoma City police officer, proceeded to the site to act as liaison between the Police command post and the ARES net.

Net traffic was very heavy as personnel checked in from area hospitals and requested information on numbers of casualties to expect and when they would arrive. Requests for medical supplies came from the hastily set up field hospital / triage area flowed. Need for surgical masks, rubber gloves, gowns and D5W were among some of the first. As the day progressed and the Red Cross and Salvation Army got their food canteens up and running to provide food and drinks to the emergency personnel, traffic change to request for ice, and locations of the units so rescue workers could be directed to these locations. Still in the midst of all this confusion the traffic continued to be controlled with minimum of errors. Considering that the downtown Oklahoma City area is considered by many to be intermod alley the traffic did not stop. For to do so could cause the further loss of life.

Calls from other ARES chapters came in to see what, if any, assistance they could be. Hospital staff and emergency surgeons from Tulsa called in aeronautical mobile to advise the EOC they were in route with several choppers and a fixed wing aircraft. An emergency medical crew from Ardmore called into the net requesting to know where and whom to report to, also for directions on how to get thru the road blocks put up by the law enforcement agencies.

All during this, warnings to minimize transmissions and use lower power flowed from net to those in the controlled area, as several times during the day other unexploded devices were found. Standing in the area of a Red Cross vehicle helping distribute drinks or relay communications with net to and from the triage center, suddenly a stampede of people would come running from the



direction of the building. "Get out! there's another bomb!" would ring out from Deputy Sheriff and police alike. Movement from the different command posts and service agencies was like sitting in a boat adrift in the tide. One never knew where the rush was going to take you.

Slowly as the day wore on the requests for medical supplies dwindled to almost nothing, and the request for the most dreaded item came across the net, the call for body bags. This is a chilling feeling realizing that all the injured that have been found are now on the way to hospitals or already there.

The traffic slowly built to a point that all MWR type traffic had to be diverted to the 146.07/67 MORI repeater, then forwarded out of state on HF at 3900kHz. Jim, WA5LKS opened shop there to handle that traffic, and this during the start of a mild Oklahoma thunderstorm.

Finally as the day workers came off shift and were able to replace those that had been there all day the traffic settled into a steady flow for requests for man power and supplies to the relief canteens. Amateurs were calling in to see where they may be utilized and how. Calls for replacement batteries and locations / availability of commercial power to charge spares came in as dark started to fall on the city. Most priority traffic was now being handled by the different agencies on their own. But the amateur radio community continued with its net of support for the relief agencies.

As of the time I went to bed the net was still handling traffic to keep the rescue workers and investigators fed and supplied with coffee. I will admit there was so much traffic that I being in the field could not keep track of it all. I do know this that the amateur radio operators and those agencies that support them are alive and doing well in Oklahoma. A terrible tragedy has shown that the amateur community can and will rise to the occasion to provide whatever support is needed, be it communications or delivering ice, drinks or food to those that need it.

There were several comments in conversations with different people that we as individuals could have been better prepared for this or any disaster. Keep in mind, that no matter how you prepare for an event there will always be something you will over look. Don't feel bad you were missing a spare battery or other minor item, events such as this bombing bring these events to light and teach us that our preparedness drills need to be more intense at times and we need to keep those up. For preparedness is the key to being ready.

In this disaster ARES has shown to the world that we, as amateur radio operators, are ready to handle any disaster or emergency that could possibly arise. The hard work and training has paid off with the operation of a Net that the most hardened net operators would be proud of. We have given the people of Oklahoma City the best we could give and responded before we were asked. Now lets keep the training and increase our preparedness to a better level that we may never need be used again. The Strategic Air Command has practiced this for the last 50 years and may ARES hold the same record someday.

I have mentioned only a few of the people and calls involved with this terrible event. Those people that assisted on the net and responded to the call for help know who you are and can be proud of the service you have provided.

## End of The World?

I heard the explosion Wednesday morning and thought it was a sonic boom over my head as I was working just north of Tinker on the departure end of the runway. It was not until one of my coworkers arrived to tell me that a building downtown had blown up, and we walked out to see the smoke blowing away, I didn't even think to turn on my 2 meter rig in the company vehicle. I monitored the ARES net that had already come on line, there came a call for more radio equipment and personnel to assist. Calling my boss and explaining that I had capabilities that were needed I was released from work to assist.

I gathered my extra power supply and gear heading for the police command post where they needed a more powerful radio with dual band capabilities. Taking almost 45 minutes to work my way thru the traffic and roadblocks I finally got to within walking distance of the command post. Finding N6CL and KB2LWS, I dropped my dual band Kenwood and antenna for them to use. Feeling there was no need for me to stay there I called KC5BRO to find out where the triage

station was located. I started south to hook up with the triage team feeling I could do more there.

I proceeded east on 8th Street from Harvey past the Bell Telephone building, windows and other parts of the building were all over the ground. There might have been a lone window intact and one on either side of it blown in or out as the case may be. There was glass and bits of structure on the sidewalks, so the safest place to walk was the middle of the street.

Continuing south on Robinson, I saw minor structural damage to a church on the east side of the street. The top 12 to 18 inches of the small dormer roofs were gone, laying on the grass and sidewalk beside the church. As I continued south more and more damage was noticeable. Windows blown in from the blast, doors smashed, some even torn out of the wall frames and all. There are not many cars down this way due to no parking along this stretch of the street. Those I did see had damage, maybe a dent here or there, others with windows cracked some with no obvious signs of damage from my vantage point.

After a ten minute walk, picking my way thru the rubble, not all that much, I crossed 5th Street, looking to my right was the Federal Building. It was beyond comprehension. The entire north face of the building was gone, laying in the street, looking to me as if it was a pile of rocks and garbage someone had thrown against a wall. Steel reinforcing bars were hanging from the reaming portions of the building like spigot on a fork. The interior of the structure looked like a tornado went thru all the floors, desks, walls, file cabinets were everywhere, smashed and in total disarray.

The east end of the building had dark brown panels as part of the decorative outer covering, these were cracked and broken in numerous places. Some of these panels were missing, letting me see into the building from the east. Total destruction was still the rule here also. The street along this side was littered with debris and glass from both sides of the street. The parking lot to the north of the

building was full of burned out cars. This was where the major fire threat came from, fuel in the tanks bursting into flames from the concussion during the blast. These cars looked as if a child had thrown their toys on the ground. I didn't linger along here, kept moving to keep from attracting attention. I didn't want to be thought of as a looter, I hadn't heard of any reports yet and I didn't want to be the first.

South of the federal building, I entered the principle downtown area, here the storefronts and windows were all over the street, hanging ceilings were on the floors, cables from lighting and phones were hanging like vines in a jungle movie. There was no one moving here except for the state and local police providing security to keep people out. As I moved south past the library, two state policemen stopped a man in front of me and asked where he was going, also told him to put out a cigarette he was carrying. He was trying to get to his car, so he said. They still had to tell him to get rid of the cigarette. They made him go around another way. As for me, they asked me the same, I respond by telling them I'm was going to the triage center, and was with the amateur radio operators providing communications for them. They grudgingly let me pass.

As I walked further to the south trying to get to Park Street the city looks like something out of one of the end of the world movies, not a soul moving around except for myself and the police officers posted at the barriers, most of them were just standing around monitoring their radios for news. The whole area was silent as a tomb. It seemed almost scary, to think that just a couple of hours ago this was a thriving business district.

Damage to the upper floors didn't seem to be as bad as at ground level. The concussion from the blast seemed to be more concentrated here on the ground. Maybe the buildings directed the damage or provided a little better protection, I just don't know. I made it to Park Street and started toward the west. I went to the wrong corner, I'll admit I don't know downtown as well as I possibly should.

Walking across to Hudson there seemed to be more activity as I got closer to the triage area. Most people were just walking around or standing in groups, trying to see what was going on. The Red Cross has a truck set up to give out drinks and food that would be needed but had not yet arrived on location.

I meet up with Don, KC5BRO; Keith, KI5XA and Glenn, N5WNL all standing around don's truck monitoring the ARES Net on 22/82. Suddenly Sheriff's deputies on horseback told the crowd to get back, there had been another device found, or so we were told and to get out of the area. People were directed to the north up Hudson. Don and Keith took their vehicles with the radio gear with them, and I grabbed a ride from Don. Moving slowly up Hudson the sheriff is riding trail on the crowd insuring that no one is left behind should there actually be another bomb.

The group I was with sets up shop on 6th Street between Harvey and Hudson, distributing what drinks, mainly water and warm canned tea, that were available. Police officers were trying to keep the news media out of the area, still they kept coming in through the alleys and side streets.

Suddenly out of nowhere a mob comes running from around the corner near the downtown post office. "Get out of here they found another bomb!" rings the cry again. We started out of the area unsure of where to go this time, when a deputy sheriff in Battle Dress Uniform said, "It's a false alarm", something that looks like a bomb from the rubble I figure. Probably going to be lots of that.

The Red Cross truck decided to relocate again and we follow, end result is I pass by the corner of 8th and Robinson making a full circuit of the building. The damage was scattered over a wide area, going from simple window breakage to whole walls that caved in several blocks away. There was no way to guess what buildings will have what type of internal damage. In all my years of seeing the world as a military member I have never seen damage such as this was done in such a

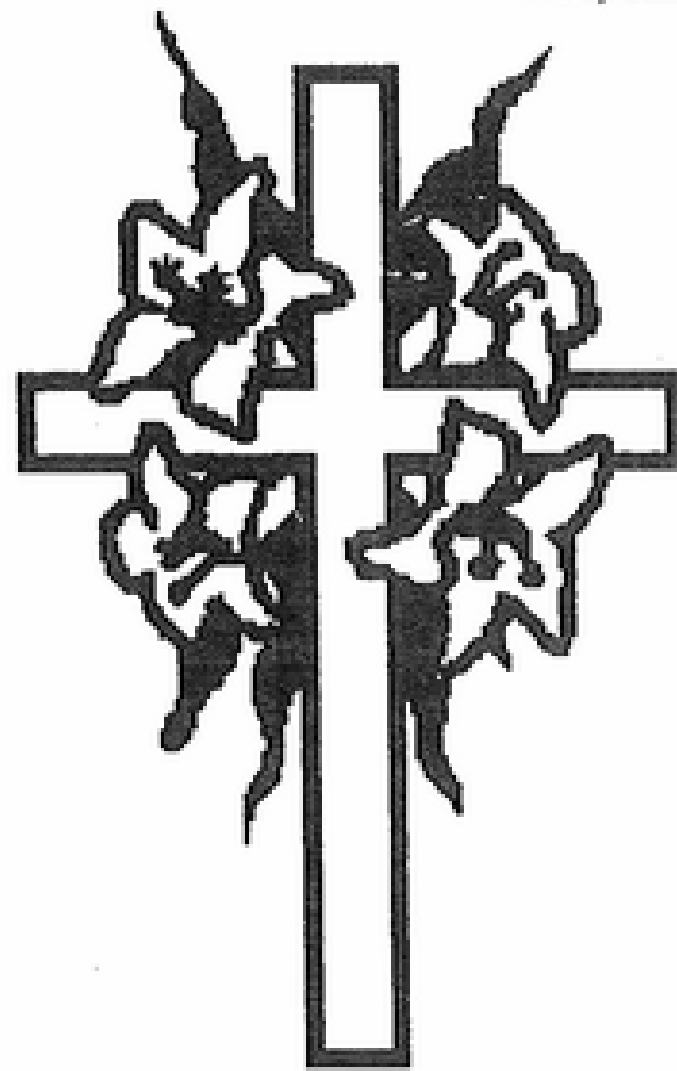
short time. Hurricanes last for several hours and leave large areas of destruction. Nothing prepares you for this.

Reading fictional novels about the end of the world, only lives in the imagination of the author. They do nothing to help you realize the magnitude of damage done in an instant from a terrorist attack.

No one dreamed that OKC would be a target for a Bomb, we never thought we were that important or a threat to the rest of the world. Yet, someone did. The amateur radio community was there in an instant and as of this printing are still continuing to support the disaster relief efforts. We can be proud that our training and radio discipline which has carried us over to be able to react without a second thought when we were needed the most.

73

Hal, KB1ZQ



## Central Oklahoma Radio Amateurs, Inc.

Minutes of the March 28, 1995 meeting.

The meeting was called to order at 7:30 by Chuck K5NK. Five officers were present and five clubs represented with 21 in total

attendance. The minutes of the February 28 meeting were accepted. The treasurers report for March was accepted.

*C & E* - discussion of over due bills for *C&E* - MOTION: If a club is 60 days past due, the circulation of *C&E* will be cut off to that club. Motion from Mike KB5WIC second by Brad KJ0W. MOTION: To establish payment due date of the forth Tuesday (same day as CORA meeting) of the billed month. Motion from Forest N5VWF second by Bob W5HXL.

Ham Holiday 95 - Pre-registration flyers were taken to Midland and will be taken to Mooreland and Lawton hamfest. Dealer invitation letters for HH-95 were mailed last month and dealer registration letters will be mailed early April. The HH-96 dates will be set and letters sent to dealers as soon as known.

CORA has for several years coordinated a group policy covering several local clubs tower liability insurance. The MORI and EARC clubs have withdrawn from the group tower liability coverage.

Jim N5BEQ (former CORA secretary) submitted a page to the editor of *C&E*. Hal thought it's content was questionable and requested the opinion of the board. Copies were distributed to officers for review. It was recommended that the publishing of the page be decided at the CORA meeting. After long discussion, a motion to publish the letter passed 9 to 5 with the officers abstaining.

Additional discussion covered past records of CORA. The change in officers was last October and the records have been requested many times from the former secretary. The only records made available were three years of minutes of meetings. MOTION: To suspend the request of business records from Jim N5BEQ. Motion from Charlie WA5JGU and second by Hal KB1ZQ.

The meeting adjourned at 9:15pm.

John Brassfield N5SAM  
CORA Secretary

## SS is OKAY in OK

Airfare was finally brought the price of round-trip ticket to Oklahoma City down to a reasonable level in early November, so I was able to take up John, NJ1V (better known as "Victor"), on his offer to come down and participate in a multioperator operation for SS phone. After a next nothing CQWW SSB weekend and an aborted SS CW effort, I'm more interested in an SSB contest than usual! The last-minute preparations are somewhat reminiscent of last year's jaunt to P40N for CQWW CW. Plans for that expedition began barely three weeks before the contest and the combination of the American Airlines flight attendants' strike and the lack of a license almost kept it from happening. But that's another story

Getting to Oklahoma from Connecticut is quite an adventure. I'm 2 1/2 hours late in leaving Hartford due to low cloud cover at Chicago's O'Hare. Spend lots of time watching the latest fad -- CNN *Airport Network* -- while waiting an additional hour for the connecting flight. The guy next to me on the leg to Oklahoma City is in the oil business (what a surprise!) and claims that he rarely has a problem with O'Hare in his frequent trips through there. Don't realize it at the time, but I'm sitting directly behind well-known US Olympic gymnast Shannon Miller and her coach, who are headed home from a meet in Germany. Victor, who I'm convinced knows *everyone* in Oklahoma already, chats with her coach at the baggage claim area upon our arrival!

Then it's off to the NJ1V home QTH, where a survey of the antenna farm shows a very competitive layout. The 100-foot tower sports a 3-element M2 40-meter beam and a Th7, while a 68-foot tower supports a KT-34XA. 80-meter wires hang from both towers and a 160-meter inverted V completes the picture. What a welcome relief it is *not* have to do last minute tower work before SS SSB! I've become very accustomed to the practice of

catching up with Mother Nature's effects in W1. Each tower has a remote coax switch, and one feedline enters the shack for each tower. Through a set of switches in the shack, Victor can direct any antenna to any of three Yaesu radios - an FT-1000, FT-990 and FT-890.

Seeing this layout makes us laugh heartily as we recall the time we first met. Back in 1986, Victor was a new employee at my company and was on the phone to a friend. I just happened to be walking by when he said, in his Southern drawl, "So whaddya think of them there Yah-zoo radios?" I stopped dead in my tracks, introduced myself, and the rest is history. Then unlicensed, Victor, then still known as John, breezed through the exams, progressing from Novice (ask him someday about the code exam I gave him!) to Extra in three months! This being 1986, I steered him away from "Yah-zoo," but as you can see, not for long. Career advancement took Victor to brief stops in Florida, Arkansas, and Texas before he and Ruthie (N5RJM) landed in Oklahoma for good four years ago.

### The Contest

Victor has an elaborate hour-by-hour schedule laid out for SS SSB. Each of the four main operators (WV5S and KB5BOB are the others) gets to run for six hours, see the second station for six hours and provide moral support for 18 hours. Our goal is to top the West Gulf Division Multioperator record of 1958 QSO's.

As the contest begins at 21Z, Victor runs on 15, while I hunt guys on the FT-890. It's good to see the Titan run at 1400W at the main station, and the AL-80A running much less than that at the second position. No "Texas Kilowatts" here. Victor's ICE filters for each band and his careful method of switching and isolating feed lines lead to a QRM-free second station.

Before the first hour is over, Victor notices that the computers are out of sync - bad news in SS, when the sequence number is part of the exchange. While he attempts a fix, I begin running on 20 at the second station, earlier than my shift was supposed to begin. The band is open to everywhere and the QSO's and sections pile up quickly (70 in the first four hours). It's quickly obvious to me how different SS is in the middle of the country! Using a different call, check and section proves to be a real adventure as I frequently mess up the exchange to raucous laughter from the crew! After rebooting once and quickly being out of sync again, we resolve to wait for the first off time to fix the computer logs.

The wind kicks up as Jim, WV5S, of KC6 fame takes his turn by sitting down to a good frequency on 40. His rate quickly drops. We come to find out the morning after the contest that the 40 (and the TH7 below it) had turned nearly 180° in the rotator! Our guess is that this occurred during this period, as the good rates achieved when we first hit 40 were never realized again all weekend. Victor wonders whether other Yaesu G-2700SDX owners have similar slippage problems.

Back to 20 and the rate picks up to over 100 per hour again. Flashes of lightning in the distance and word of a tornado watch in the area push us to an early off time at local midnight, 0600Z. Storms are no small matter to Victor. He's endured two major storm related incidents of significant tower and lightning damage. I'm quickly reminded of my only other SS SSB effort out of state. Two years ago, I dropped in for a few hours at W4AQL at Georgia Tech. That very day, a tornado touched down five miles from the station!

Nine hours in, we have 900 Qs in the log. We're way ahead of the NJ1V pace from last year, when the group made 1787 QSOs. This sure isn't SS in Connecticut! By the time the storm passes, it's too late to

make much ground, so we already have 5.4 hours off time when we get going Sunday morning. The 12Z hour is uncharacteristically slow - only 35 Qs. No other hour was below 55 Qs all weekend. At 1735Z, as things are rolling on 20, the power goes off! Victor tries to reach his contact at the utility company, but after all, this is Sunday afternoon in the football season in Oklahoma! The four of us are like caged tigers and nervously exchange war stories. It's obvious now that we'll not get to operate full time. Jim heads home and vows to find us a KL7 and VE8. The juice finally flows at 1933Z, but we've missed almost two more prime hours.

Despite being multiop and having packet available to us, there is zero spotting activity on the Cluster and we need to track down our remaining two sections. - KL7 and VE8 - ourselves. Soon after were back on, I hear XN9JA (VY1JA in disguise) answer someone on 20. It's weird that he is inaudible when I point the TH7 at him, but he can be heard in other directions. I should've realized then the rotator was indicating incorrectly. I find a frequency on 20, then Craig, KB5BOB, switches over from his run frequency on 15. After 15 minutes or so, K5LZO/KL7 answers him! Not what we expected, but very welcome nonetheless. I sit down and run some more on 20. Suddenly Victor waves his arms frantically, pointing to a packet spot from Jim - a VE8 at 14207! But just at that exact instant, VE8EV answers us on my run frequency for the sweep! Quite a neat coincidence.

Late in the contest, I'm amused when I give out the number 1922 and get the response "Oh that's your check?" Our final total is 1940 QSOs, just shy of our goal, but not bad for 22.9 hours. Things sure are easier from Oklahoma! Dean, N6BV/1 in NH had 1000+ QSOs on 75! Quite a difference from our 1400 QSOs on 20. Wonder what 40 might've brought us if the antenna was oriented correctly!

Monday morning, after I thank Ruthie profusely for her wonderful hospitality and we lament the discovery of the 40/TH7 being almost 180° off, Victor drives me around. I first meet KC5BRO,

who has an interesting house and shack and is gearing up for a moonbounce attempt after a frustrating 16 QSO SS effort. Then it's on to the Oklahoma Comm Center, where I meet owner Craig, AH9B. He operated his dad's station, W5CCP, in SS and had a very respectable 1776 QSOs, also in less than a full time effort. Pete, N0AFW, is also at the store as he and Craig are fresh off the V5 Dxpedition.

The oil crash of 1982 had quite an effect on the area and it's quite apparent as we continue to drive around. I joke with Victor about the lack of tumbleweed - so much for stereotypes. Our final stop is at WV5S. I kid Jim about his call being "WV dits." Must be something about Oklahoma. KM-dits (KM5H, who was quick to point out that I'm K1-dahs at Dayton several years ago!) and W-dits (WE5I is AH9B's other call) are very active too! Jim mentioned before SS that he was anxious to work the 3V expedition for his last country. I thought of spotting KI3V as "3V?" on Sunday to get Jim excited, but thought better of it. Jim has a tribander and 2-element 40, along with some good wires for the low bands. Very typical of the 5-land stations, and quite effective.


The deepest impression on me the whole trip is how Victor's enthusiasm has spread to so many of the local hams. Victor "blames" it on me, but I know better.

As Victor drops me off at the airport, we get a quick picture at the American Airlines gate in front of a sign that states "The 10-minute rule is now in effect"! Guess that means I should stick around for CQWW CW ....Almost do, as the oil man is wrong about commuting through O'Hare. Another lengthy delay has me longing for a laptop. After two successful Caribbean single-ops in the past three years, it feels really weird to be headed home the week *before* CQWW CW!


Conclusion : SS is definitely a different contest from W5! Hmm... wonder if it's that much better on CW, too....

Dan Street, K1TO  
National Contest Journal

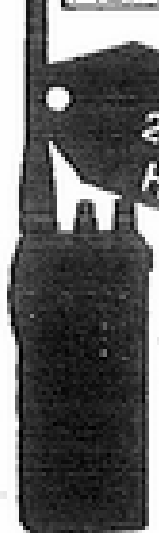
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2M, HT  
(5W Version)



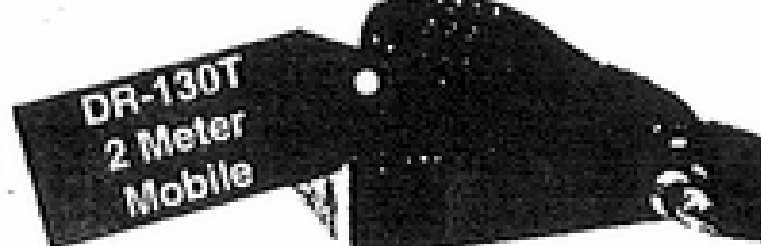
DJ-G1  
2M, HT  
Spect. Analyzer



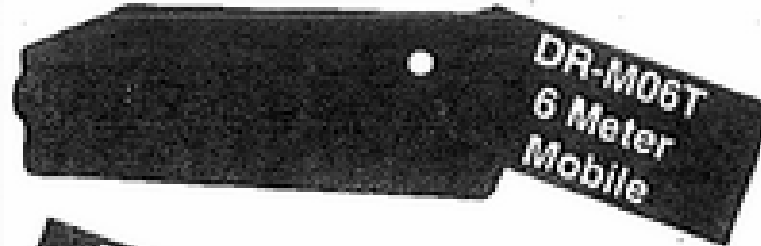
DJ-180T  
2 Meter  
Handheld



DR-600T  
2M/440MHz  
Mobile



DR-130T  
2 Meter  
Mobile



DR-M06T  
6 Meter  
Mobile




DR-1200T  
2 Meter  
Data Radio



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## LETTERS TO THE EDITOR

Dear OM,

As a regular reader of the "Collector and Emitter," I noticed in the April 95 issue your article headed "INTERESTING !!!". As one of the two founders of the C&E, I decided to write and tell you what I can remember about its origin.

Some time about 1956 or 1957, I was president of the ACARC and Carl Drumeller (W5EHC at that time, later W5JJ, now a silent key) was vice president, treasurer, and editor of the club newsletter. Since ACARC was FAA sponsored, and at that time full membership required being an FAA employee, both Carl and I were Instructors at the FAA Center (now the FAA Academy). Since we didn't have a good name for the club newsletter we decided to hold a contest to name it. The newsletter had a fairly wide circulation in the FAA at the time, so we announced the contest in the newsletter and promised a one year membership in ARRL as the prize, and established a deadline for submission of names. After the deadline we had received quite a few submissions and considered them all. Carl and I both chose "COLLECTOR and EMITTER" as the winner, and we awarded the ARRL membership from club dues. After all this time, of course, I have no recollection of the winner's name or any other particulars. That was the beginning. Carl remained as editor for many years, and I submitted articles until I left the Aero Center in 1958. However, in 1970 I returned to the FAA Academy as Chief of the Airway Facilities Branch, Charlie Mueller who had been Chief since the early 1950s. I don't recall Charlie's amateur call, but I'm confident that either Bob Ashby (W5HXB?) or Ellard Foster (W5???) would know, since both were active ACARC members and have also for many years been members of CORA.

As to a copyright - no there never was one, at least while I was still around OKC. As I was told - probably in the 1980's - by

Carl, the ACARC and CORA made some sort of deal for CORA to take over the C&E name with approval of ACARC.

Those who remember Carl Drumeller will recall that he was very careful about the use of words and phrases. When he heard someone say "XYL" he would immediately ask, "Do you mean ex-young or ex-lady?" See page 9 of April issue!

As to the "CHIT CHAT" article, I was first licensed in 1946(W8YLU) so I'm quite confident that the FCC reopened the bands after W.W.II in 1945. Since 1955 I have held the call K5EMY, then when I went back to OHIO I got W8YLU back. When I retired from the FAA Academy in 1979 I got licensed again - KB5OH, then when I came to Virginia I got my present call, NC4B (No Coffee for Breakfast). I'm still active on the HF bands and 2M.

Incidentally, when I retired from the Academy it was through the good offices of Bob Ashby that I was given a "lifetime" subscription to the C&E. Thanks for my many years of enjoying it.

I still enjoy the C&E and am pleased to read about Oklahoma activities and people, although many of my old friends are now silent keys. Not being a local, I was disturbed about the internal dissension mentioned in the March issue of CORA. I don't know any details, but I sure hope the membership will rise above the differences that have come about. A good organization like yours, and its membership should be able to come together and enjoy the many benefits of Hamdom you get by a joining of your common interests rather than a few differences - probably exaggerated.

By the way, I enjoy the bits of humor you include in the C&E. Enclosed for your consideration are some "One-Liners" I have enjoyed.

Vy 73' to you all,  
Walter Quitter, NC4B

Another voice from the past that was heard from this past week was Baron, WZ3F. He is still in Florida and wishes to continue keeping up with the happenings

in OKC's ham community. He is a multi-club member in Ft. Lauderdale. In light of that fact, he requested to renew his subscription to the C&E as a non-member.

### Letter From the Editor

Over the past few months there has been discussion over the operation of the Collector and Emitter. Rumors and innuendoes have been passed on both sides of the fence.

This behavior needs to stop. We are all hobbyists, this is not our jobs and therefore we do not depend on this for our lively hood. I have printed letters and articles to try to inform people as to what has been happening and all it has done is to fan the fires.

Time has come to put this behind us and to continue on with getting Ham Holiday in order. Also in light of what has happened in Oklahoma City this last week we need to get our collective being together to over come other hardships.

I have and always will have my doors open to anyone wishing to see the books and set-up I use to publish the Collector and Emitter. Since I have taken over the editorship of this newsletter, I have tried to maintain standards that would make Joe Harding, WA5ZNF(sk) proud.

I set certain standards for the type of material I print and when I have a question I take that to the board of CORA. They then have the final say. Thankfully this has not happened often. Also I set standards on how I receive my material. Past editors of newsletters can attest the many hours in front of a computer keyboard get old very fast.

So I hope that the letters on this particular subject will cease and other more informative subjects will continue to come in. There are lots of people out there with information to share; especially the older hams. Listen to them and lets keep the amateur radio hobby alive as it should be kept.

Harold C. Miller, KB1ZQ - The Editor



## Getting It Right

This is in reply to an editorial query in the "FEBRUARY 1995" issue about the numbering of clubs in the *Collector and Emitter* (C&E); referring to Volume 6, Number 82, March 1980, it is correct, as far as it goes, that the first four-numbered Clubs were the Founders of *Central Oklahoma Radio Amateurs, Inc.* (CORA) and the later supporting members were then assigned the computer-memory numbers in order at the time of their entry into CORA:

- #1 was/is the Aeronautical Center Amateur Radio Club
- #2 was/is the OCVHF Club
- #3 was/is MORI
- #4 was/is OCAPA
- #5 was OUARC
- #6 was Altus Area ARA
- #7 was 76ERS
- #8 was reserved for non-ASSOCIATE subscriptions
- #9 was/is WheatStraw ARC
- #10 was Choctaw ARC
- #11 was/is EARS
- #12 was Shawnee ARC
- #13 was Kay County ARC
- #14 was ATVES
- #15 was/is SCARS
- #16 was EARC
- #17 was Tri-City ARC and
- #18 was Great Plains ARC.

The system and Parameters were designed, built and maintained at WSPAA, the Mike Monroney Aeronautical Center, and probably still is, by the original Circulation Manager Bob Graham WB5NSV (see V. 5, # 53, June 1979, cover) who would be the one to contact about further specifics if needed.

It would have been sufficient to end with this tidbit of data had not the following month's issue, March '95, held another "editorial" which included misstatements and innuendo as if they were "facts."

But first, some more background: according to Article 2 of the Constitution and as Incorporated, the "C&E" is not a purpose of CORA. At/since inception, CORA did/has not claimed nor identified publishing the C&E and does not own the name as it is still Copyrighted to the Aeronautical Center Amateur Radio Club. Therefore, the newsletter is a "foster-child" activity in which the Board of Directors of CORA, as Publisher, accepts the

labor of unpaid, uncontrolled volunteers to compile, Edit and Circulate monthly submissions from SUPPORTING Member Clubs. The C&E can only be considered viable if its existence is deemed inferred as if included in Sentence 2, clauses 2 and 3 of said Article 2, as a device for "communication ... to seeking solutions" without being specifically named.

CORA ASSOCIATE members are not told and most do not realize and have never been given the option to refuse or decline the C&E system of multiple billings for receipt of one issue at a time which has been ruled as "against postal regulations" by USPS.

In the March '95 editorial, by referring to the CORA Sep '94 Minutes as published in Nov '94, one misses the historical facts that tend to support "rumor":

1. from his first meeting ever attended, Sep '93, thru July '94, John NSSAM signed in to CORA as an OCAPA representative but in August and September '94, the election meeting, he switched to ACARC;

2. from his first meeting in August '92 thru April '93, John NJV signed as an OCAPA representative, then in May and July '93 as OKDXA, then, including June '93, thru Jul '94, he signed for OCAPA then for MORI in Aug and Sep '94, the election meeting, then back to OCAPA for October '94;

3. from 27 Sep '78 thru 25 Nov '80, Chuck K5NK represented MORI and from 27 Jan '80 to the present has represented OCAPA; it's not surprising that observers might wonder where some loyalties are and why some "rumors" might arise.

Paragraph 3 of said editorial is entirely wrong:

1. the President of MORI was re-elected on 4 Oct '94, was the previous Editor of the C&E and the MORI Board of Directors remained the same but for the addition of N5BEQ as the Secretary and N5VIS as the Treasurer;

2. those responsible to the USPS for the Second Class Postal Permit are the CORA BOARD OF DIRECTORS as Publisher, which means the Representatives to the Board from the SUPPORTING Member Clubs and not limited to the Officers, Editor nor Circulation

Manager; neither an EDITOR nor a CIRCULATION MANAGER is a PUBLISHER;

3. since few were present at the referenced meeting with USPS it is doubtful to KNOW for certain what was said to the USPS, nor by whom, so it is illogical to state assumptions as if fact that a former Editor of the C&E, who is knowledgeable about SECOND CLASS POSTAL PERMITS, would "misrepresent" facts about CORA or only state half-facts as if whole.

Not based on knowing the foregoing, the balance of this "editorial" becomes merely argumentative and otherwise an apparent appeal to emotions of the reader, as in "poor me," rather than listing any possible options for resolution, and, as such, dismissable *in facie*.

However, as an ASSOCIATE member and highly supportive of CORA for 17 years, I do not FEEL hurt over misunderstandings, only disappointed that reason would be replaced with emotion just to avoid admitting error, then bolstered by rationalizations to publicize the inaccuracy of the conclusion and "defend" feelings.

It reminds me of the proverb that "the last refuge of a scoundrel is to attack the messenger rather than hear the message."

Instead, here's hoping the current myopia can be resolved in the spirit of the headline in CORA's original stationery: "All Clubs Co-Operating To Advance Amateur Radio."

It is, therefore, rewarding to note the March 1995 page 3 printing of the revised, updated subscription form, for which I, for one, say an unequivocal "THANKS!"

James C. Buswell  
N5BEQ



## A. R. R. L. Bulletins

From ARRL Headquarters  
Newington CT

**Bulletin 27**  
March 24, 1995

### Date for Club Calls

Effective now, the Federal Communications Commission is accepting applications for new club and military recreation station licenses. Call signs will be issued by the FCC from the Group D call sign block, based on the applicant's call district.

Special FCC Form 610-B must be used to apply, and applications must be sent to the FCC's Gettysburg Licensing Facility, 1270 Fairfield Rd, Gettysburg PA 17325-7245.

Form 610-B can be obtained from the ARRL/VEC for an SASE.

**Bulletin 28**  
March 24, 1995

### W4OYI Improves

The condition of ARRL President George Wilson, W4OYI, who suffered a stroke on February 11, has improved. In the next few days he is expected to be transported by air ambulance from the Virginia hospital where he has been undergoing treatment, to his home town of Owensboro, Kentucky. George will enter a transitional care facility in Owensboro until he is ready for admission to a rehabilitation facility.

Friends may send cards to George's home address: 1649 Griffith Avenue, Owensboro, KY 42301.

**Bulletin 29**  
March 28, 1995

Enforcement said "Dismal"

The ARRL has told the FCC that its recent track record in amateur service rules enforcement has been "dismal."

In comments on an FCC proposal to adopt a standardized schedule of monetary forfeitures (fines) for rules violations in all services, the League said there have been only a few cases in the amateur service where prompt enforcement action was needed "badly and quickly," the necessary action did not take place "despite repeated (FCC) promises."

The ARRL said that the Commission has probably arrived at a reasonable forfeiture schedule but that administration of the schedule is "the more pressing matter." The League said that at issue were whether the fines were sufficient to (1) cause recipients to not violate a particular rule in the future, and (2) deter others from violating the same rule.

The ARRL said that the forfeiture proceeding (in CI Docket 95-6) should be far broader, to include a review of the overall effectiveness of monetary forfeitures as an enforcement tool, given that as presently used such forfeitures are often either ignored or contested.

The League said that in the few cases of amateur rules violations in recent years, FCC promises of action have gone unkept and the problems persist visibly. The ARRL suggested that forfeiture amounts for amateur rules violations be adhered to (instead of greatly reduced) and that collection efforts be carried through.

**Bulletin 30**  
March 30, 1995

### Cmnts for Conference

The ARRL has commented to the FCC on four topics of interest to amateurs in preparation for the International Telecommunication Union's World Radio Conference (WRC-95) scheduled or later this year.

The League said that it had already regularly opposed even the suggestion of the use of present amateur bands between 2300 and 2400 MHz for the Mobile Satellite Service (MSS), and that it was

apparent that any additional spectrum requirements for MSS could be satisfied in bands outside those allocated to the Amateur Service.

On the matter of the 40-meter band, the League said that, although an important goal of both the ARRL and the International Amateur Radio Union (IARU) is the eventual creation of a worldwide allocation of 300 kHz, it believes the matter should not be on a WRC agenda until 2001 or later. The League said that considering this any sooner would likely defeat the purpose of the exercise.

(At the 1992 World Administrative Radio Conference the United States proposed realignment of the bands around 7 MHz, specifically to provide amateurs a worldwide allocation of 6900 to 7200 kHz. While this realignment did not take place, a recommendation from that conference called for a future conference to take up the matter.)

On the idea of an international amateur radio permit, the League cited ongoing work by the IARU and in particular the European community, and then suggested an agenda item for the 1999 WRC to read, "(Resolved) To consider the adoption of an International Amateur Radio Permit to allow international roaming by duly licensed amateurs among signatory countries."

Finally, the ARRL took issue with a claim (in this, the FCC's Second Notice of Inquiry in IC Docket 94-31), that requirements for new single-sideband HF broadcasting stations should be tempered by a lack of available HF SSB receivers. The League said that the issue is not whether SSB should be required for HF broadcast, but rather when double-sideband emissions should be terminated.

Pointing out that amateurs and most other radio services converted to SSB many years ago, the ARRL said, "There should be no further foot-dragging in the SSB conversion of the HF Broadcasting Service."

# The Leonard T. Hanstein Memorial Scholarship

Sponsored by the  
Oklahoma City Autopatch Association

The information requested herein will be used by the selection committee in awarding of the scholarship. All information will be confidential and the application will be seen only by the members of the selection committee. All areas requested will be considered by the committee; however, no single area will preclude an applicant from receiving the scholarship. All applications will receive the same impartial consideration. If selected, the applicant agrees to allow his/her name to be used in publicity pertaining to the scholarship. Scholarship recipients will be presented a certificate at a conference in Oklahoma City in July.

Applications are to be returned by June 6, 1995.  
Return applications to:

Don Ayers, KC5BRO  
Rt 1 Box 108X  
Edmond, Oklahoma 73003

Applicants must be a graduating High School Senior who is a member, child of a member or grandchild of a member of a CORA supporting club. List of available clubs is on page 2 of the Collector and Emitter. Any questions please feel free to call Linda, N1LPN at 672-7735. Award to be given at the CORA annual Ham Holiday in July.

## SCHOLARSHIP APPLICATION OKLAHOMA CITY AUTOPATCH ASSOCIATION

NAME: \_\_\_\_\_ DATE: \_\_\_\_\_  
                    LAST                    FIRST                    MIDDLE

ADDRESS: \_\_\_\_\_  
                    STREET

CITY

STATE

ZIP

PHONE: \_\_\_\_\_

A. Submit any information regarding your scholastic abilities. Please include your most recent transcript and any of the following you can.

ACT SCORES: \_\_\_\_\_

SAT SCORES \_\_\_\_\_

RANK IN HIGH SCHOOL GRADUATING CLASS: \_\_\_\_\_

IN WHAT SCHOOL (COLLEGE, UNIVERSITY, OR VOCATIONAL SCHOOL) ARE YOU PLANNING TO ENROLL FOR THE FALL?

\_\_\_\_\_

HOW MANY CREDIT HOURS WILL YOU TAKE THE FALL SEMESTER: \_\_\_\_\_

INCLUDE A COPY OF YOUR CURRENT TRANSCRIPT.

INCLUDE A COPY OF YOUR CURRENT CLASSES.

INCLUDE A COPY OF YOUR SCHEDULE FOR NEXT FALL IF AVAILABLE.

B. WHAT IS YOUR MAJOR: \_\_\_\_\_

WHY HAVE YOU CHOSEN THIS FIELD? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

WRITE AND ATTACH A BRIEF ESSAY ABOUT YOUR EDUCATIONAL AND/OR CAREER GOALS.

C. LIST ACTIVITIES IN WHICH YOU ARE OR HAVE BEEN INVOLVED. INCLUDE EXTRA-CURRICULAR ACTIVITIES, SPECIAL PROJECTS, OFFICES IN ORGANIZATIONS, COMMUNITY SERVICE, AND VOLUNTEER WORK.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

DESCRIBE ANY ACTIVITIES IN AMATEUR RADIO IN WHICH YOU HAVE BEEN INVOLVED.

\_\_\_\_\_

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\_\_\_\_\_

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\_\_\_\_\_

\_\_\_\_\_

**D. OUTLINE YOUR WORK EXPERIENCE.**

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**E. SUBMIT THREE (3) LETTERS OF REFERENCE (FROM INDIVIDUALS NOT RELATED TO YOU)****(PART F. TO BE COMPLETED BY AMATEUR RADIO OPERATOR OR RELATIVES OF HAMS)****F. ARE YOU A HAM?** \_\_\_\_\_ **IF SO, CALL SIGN:** \_\_\_\_\_**CLASS OF LICENSE:** \_\_\_\_\_**IS ANYONE IN YOUR FAMILY A HAM?** \_\_\_\_\_ **WHO** \_\_\_\_\_**HOW IS THIS HAM RELATED TO YOU.** \_\_\_\_\_

I, \_\_\_\_\_, DECLARE THAT THE INFORMATION PROVIDED FOR CONSIDERATION OF THIS SCHOLARSHIP IS TRUE AND ACCURATE. I GIVE MY PERMISSION TO THE SCHOLARSHIP COMMITTEE TO SEEK ANY INFORMATION AVAILABLE CONCERNING MY ACADEMIC RECORDS.

\_\_\_\_\_  
**SIGNATURE OF APPLICANT**\_\_\_\_\_  
**DATE**

### Bulletin 31

March 30, 1995

#### Two Satellites Lost

Two amateur satellites were lost when their launch vehicle exploded. The Israeli-built Gurwin-1 TECHSAT and the Mexican UNAMSAT were part of the payload of a Russian SS-25 rocket originally built to carry ballistic missiles and recently converted to launch satellites. The Reuters News Agency said the rocket, which was launched from Russia's Plesetsk Cosmodrome, came down in the Russian far east, in the Sea of Okhotsk, on March 28.

Both satellites were designed for packet radio repeater use. Gurwin-1 TECHSAT was built at the Technion-Israel Institute of Technology in Haifa as a 9600-bit/s packet store-and-forward satellite. UNAMSAT was assembled by students at the Universidad Nacional Autonoma de Mexico (UNAM) in Mexico City. In addition to packet store-and-forward operation at 1200 bits per second, UNAMSAT carried a unique "meteor radar" experiment. (See January 1993 QST, page 97, for more information on UNAMSAT.)

Reuters noted that the 115-pound Gurwin-1 TECHSAT was a prototype for communication satellites and "was to have been used by amateur radio enthusiasts." Reuters did not mention UNAMSAT. Two Russian satellites also were lost in the failed launch.

In November 1993 the first test launch of a converted SS-25 was successful but with a lighter payload. Radio amateurs, particularly in Europe, have hoped that the Russian rockets will provide an inexpensive way to launch amateur radio satellites.

### Bulletin 32

April 2, 1995

#### W4OYI to Home Town

ARRL President George Wilson, W4OYI, who is recovering from a stroke suffered on February 11, was transferred to a transitional care facility in his home town of Owensboro, Kentucky, on March 31.

Cards and notes may be sent to his home address listed on page 9 of QST.

### Bulletin 33

April 3, 1995

#### More KH/KL/KP Calls

According to a new FCC Fact Sheet, an ARRL request for call sign relief for amateurs in Hawaii, Alaska, and Puerto Rico has been honored.

The "Amateur Station Sequential Call Sign System" fact sheet dated February 1995 replaces one dated June 1991 that is referenced in the FCC's recent vanity call sign Report and Order.

The new fact sheet incorporates changes that the League asked for in November 1993, expanding the opportunities for amateurs in Alaska, Hawaii, and Puerto Rico to obtain call signs that reflect their geographic location.

According to the new fact sheet, call signs in Alaska (Region 11), AL, KL, NL, and WL are no longer limited to the numeral 7. Any numeral, 0 through 9, is available. The call signs KL9KAA through KL9KHZ are reserved for assignment to US personnel stationed in Korea.

In the Caribbean area, Region 12, KP3, NP3, and WP3 (or 4) call signs will indicate the Commonwealth of Puerto Rico except Desecheo Island).

In Hawaii and the Pacific (Region 13), AH7, KH7, NH7, and WH7 (OR 6) call signs will indicate Hawaii except that the letter K following the numeral 7 will indicate Kure Island.

Systematically assigned call signs in Group A (Amateur Extra Class) and C (General, Technician, and Technician Plus class) for Alaska, Hawaii, and Puerto Rico using the traditional numerals (7, 6, and 4, respectively) have been exhausted.

The new fact sheet also designates Group D call signs for club and military recreation stations, applications for which have been accepted by the Commission since March 24, 1995.

It is not known if the FCC has yet issued any call signs under these new guidelines.

### Bulletin 34

April 5, 1995

#### Threat to W1AW

A petition for rule making before the FCC would eliminate all one-way transmissions such as code practice and information bulletins on the amateur bands below 30 MHz, including those from W1AW.

The FCC has assigned file number RM-8626 to the petition, which was filed by Frederick O. Maia, W5YI, publisher of the commercial newsletter "The W5YI Report." The petition seeks to eliminate the rules that permit one-way information bulletins and Morse code practice in the amateur bands below 30 MHz. The effect of the petition would be to silence W1AW bulletin and code practice transmissions, among others.

Maia calls the FCC rule that permits certain one-way transmissions on the amateur bands "a very permissive category and taken in its broadest context, permits just about anything to be transmitted that is even remotely associated with the Amateur Service."

Maia says that code practice is now available on computer software, and information bulletins about Amateur Radio can be had on various computer on-line services.

Comments on the petition may be sent in the form of a letter to the Secretary, FCC, Washington, DC 20554. The file number, RM-8626, should be shown prominently at the top. An original and five copies is preferred, but single copy comments will be accepted.

A copy should also be sent to Mr. Maia's lawyer, Raymond A. Kowalski, Keller and Heckman, 1001 G Street NW, Washington, DC 20001. The deadline for comments on the petition is May 4, 1995.



**VHF Club  
NEWS**  
W5LOW  
Elmer Goekler Memorial  
Station

### Minutes of April Meeting

Meeting was called to order by President Jackolyn, KA5ENU, at 12:00 p.m. with 19 members and guests present. Motion passed that last month's minutes be accepted as published in the C&E. Ellard, W5KE, was on sick leave and unable to present the Treasurer's report. (Get well quick, Ellard!)

Charlie, WA5JGU, with some help from Bob, W5HXL, gave the CORA report. After this report there was some discussion whether the club would like to participate with the QCWA at its scheduled luncheon which will be at noon on Ham Holiday Saturday. The majority indicated that the club members would like for QCWA to be approached to see if such a joint luncheon might be possible. Fred, W5NL, will check it out.

In order to show the video that Ray, W5TY, has in his possession -- video made up of movies shot just after World War II by Joe Cory, W5GU, of amateur radio installations -- we need to find a suitable place. A couple of places were discussed, and Bob, W5HXL, was to check out one of them.

(Bob, W5HXL, called me a couple of days later and reported that arrangements were made to meet at Furrs, 4629 NW 23 -- located at the west end of the shopping center at 23rd and Meridian -- May 20, 11:30 a.m.)

The Turkey award was given to Bob, W5HXL, since Charlie, WA5JGU, wore his eagle tee shirt.

Meeting adjourned at 12:15 p.m.  
Joe, K5JB, Sec'y

### A Different Kind of Packet Protocol

As you could probably guess, the AX.25 protocol that we are using on packet radio is not the only way to send data by radio. It is a

connected mode protocol, meaning that for every packet sent, a response is received telling whether the information was received okay or not. Other protocols that do not require the acknowledgments for every packet are also in use, most notably by satellites. I refer to these other protocols collectively as broadcast protocols because they send information to groups of stations, with error detection, but without the extra traffic caused by the acknowledgments. It is well known how badly a conference bridge can bring a network to its knees when using AX.25 connected mode. In Europe, apparently a protocol, DAMA, is common use, permitting group roundtables without clogging up circuits.

DAMA isn't new; it was described in the 8th Computer Networking Conference, October 7, 1989, (pages 203-209) but as far as I know, never attracted any followers in the U.S. Since the paper presented at that conference is the best description of the protocol, I thought I would reproduce it here for your information, but since it is rather long I will break it into two or three installments. I don't have this particular document but found the following in a lengthy message that was posted on one of the Internet amateur radio list servers to which I subscribe.

*DAMA, A New Method of Handling Packets*  
by Detlef J. SCHMIDT, DK4EG  
Steinbrecherstr. 22 D-38106 BRAUN-  
SCHWEIG, Translation: Mark Bitterlich,  
WA3JPY. Reprint by Pierre Cornelis,  
ON7PC.

Lately it seems we are hearing more and more stories about hams who are having trouble using their local node or digipeater. It seems that the user has no trouble hearing the digi, but the digi doesn't seem to hear the user at all. The symptoms almost match those where the receiver at the digi site is either dead or close to it. While that kind of failure is always a possibility, it is not the subject of this article.

The condition that this paper will talk about is one where the above symptoms do actually occur, but not from any lack of receiver sensitivity. Instead it is due to the digi's receiver hearing too many signals all at once

and the remote user pretty much gets lost in the "noise".

The reason for this becomes obvious when we consider that while all the users may hear the digi/node just fine, they in many cases don't hear each other. Thus in some cases, more than one station will transmit at the same time causing packet collisions. This situation is referred to as "a hidden station" problem, and for remotely located users access to his or her favorite digipeater become difficult to impossible during rush hour periods.

This is not a new problem, and in fact there are other services experiencing the same difficulties. A real world example is ships on the open sea trying to gain access to a communication satellite.

Several different experiments have been made to overcome this dilemma on amateur packet radio. One possible solution that is being pursued is through the use of full duplex digipeaters (BTMA), however there are several disadvantages to this approach. In a full duplex the hardware expense will normally be much higher and the system will occupy two frequencies but will only realize the maximum throughput of one. A better approach might be to increase the throughput by reducing the collisions on a single channel system rather than spreading the load onto two channels. It would be ideal if we could incorporate a system that did this with something so minor as software change (such as replacing the EPROM in a TNC) or by changing some operational parameters.

One of the methods used that attempts to solve the hidden station problem while still using a single frequency is called DAMA (Demand Assigned Multiple Access). A description of this method follows.

In a connection oriented protocol environment, an end user will try to connect to the master (satellite) by means of a slotted ALOHA method (channel access without any coordination). Collisions might occur during this phase but they are tolerable since they are relatively rare. Once a connect request is recognized by the master, the



connecting stations identification is added to the polling list and from this point on the master controls all connected stations. Permission to send data is granted by means of polls which might be included in ACK packets or even in transferred data frames. So in this case a user will only be allowed to transmit after receiving "permission" in the form of a poll sent from the master station. Once permission is granted several frames might be transmitted in a block. However, if the user does not respond within a given time frame (say around 1/2 second) then the master assumes that the poll got clobbered or the user never received it for some reason. The master then passes permission to to transmit to all other active stations and when completed comes back to the first user and gives him another chance.

On the other hand, if the user (slave) actually receives the poll and replies with sent I frames, the master will not acknowledge them until the next time around after serving all the other active stations. If when polled by the master, the user responds with an empty frame (Receive Ready/Final), then the master will reduce the user in polling priority and will skip him on the next time around.

As the activity on the frequency increases, the polling priority of inactive users might be further decreased, but when these stations respond with an I-frame they will again regain their original priority.

If you understand the description just given, you might think that you are reading about AX.25 level 2 protocol and this is why DAMA has a chance of working over amateur packet radio. AX.25 L2 provides all the protocol elements that are needed to implement DAMA and no new syntax is required. Most of the new functions required could be obtained simply by patching existing operational parameters while the rest could be achieved by making some minor changes to the TNC's firmware.

So how do we actually go about incorporating DAMA using AX.25 protocol?

Due to the fact that there are no new syntax elements required, the following descrip-

tion will only use standard AX.25 terms. Since CSMA (Carrier Sense Multiple Access) as well as DAMA is used, please interpret all future references DAMA as CSMA-DAMA. The term "poll" used throughout this text in no way refers to the poll bit in the control field of packet frames and this bit remains unchanged to ensure compatibility. The different phases of the protocol will be described separately below.

#### *Connect Establish:*

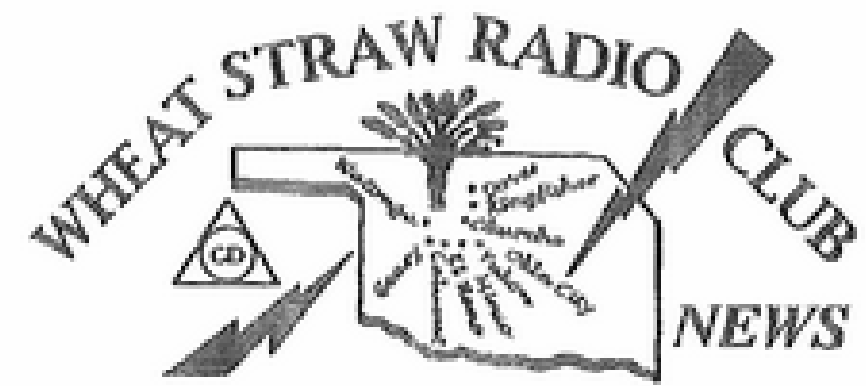
When a node attempts to connect to a user, the node adds the users ID to it's polling list and begins to send SABMs to that station. If after a certain amount of tries no UA is received, the user is assumed to be inoperable and is removed from the polling list.

When a new user starts a connect sequence to the node, he begins by sending SABMs to the master in a simple CSMA manner duplicating the existing method used today. Collisions are possible during this phase, so it might be necessary to repeat the SABMs several times until the node replies with a UA. Once the node recognizes the users connection attempt, the users ID is added to the polling list in a fashion very similar to the one used by TheNet nodes (TheNet userlist) and the node (master) is now in control of the uplink users station. After the user sends SABMs and the node replies with a UA, the user replies with an RR0 to signal to the node that it had a successful reception of UA.

#### *Idle state:*

As long as no information transfer occurs between user and node, (idles) then the node sends its polls as an RR with the corresponding count. If the response by the user is just an RR#, then the time until the next poll to the user will be lengthened to avoid unnecessary channel load. The exact amount of time added is determined by the total channel activity.

If information transfer by other users on the node is high (as determined by the number of I-frames being sent) then the amount of time added before the next poll occurs to an inactive station is longer than in cases where there is only very little channel (Continued after Wheatstraw column)



#### April Wheatstraw Club Meeting

The Wheatstraw monthly meeting is the second Sunday of each month unless voted to change one meeting for a special event.

The Mooreland hamfest was April 2, 1995. The club voted to move its meeting up to April 2, and to have our meeting mobile while on the way to Mooreland. Some of the members went up on Saturday; and, things came up where some did not go at all. Anyway, there was not enough members going to Mooreland to hold the meeting. Everyone seemed to enjoy the hamfest and there was nothing important anyway.

Due to Mother's day being on May 14, the Wheatstraw meeting will be on May 7. It will be in the Red Rock Park just south of Hinton. It will be a covered dish dinner, which will start serving at 1:30 p.m. This will give persons time to attend church. The meeting will start at or near 2:30 p.m. Everyone is welcome. Just bring a covered dish and be there.

A special event is coming up for the Wheatstraw club. Instead of having field day this year the club will have its thirty fifth anniversary. The committee has not finalized the anniversary yet, but watch for it in the next issue.

It will be held at the American Legion Hall in Watonga. West of Watonga the new sign has been installed on highway 33 and Taylor road. Follow the signs to the north.

We hope to see you at the next meeting, and if you meet someone without a smile, give them yours.

Ralph, WA5PFK

#### Honey Rolls

2 cakes compressed yeast  
1/2 cup lukewarm water  
1/3 cup milk, scalded  
2/3 cup shortening

2/3 cup of honey  
1 cup warm, mashed or riced potatoes  
1 teaspoon salt  
2 well beaten eggs  
6 cups flour

Soften crumbled yeast in lukewarm water. Combine milk, shortening, honey, potatoes and salt; add eggs and dissolved yeast, mixing well. Add flour to make soft dough. Knead on lightly floured surface 10 minutes. Place in greased bowl, cover and place in refrigerator.

About 2-3 hours before serving, form rolls of desired shape. Let rise until double in bulk. Bake in 400 degree oven 12-15 minutes. Makes 3 1/2 to 4 dozen rolls. For a tender crust, brush unbaked rolls with salad oil or melted fat. If a crisp crust is preferred, brush unbaked rolls with milk or 1 beaten egg diluted with 1 tablespoon milk. (Edith Holmes)

#### **Mother's Day is May 14**

All of us have mothers; some are with us; others are gone. Regardless, honor your mother. Some had very hard times but did the best they could for us. Others had plenty and gave us material things along with their love. Whatever the case may be, think of the goodness of your mother.

#### **A Lesson in Savvy**

by Faith M. Schremp

When Mama was a young girl  
in nineteen hundred ten  
she buffed her pretty fingernails  
with pumice stone  
then she swirled her hair high on her head --  
dabbed powder on her nose.  
Tapped tiny spike-heel slippers --  
and held a fragrant rose.  
In happy expectation  
she anticipated life!  
For Daddy was a Navy man,  
and she would be his wife.  
So, when he sailed into his port  
from exploits out at sea,  
The heart of this seafaring man  
was beating loud and free.

The first thing he noticed  
when he saw her standing there,

was the SAVVY glowing fingernails  
and the sheen upon her hair.  
And after they were married,  
his eyes nor heart ne'er strayed.  
For 60 years she buffed her nails,  
and never had a maid!  
He brought her wildwood flowers  
every day along 'but nine  
Her tinkly giggle followed,  
"How I love that man of mine!"  
She kneaded bread, and sewed our clothes  
and scrubbed our wooden floors.  
And on the washboard suds would fly  
as she rubbed and rinsed, and more.  
But glycerine and rosewater  
she'd use when work was o'er  
(and buffed her nails 'til Daddy danced  
her right on through the door!)  
He tilled the ground and made it roll  
just like the ocean billows,  
He was a SAVVY seaman --  
she was his SAVVY wife.  
And they knew life is what we make it,  
sharing peace and strife;  
They always did the little things  
to make each other glad  
And I am lucky that they were --  
my SAVVY Mom and Dad!

#### **Yesteryear**

Western Union boy. Homemade toy. Pierce Arrow. Street car. Five cent candy. Straw hats. Jumping beans. Mustard plaster. Tinfoil. Cod liver oil. Running boards. Tin lizzie Fords. Rumble seats. Brick streets. Burma signs. Dandelion wine. Rug beater. Taxi meters. Circus parades. Pink lemonade. Jawbreakers. Marcel. Curfew bell. Paper fans. Different ways. Good old days.

#### **New Zealand Seeks to Suppress HF Code Requirement**

Age distribution shows the average age of amateurs in New Zealand is around 60, and there is only a small minority of young amateurs. It seems the younger generation, around twenty five, and some a little younger are interested in the computer age, and that does not include Morse code.

The government has decided to seek to suppress RR-2735 at WRC-95. That's the regulation that requires Morse code proficiency when amateur radio operators transmit below 30 MHz. The world radio conference

is to be held sometime between October 23 and November 17, 1995 in Geneva. It will be attended by telecommunications delegations from all round the world. New Zealand will lead an initiative that will seek support to eliminate RR 2735 from the international radio regulations. They might get it done, although there is a lot of pro and cons. In my opinion, if code is deleted from the HF bands they will be saturated in a short time.

Ralph, WA5PFK

#### **Memorial Day**

Chances are, Memorial day will have passed before we have another newsletter out. Let us think where we would be and what standard of life we would have, but for the wars won by Veterans who fought to give and protect our freedom. Please let us take thirty minutes to an hour to honor our veterans who have given life, and those who have gone to date. We can give that much time from fishing, boating, golfing, and going to hide away for the weekend. God Bless Them All.

Ralph, WA5PFK

(DAMA -- Continued from the VHF Club column)

activity. Thus when the frequency is basically clear, the waiting times are reduced to a minimum so that no decrease in channel throughput takes place. This is the principle of the self-alignment mechanism of DAMA, where a channel is always regulated to insure its maximum possible throughput.

If the node ever fails to receive an RR from the user (due to a collision of the nodes poll or the users RR response) then the node will proceed on to the other stations on its polling list. The node will come back and try this station again after all the other users on its list have been serviced. If after a certain number of transmitted polls this station still has not answered; then it is considered to be unavailable by the node and is dropped completely from the list. This is analogous to those "keep-alive polls" that we have today.

(To be continued next month . Joe, K5JB)



## Mid - Oklahoma Repeater, Inc.

### Club Minutes 7 March 1995

The meeting was called to order at 7:30 p.m. with President Scott, N5NYS in the chair and 37 members present (representing 14 % of the membership); visitors and guests identified were Ron Phillips, WD5ESE; Justin Morris, KC5MMW; Larry Rupe, N5YDR; Clay Atnip; Ed Sikes, KB5NJB; Scott Kelly, AB5MI and Fred Dana, KC5MXF.

Drawings for 2 Ham Holiday T-shirts for the "Joe Harding Memorial Scholarship" fund were held by Jim, N5BEQ and won by Jo Lynn McCarver, KC5HCI and Mike Cox, KI5DF.

The minutes of the February 1995 meeting and the treasurer's report were accepted as distributed.

Mike, KI5DF again presented the interest/survey form to attendees and announced a meeting for interested volunteers at the American Red Cross Chapter building, 8:00 a. m. this Saturday, 11 March, and a simulated disaster exercise is scheduled for 6:30 p.m., Thursday, 23 March at the Capitol Hill Assembly of God Church, 2400 SW 74th Street.

### Reports:

CORA - Scott, N5NYS, Martin, KN6UG and Jim, N5BEQ tried to explain the conflict with CORA over the legality of the current operation of the Collector and Emitter (C&E) and repeated MORI's conveying to the CORA Board our intent to continue supporting CORA as in the past.

VEC - Toy, AB5ET reports he has talked with hams who have been notified of callsigns already after passing exams last

Sunday, March 5, and then distributed his available copies of 610 forms and state license plate applications.

Technical - Martin, KN6UG reports the repeaters are all working well enough not to need "tower climbing" till the weather is more conducive.

### Old Business:

Jerry, N5KNU announced he has not received a response from the vendor of the T-shirts, hats, etc., so he will continue trying to make contact with him for some information he can bring back to the membership.

### New Business:

On motion from Rick, N5WNR with second by Bill, KC5MMW, it was agreed with one opposed, to table all further discussion of the C&E conflict until receiving word, in writing if necessary, that the disagreement has been mutually resolved.

The meeting was adjourned at 8:39 p. m.

The next meeting is scheduled for 4 April 95, at the usual time and place.

Jim, N5BEQ  
Secretary

Sorry for the old logo, I have misplaced the one sent to me. I have either sent it back to someone or just lost it.

*The Editor*

## --ANNOUNCEMENTS--

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

VE exams on 3rd Saturday of each month are held at 0900 in Math Science building at Rose State College in Midwest City.

VE exams on 1st Sunday of each month sponsored by M.O.R.I. 1400 @ radio

station KOMA, 820 SW 4th Street, Moore, OK

VE exams on 4th Tuesday of each month are held at 1800 in the Shawnee. Public Library, 101 N. Philadelphia.

VE exams on 2nd Saturday of each month sponsored by SCARS are held at 1000 at Red Cross in Norman.

VE exams on 4th Saturday of each month are held times are 1830 for code and 1900 for theory, at the Wilson Center in Altus, OK.

Hams on the Southeast side of Oklahoma City meet at various locations for lunch on Tuesdays from 11:00 - 12:00 a.m., to find out where they meet listen to 146.22/82.

Hams from all over Oklahoma City meet at various locations for lunch on Thursdays at 11:00 a.m. , to find the lunch location of the day listen to 146.22/82.

Hams from around the central Oklahoma area meet Fridays at 7:00 for supper, coffee, friendship and overall story telling at the Skyline Restaurant on 15th and Eastern in Oklahoma City.

MORI sponsors a transmitter hunt each week, alternating between north and south Oklahoma City at 7:00 p.m.. The hunt frequency is 147.470MHz. Check on the 146.07/67 machine for the hunt announcement.

Hams in the Edmond area meet for coffee and breakfast at Gambrell's Country Kitchen



*Remember the Survivors Hurt  
too!*



## South Canadian Amateur Radio Society

### SCARS meeting 8 April 1995

The April meeting of SCARS was convened as usual at the Red Cross Headquarters in Norman. Although there were 29 members in attendance, this was a smaller attendance than we had gotten used to. Guess we got spoiled. The Hamfest in Lawton took its toll probably but that's ok because at least they weren't out "goofing-off" somewhere.

Bill, N5UMH gave the treasurers report, commented on how cooperative Hal and Linda are, in dealing with C&E matters and offered to print out membership rosters for anyone desiring one. Don, KI5TP gave a CORA report and our involvement with the flea market portion was discussed. Most all agreed the Friday PM and Sat AM schedule would work well. Our VE testing was cancelled due to some absences also and Jud, KC5RI invited all Advanced and Extras to apply for ARRL examiner status so as to be able to help out with the testing to ensure adequate coverage.

Roger, KC5ILL our Newsline coordinator reported all was ok. Some minor RF interference / problems but not enough to interrupt things. It was agreed that if and when we start having severe Wx on Tues evenings he will re-schedule the Newsline broadcast the next evening. Joe, W5PNO also reported on regularly scheduled CW practice by K7HLR if anyone was interested. Field day was discussed. No one ventured forth to be the point man for this event the last weekend in June but Mark, N5HZR should have by now arranged for us to use the pavillion at Reeves Park and Bill, N5UMH volunteered to do the Novice/Tech station once again.

President Don, KJ5KB announced that Ken, N5BEW wished to be replaced as our Repeater Trustee for the VHF,

147.060 repeater, hopefully by May 1. Ken has agreed to remain as Trustee of the UHF repeater and still offer his Technical expertise on both. Options were discussed such as a Club call when available, use a Silent Key call or hopefully just have a volunteer. Much to our satisfaction, Roger, KC5ILL volunteered to do just that. The President moved that Roger be made Trustee, this was seconded by Dick, N5XRD and passed unanimously. This will allow us to proceed with the process much quicker and have a smooth change-over.

Although we have not had much trouble in the way of unauthorized transmissions and the like, Jud, KC5RI, Don, KJ5KB, Ed, N3US and Ken, N5BEW will assist in the daily monitoring of the repeater.

Our drawing prize was a 10 channel scanner and was won by Dick, N5XRD and we captured a new member in Eric Lewis, KC5NGM. Glad to have you Eric.

Keith, KC5FCI

## L.I. Tower Case - Decision

On Wednesday April 12, 1995 the Town of Hempstead's Zoning Board of Appeals has granted NK2T, Mark Nadel his request for a variance for his 55 ft amateur radio tower. This decision came after more than 2 years of frustration and legal expenses totaling more than \$27,000. Thanks to the support group known as R.A.D.I.O., The Radio Amateurs Defense & Information Organization, the major portion of the legal expenses are being financed by the generosity of the amateur radio community through donations. This case has set the groundwork for new legislation within the Town which should give amateurs special consideration when installing amateur radio towers.

Here is a copy of the town's findings:

"The FCC on July 16, 1994 received a request for Issuance of a Declaratory Ruling to delineate the limitations of local

zoning and other local and state regulatory authority over Federally-licensed radio facilities. The resultant proceeding is titled, In the matter of Federal preemption of state and local regulations pertaining to Amateur radio facilities".

"Hearings were held and the resultant memorandum Opinion and order of the FCC is known as PRB-1."

"This Board is bound by PRB-1 and may not decide the permitted height of amateur radio towers solely on traditional principles. It is severely limited by the provisions of said PRB-1."

"This board does not agree with all aspects of PRB-1, nor with all aspects of existing case law referable to amateur radio towers. In fact, this board believes that neither the FCC nor the courts have given proper consideration to the high density living and small plot configuration of many of our urban and suburban communities."

"PRB-1 states that local regulations of antennas must be crafted to accommodate reasonably amateur communications and to represent the minimum practible regulation to accomplish the local authority's legitimate purpose. PRB-1 goes on the say, "We are confident however, that state and local governments will endeavor to legislate in a manner that affords appropriate recognition to the important federal interest at state here and thereby avoid unnecessary conflicts with federal policy..."

Under the circumstances herin and in compliance with the short order of the Supreme Court, Nassau County dated April 18, 1994, this board finds the applicant has satisfactorily addressed the requirements of that order."

" On the motion of Mr. Ease and seconded by Mr. Zimmermann, Granted in accordance with applicant's plot plan and plans submitted to the board..."

As we have stated all along this case was a test of PRB-1 And as you can see it has held up. (Con't)

## Word Search

by Edith Vaughn, KA5YPX

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

Amateur Satellites  
Coloring Eggs  
Disaster Training  
Easter Bunny  
Field Day Meetings  
Fredquencies  
Making DX Contacts  
Packett Radio  
Plant Your Garden  
Spring Time  
Tranceivers  
Vacation Plans

Club Station Call Signs  
Dayton Hamvention  
Dust Off Your Antenna  
Emergency Preparedness  
Flea Markets  
Friends Getting Together  
Mow The Lawn Again  
Planning Ham Fests  
Scouting For Sites  
Svere Storms  
Two Meters  
Vanity Call Signs

Weather Spotting

## CRYPTO CLANS

By Forrest Rush, N5VWF

Each list contains related items with Heading as a clue; word structure & punctuation are hints.

Example: Telegraph Key  
XAYAILRMP JAG

VIBROPLEX

- |                         |                         |                          |
|-------------------------|-------------------------|--------------------------|
| 1. _____<br>LWNTED      | 2. _____<br>ITHYNKVJ    | 3. _____<br>UKRTFKJR OBR |
| 4. _____<br>VDKRKJHU    | 5. _____<br>OUBW DHIWD  | 6. _____<br>KHYOKI       |
| 7. _____<br>GKODV SWEWD | 8. _____<br>ODHPP DHIWD |                          |

### ARRL Bulletins (Con't)

insufficient evidence to justify revisiting the issues he raised, and that no comments had been filed on his petition.

The FCC said that it had revisited the structure of the amateur service on several occasions, the latest being in 1990, when the codeless Technician class license was established "and the amateur community confirmed its preference of preserving telegraphy as an examination requirement for the remaining operator license classes."

"The amateur service community in the United States generally considers the current telegraphy speed requirements as necessary and appropriate," the FCC said.

### ARRL Bulletin 36

April 11, 1995

#### Study Sees More Ham Bands

A US government study concludes that amateurs could use 2180 additional kilohertz of spectrum in the future. The National Telecommunications and Information Administration (NTIA) reports this need in a just-released 10-year projection of spectrum requirements for all licensed radio services.

In June 1992 the ARRL responded to an NTIA Notice of Inquiry with extensive comments (see January 1993 QST, page 82). Here are the 2,180 kilohertz cited in the NTIA report:

30 to 50 MHz, 5 slots of 50 kHz each (250 kHz total)  
160 to 190 kHz (30 kHz)  
Near 5 MHz (50 kHz)  
Expansion of 10 MHz band (200 kHz)  
Expansion of 14 MHz band (50 kHz)  
Expansion of 18 MHz band (150 kHz)  
Expansion of 24 MHz band (150 kHz)  
219 to 220 MHz (1000 kHz, already in process)  
Satellite downlink, 29.7 to 30.0 MHz (300 kHz).

Here are excerpts from the NTIA study:

"The amateur community commenters have suggested significant changes to the allocation table to accommodate expanded amateur operations. Many of the (Con't)

## Last Message of the Watch(sk)

Dear Hal,

Enclosed is what I copied from the closing message of NMN. There was a little QRN/QSB, and I got a little choked up as I wrote it down, so might have missed a few characters. It looks like something you might want to include in the C&E. If so enjoy.

73,  
Jim, KK5BX

Jim,

I will repond to your wonderful letter here, if you don't mind. Here are the last words of a piece of history. The Coast Guard has and always will maintain a watch to aid in the search and rescue of sailors and airmen on the high seas.

The first SOS was sent by the Titanic in 1912. Now voice and digital modes will replace a mode on the high seas that brings many memories to our older friends and relatives. They were not always happy memories but those that lived them cherish them all the same.

I personally hope that CW does not go this route in the amateur bands. It still fills a need to remember where we came from. Telegraphy first tied this nation together as the first means of getting messages across the plains. Later Morse used the same principle to tie the world together.

Let's morn the passing of this watch, and remember hundreds of men and women took the time to learn the code to keep friends, family, and strangers alive and well.

I as a retired serviceman salute you.

73  
Hal, KB1ZQ

## CLOSING MESSAGE SENT BY COAST GUARD STATION NMN

0001Z APR 1 95 ON 5870 KHZ

(AS COPIED BY JIM SPECK, KK5BX)

CQ CQ CQ DE NMN - 010001Z APR 95

FM COGARD CAMSLANT  
CHESAPEAKE VA- THE COAST  
GUARD IS NOW CLOSING DOWN  
CONTINUOUS HF CW WATCH AND  
CEASING ALL MORSE CODE  
OPERATIONS ON THE HF BAND. AS  
WE CONCLUDE OUR WATCH WE  
WISH THE MARITIME COMMUNITY  
FAIR WINDS AND FOLLOWING  
SEAS. THE COAST GUARD IS PROUD  
OF ITS TRADITION AND LONG  
STANDING SERVICE TO THE  
MARINERS ON HF MORSE CODE  
WHICH BEGAN IN 1901 WITH THE  
REVENUE CUTTER SERVICE  
ACTIVELY EXPERIMENTING WITH  
WIRELESS AS A REGULAR MEANS  
TO COMMUNICATE ON LAND AND  
AT SEA TO THE FIRST MORSE CODE  
RADIO INSTALLATION ABOARD  
THE CUTTER GRANT IN 1903. OUR  
ORIGINAL COMMUNICATIONS  
MISSION WAS TO RECEIVE  
DISTRESS ALERTS. HOWEVER  
SINCE 1901 THE COAST GUARD HAS  
FAITHFULLY AND DILIGENTLY  
LISTENED FOR TRAFFIC ON BOTH  
MF AND HF COPYING AND  
RESPONDING TO HUNDREDS OF  
THOUSANDS OF CALLS FROM  
MARINERS IN NEED OF ASSISTANCE  
OR REPORTING POSITION WEATHER  
NAVIGATIONAL OR SAFETY  
INFORMATION. OVER THE YEARS  
WE HAVE PROVIDED MARINERS  
WITH URGENT SAFETY AND  
NAVIGATIONAL WARNINGS OVER  
HF MORSE CODE AND RECEIVED  
VESSEL LOCATION UPDATES  
THROUGH THE AUTOMATED-  
MUTUAL VESSEL RESPONSE  
SYSTEM. WE WILL FEEL A SENSE  
OF LOSS WITH THE PASSING OF CW.  
THE NEED FOR OPERATORS WITH  
SENSITIVE EARS AND A FAST  
PRECISE KEY WILL BE REPLACED

BY COMPUTERS MODEMS AND  
AUTO ALARMS. THE SPECIAL  
EMOTION AND EXCITEMENT  
ENJOYED BY CW OPERATORS  
CANNOT BE DUPLICATED AND THE  
CHILLING SOS SIGNAL WILL NEVER  
AGAIN BE RECEIVED BY A COAST  
GUARD RADIO STATION. BUT CW  
HAS RUN ITS COURSE AND THE  
COAST GUARD LOOKS FORWARD  
TO SERVING YOU ON THE NEXT  
GENERATION OF  
COMMUNICATIONS EQUIPMENT  
AND SYSTEMS VIA THE GLOBAL  
MARITIME DISTRESS AND SAFETY  
SYSTEM WHICH WILL OPERATE  
WITH INCREASED EFFICIENCY  
RELIABILITY AND EFFECTIVENESS.

FROM ALL COAST GUARD  
TELECOMMUNICATION  
SPECIALISTS WE BID YOU 73.

WHAT HATH GOD WROUGHT.  
SIGNED CG CAMSLANT BT DE NMN  
SK

### ARRL Bulletins (Con't)

#### Bulletin 35

April 5, 1995

#### FCC Won't Reconsider

The FCC has denied a petition for reconsideration to change the structure of Amateur Radio licensing in the US.

Rolf Jespersen, N3LA, had petitioned the FCC to establish three classes of amateur operator license, a petition the Commission denied in April 1994 (RM-8391).

Jespersen then petitioned for reconsideration, saying that supporters of his position did not know when to file supporting comments and that telegraphy "ability," not necessarily telegraphy "proficiency," should be the criterion for the class of operator license obtained. He also said that his suggested new rules would promote growth in the amateur community and reduce delays in obtaining new and upgraded licenses.

The FCC said that Jespersen's original petition was denied because there was (Con't)

## CHIT-CHAT

### A SIMPLE PATCHWORK QUILT

I recently discovered that the scholarship fund in loving memory of Leonard T. Hanstein was short of reaching its' goal. Cheryl and John faithfully have been holding a raffle each month at our club meetings for this scholarship to raise funds. Still, we were running out of time to raise the full amount, so I volunteered my services. I have never sold any of my dollies nor one of my simple quilts. I made an Alpine Lace Dollie, many have seen me working on it this past month, to be raffled for the April club meeting. I had planned to make a quilt for the raffle in May and prayed it would bring in enough money for the scholarship. I was pleasantly surprised when Cheryl offered her help, she had never made a quilt before either. I admire her courage and willingness to learn a skill that she had been lead to believe was very hard to master.

We started on the quilt about two weeks ago and today it is completed. We didn't work on it every day of those two weeks either. Mike, my son, helped by adding his artistic eye with some of the color combinations and the color of the backing. There is something special that happens when you make a quilt using scrapes of material, old clothes and just a little bit of new material to fill in the spaces to add depth.

Memories came flooding back in a rush just by picking up a scrape of cloth from my scrape bags. Some were from my great grandmothers sewing scrapes and were the hardest to part with. Each one held a slice of my life and history. Some memories were good and some were sad, and some were old clothes from Cheryl's family. As we were sewing them together, our lives begins to take shape and became intertwined before our eyes. Making a quilt is sharing a personal part of yourself and act of love when given to another.

So why did I choose to make a simple quilt to be raffled in the first place? I

know of no other way to return the love Leonard so easily shared with us all. He was always there listening on the air waves, helping when needed and when not on the air, he was out fishing. He was my very first voice contact on 2 meters. I needed help and he was the one to answer my call. Hal was TDY in Cuba and our dog had been bitten by a brown recluse spider. I needed someone with HF abilities to get a message to Hal ASAP. I had asked the air base, and with it being a Thursday afternoon, was told it would take a few days to get him a message. I had received my call sign only one week before I got on the radio for help( I had been on packet using my call but no voice). Leonard called me on the phone and talked to me for a long time. He was knowledgeable about the type of spider and was able to calm my fears and told me not to worry, he would take care of everything. He got the word out that Hal needed to call home, and Hal received the messages some hours later. He continued to receive that message for days afterwards too. Leonard touched so many lives during his time here on earth, and what better way to remember him than through a patchwork quilt made with love. The money gotten from the raffle of this simple quilt will be used to give a young person a chance at receiving a college education and an investment in our future. Leonard's scholarship will be kept within the CORA ham community. PLEASE LOOK FOR THE SCHOLARSHIP FORM IN THIS ISSUE OF THE C&E AND READ IT VERY CAREFULLY.

Linda, NILPN

### L.I. Tower Case - Decision (Con't)

For the latest about R.A.D.I.O. call the information line anytime 24 hrs/day at 516-735-2500.

R.A.D.I.O.  
P.O. Box 343  
Williston Park, New York 11596

Again as always we appreciate your support.

DA DI DA

### ARRL Bulletins (Con't)

insufficient evidence to justify revisiting the issues he raised, and that no comments had been filed on his petition.

The FCC said that it had revisited the structure of the amateur service on several occasions, the latest being in 1990, when the codeless Technician class license was established "and the amateur community confirmed its preference of preserving telegraphy as an examination requirement for the remaining operator license classes."

"The amateur service community in the United States generally considers the current telegraphy speed requirements as necessary and appropriate," the FCC said.

### Bulletin 42

April 19, 1995

### Voluntary Communications Emergency Declared

All amateurs are requested to cooperate by recognizing the existence of a voluntary communications emergency issued by the Engineer in Charge of the FCC Field Office in Dallas, and therefore relinquishing the use of frequencies between 3897 and 3903 kHz and between 3922 and 3928 kHz and between 7243.5 and 7249.5 kHz for the handling of emergency traffic.

According to N5NAV, a District Emergency Coordinator in South Texas, health and welfare traffic nets have been established in response to the bombing incident in Oklahoma City, Oklahoma. The net frequencies are: 7273 and 7290 kHz (daytime) and 3873 and 3935 kHz (evening).

### Note from the Editor

Not all of the ARRL Bulletins were published this month. There were too many to put in this issue, so I will put those that remain in next months printing.

*The Editor*



## A LOOK INTO OUR PAST, October 1980

*In view of the recent events, I wanted to share with you a story I found that I hope will bring a smile to your face. At the time I had found this article, life was as it always had been in OKC and the surrounding areas. Everything has now been forever changed, we must learn to continue on, each in our own way. So, sit back and share a smile with me as I take you back in time, just for a few minutes.*

### Night Owl Net Soap Opera

One hot dark night in August, this XYL was listening to the Night Owl Net, DCM was the net control. Hurricane Allen blowing towards Texas and Mt. St. Helen was mad and blowing her top again.

What I first heard was someone was left at a truck stop. Then, I heard N5BEQ was on his way out there. Two hours later, no N5BEQ. All persons on the Night Owl Net were worried. All I heard was N5BEQ said there was a head on auto wreck, and he signed off. Someone said he had been in a wreck and lost his wooden leg. NO! came another voice, he wasn't in an accident. Thank God. There was an accident in front of his house. He couldn't get his car out of the driveway, therefore, didn't know everyone was looking for him.

Then we go back to the person left at the truck stop. Here is this soul (not knowing if it be Man, Woman or child) all alone. Then someone said they had called the Highway Patrol. We don't know if they ever showed up.

Meanwhile, JTW from the South, BEQ from Mid-North, and 5NK from far North started toward the truck stop. All three finally arrived at the coffee house, I think to drink coffee.

There, they found a young man around 25? with long hair, jeans and tee shirt, with \$3.00 in his pocket. There was around 10 people and children going to who knows where, stopped for whatever. JTW, BEQ and 5NK finally sat down to talk to him, it seems all his belongings were on the bus, including a motorcycle. I forgot to tell you they were traveling in Car and Bus. Person could sure get a lot of money for a cycle to feed a lot of people, but that is my opinion only.

From what JTW said over his handy talkie with the rubber ducky, was the boy who was left along with another person whom he had been fighting with, but they always had fought. Someone said let's call the Oklahoma City Police. But, what I could hear he said NO! He could take care of himself and those left with him. I am sorry to say we will not be able to tune in tomorrow to learn if Johnna hitch hiked to where the rest of the party he had been with were, or if he conned some very nice people out of money.

There is really no end to this little soap opera. Why? Well, Mt St. Helen will cover all tracks. Hurricane Allen will wash them all away, down the river, and the good ole sun will come out and dry it all up. You, the reader, will have to come to your own conclusions.

I wish to thank all who helped in this matter. I enjoy listening to the Night Owl Net. I only hope that person appreciated all the concern everyone had for him.

To the rescue team : A JOB WELL DONE!

Patricia Ann Wetmore, XYL of KA5DCM (Call is now KD5IS)

*A small foot note : I have asked someone that knows the history of the "Night Owl Net" if he would write an article for us. He said he would try and see what he could come up with. Until next month, this is NILPN signing off.*

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## May 1 to June 3, 1995 Schedule of Events:

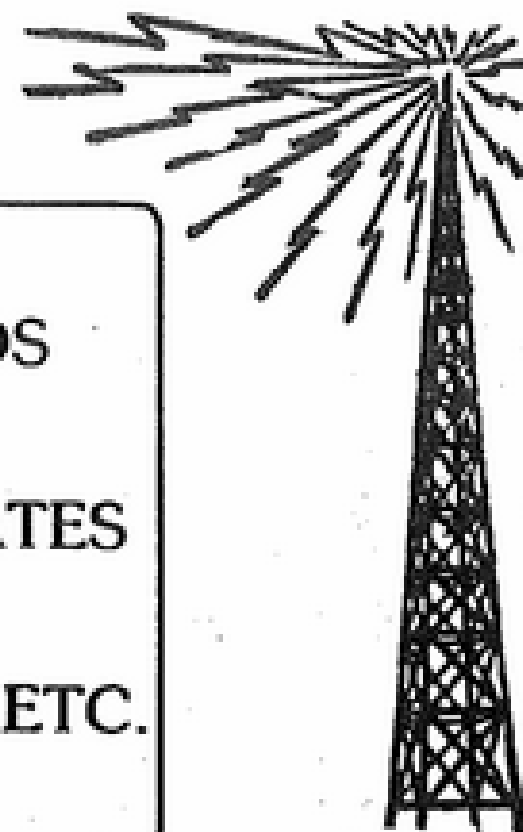
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
30	1	2 7:00 p.m. MORI	3	4 7:00p.m. Aeronautical Center 7:30 p.m. CARS	5	6
7 2:00 p.m. MORI VE Exams	8	9	10	11	12	13 9:30 a.m. SCARS 10:00 a.m. SCARS VE Exams
14 2:30 p.m. Wheatstraw  <i>Mother's Day</i>	15 6:00 p.m. CORA VE Exams	16 7:30 p.m. OCAPA	17	18	19	20 9:00 a.m. VE Exams (RSC) 11:00 a.m. VHF Club <b>ARMED FORCES DAY</b>
21 2:00 p.m. EARS	22	23 7:00 p.m. Shawnee VE Exams 7:30 p.m. CORA	24	25	26 <i>C&amp;E</i> Deadline	27
28	29 <b>Memorial Day</b> (USA Observed)	30	31	1	2	3



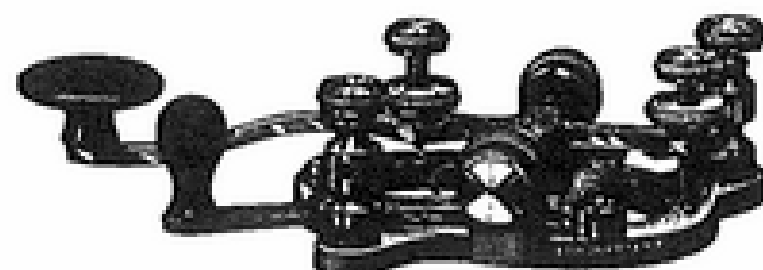
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