

# Collector & Emitter

A CORA Publication

**April 1995**  
Volume 21, Number 04  
Issue 242  
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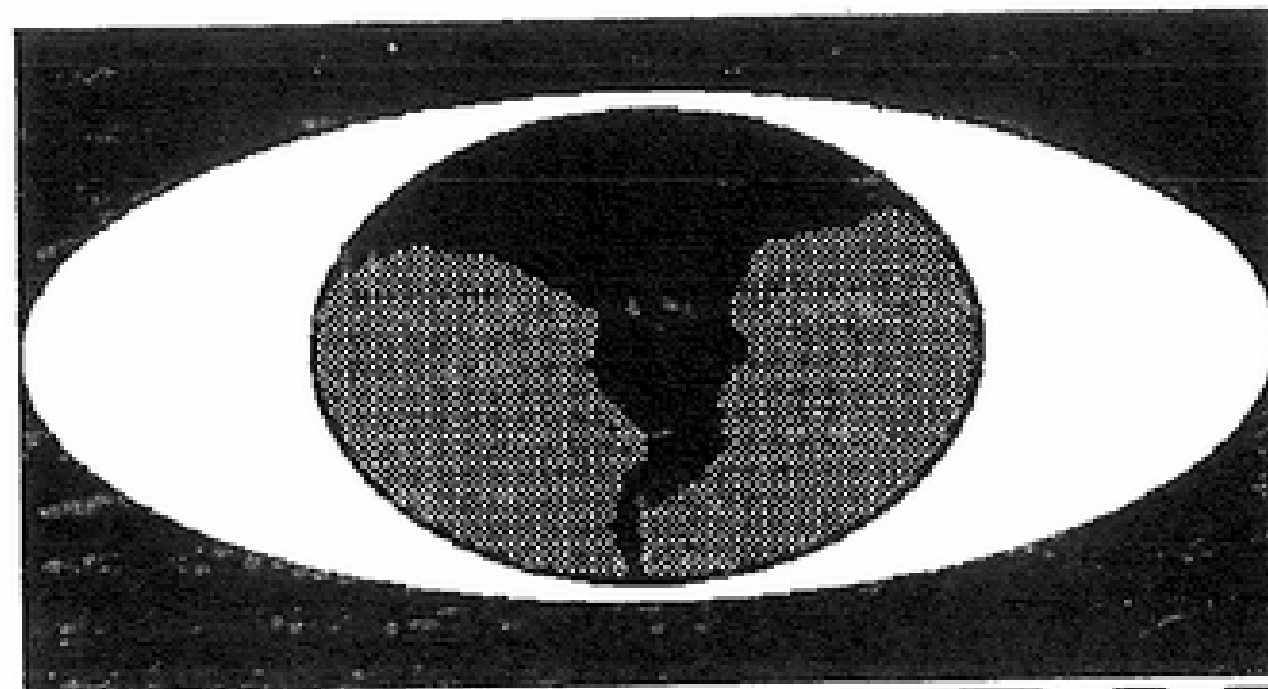
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**A - 2 - Z Award Good For 2 Meters**

**Autopatch Bill Defeated!**

**Fun With Keys And Code**



## SKYWARN

**April - Formal Start to Storm Season**  
**Skywarn is Ready, Are You?**

**A Look Into The Past**

**Repeater Trustees Can Ban Users**

**Collector & Emitter****Harold C. Miller, KB1ZQ****Editor****Linda G. Miller, N1LPN****Circulation Manager****Central Oklahoma Radio****Amateurs, Inc.****President: Chuck Wilhite, K5NK****Vice President: John Guida, NJ1V****Secretary: John Brassfield, N5SAM****Treasurer: Perry Jenkins, KB5TOT**

Dear Subscriber:

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

4	95/12	2
DOE, JOHN E.	KA5ABC	
1234 SW 56th STREET		
RADIOVILLE, OK	74321	

The "4" means Autopatch Club, "95/12" means the year/month C&E subscription expires. The "2" is for postal zones.

Dear Secretary / Treasurer:

When you want a change of any sort to your membership, you must completely fill out a subscription slip. Watch for the date you received their funds and the date the subscription expires. Have your slips, or list of deletions submitted by the 22nd of each month. If there is anything about C&E subscriptions you need to know, please contact us.

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<b>2. Oklahoma Central VHF ARC</b> Meets: 1100L, 3rd Saturday, Neighbor's Restaurant 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 Paimton, WK5V 764-3599 Treas: Nadine Paimton, 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, KB5FC1 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	<b>Support Ham Radio</b>  <b>Do You Know of A Club That Does Not Belong to CORA? Let's Make CORA Grow!!!!</b>
<b>9. Wheatstraw Amateur Radio Club</b> Meets: 1430L, 2nd Sunday, Location Varies Pres: Leo Peil, WZ5H 886-2998 VP: Jimmie E. Payne, N5VDY 233-4215 Sec/Tr: Joe Garland, WA5FLT 893-2660 Editor: Ralph Wilder, WA5PFK 623-5421	<b>Central Oklahoma Radio Amateurs</b> Meets: 1930L, 4th Tuesday, Salvation Army Bldg N.W. 50th and Penn, OKC (Back Door) Pres: Chuck Wilhite, K5NK 721-4926 VP: John Guida, NJ1V 340-6518 Sec: John Brassfield, N5SAM 685-8070 Treas: Perry Jenkins, KB5TOT 354-5075 Editor: Harold Miller, KB1ZQ 672-7735

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**CONTENTS****On The Cover: April Formal Start to Storm Season, Skywarn Is Ready**

Edmond Amateur Radio Society News .....	3
Letters to the Editor.....	4
Oklahoma City Auto Patch Association News .....	5
OCAPA'S Hamnic.....	6
AMSAT Phase IIID Needs Support.....	6
A-2-Z Award, One For Every One.....	7
Mid Oklahoma Repeater, Inc News.....	8
Chit Chat.....	9
A.R.R.L. Bulletins.....	10
Portuguese Language Countries Award.....	12
Word Search and Cryptoquote Answers.....	12
Wheatstraw Minutes and News .....	13
VHF Club Minutes and News.....	15
Repeater Trustees Can Ban Users.....	16
Fun With Keys and Code.....	17
A Look Into The Past.....	19
Autopatch Bill Voted Down.....	19



### Edmond Amateur Radio Society Edmond, OK

Happy Spring ! The recent elevation of temperatures has sure brought forth some green grass and the blooming of flowers. Even with cooler temps on the way, a ham starts to have thoughts of coax, connectors, and repair of equipment exposed to winter weather. EARS continues its busy pace: below is a summary of our activities over the past month or so.

### Shuttle Amateur Radio Experiment (SAREX)

The Eagle has landed. Or perhaps, more accurately, the SAREX exercise with Bethany Middle School succeeded. On March 13th, teacher, Kathleen Stearns, KB5KIJ, and her students were able to communicate via amateur radio with the Shuttle Endeavor. It was an exciting sight seeing and feeling the students excitement as a ham in space responded to their questions. One of the questions praised by the astronaut was: What happens if you lose radio contact with Mission Control ? While discussing contingency plans for that possibility, the astronaut mentioned that during each orbit there is a brief time when radio contact is lost.

EARS played a major role in the exercise by training students for proper voice transmissions via ham radio. Bill, Dee and Clarence had numerous training sessions with the students and Kathleen. The sight of a satellite tracking program on a overhead projector (set up by WA9AMY), broadcast and print journalists, and pumped up students and parents was quite pleasant.

### Club Meeting

EARS had its March business meeting on Sunday the 19th at St. John the Baptist Catholic Church. thirty-one members were in attendance to participate in discussions our repeaters system, SAREX, treasurer report, club station, licensing class, new members ST. Patrick Day parade and many other items. Lee made himself available after the meeting to help members with repeater functions. Kathleen graciously thanked EARS for helping with SAREX operation while sharing her demeanor with us which must be quite a motivating tool in the classroom. Her humor and wit in making a presentation appear to be strong educational assets. We are sure glad to have her in our club!

Clara, KG5UG, who heads up our member calling committee was recognized for her reliable-energetic leadership in keeping club members reminded of club activities. She in turn acknowledged those who assist her in the telephone effort. Frank, AA5GI, mentioned that members of his class will be licensed soon. Included is Jim, KC5MJS, who was applauded for his licensing success. Brother Frank was recognized his work in licensing on behalf of EARS. Barbara, KB5DGH, reminded us of the March 27th deadline for the EARS scholarship. It will be awarded at Ham Holiday 1995. We are pleased that Linda Miller, N1LPN, has joined our group. What a special person to have on our team roster. Her depth and caring approach represents what is descriptive of EARS.

### St. Patrick's Day Parade

Whew ! What a parade. You think about sounds, colors, bands, horses, and people in various stages of anxiety and you have a thimble full of this parade. I almost forgot about a wedding and barricades. Not that there is intended connection between the two. Seems like there was about 20 or more club members doing the coordinating, staging, and p.r. of the parade. In addition to the communicating with one another, there was location of and sharing of information, pointing, lifting and moving. Not to mention the making of

those signs for float numbers. The parade day itself was several hours effort which was a small portion of the time put in by Lee, Edith, Mike and others in attending preparatory meetings, lining up club members and making those float number signs.

### Board Meeting

Our first official Club function at the club station was the March 8th Board meeting. Dee did a swell job in lining up furniture, refreshments, and some neat thick cookies, for our enjoyment. Club members attending this Board meeting were: Edith Vaughn, Gary Moore, Terry Tiller and Robert Thomason. We discussed ways to radio and computer equip the club station and EOC, membership renewal status as well as the inventory report. The normal items which we cover at each Board meeting were discussed at this meeting as well. All Board members present.

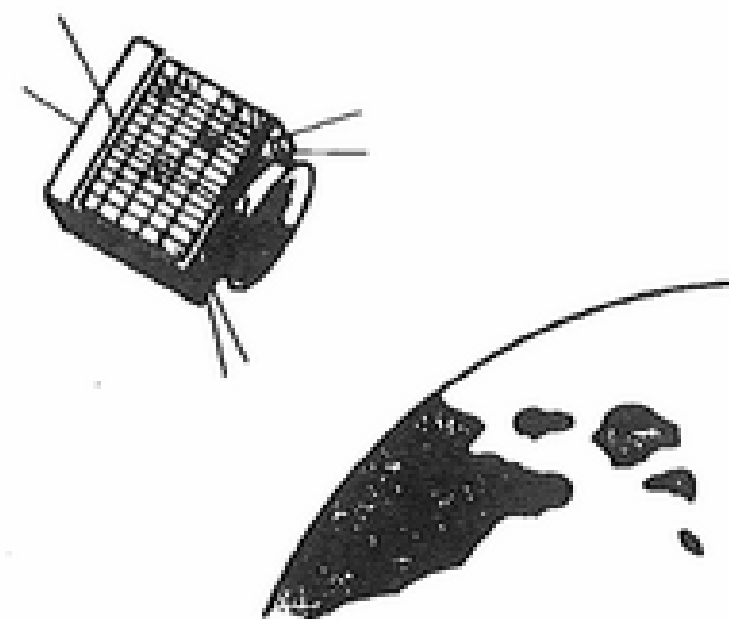
### Coming Up

April 21 st Dinner Meeting at 6:30 pm,  
Friday Johnnie's Charcoal Broiler 2652  
West Britton OKC

May 6th, Siren Test, 12 noon,  
Saturday

Saturday mornings at about 8:30 am  
Coffee and Breakfast at Gambill's  
Country Kitchen 2826 East 2nd,  
Edmond

John, WB5SYT  
President



## LETTERS TO THE EDITOR

I have just finished reading the C&E for March. Believe it or not these "cuss fights" have been going on from even before I became licensed 23 years ago. I was the OCAPA president 2 consecutive terms and a third term later on. I never could figure who was keeping it stirred up. Most of those I suspected are dead now but it still seems to flourish.

I know how thankless you may feel the job is, but be assured that most of us are thankful you two are publishing the C&E. I was a friend of Joe Harding but the C&E was never better than now.

I feel that CORA would soon follow if the C&E departed. It is the only thing the hams have in common. I remember when CORA was formed to allow the various clubs, who were going separate ways, to accomplish those things they could not do separately such as Ham Holiday and publish the C&E.

Hang in there and know that you are appreciated for doing a great job.

Frank McCollom, N5FM

Hal, I just received my anxiously awaited March copy of the C. & E. I first want to Salute you and Linda for as fine a club publication as there is in the nation. I have enjoyed the new format and all the articles of varied interests. A publication that suits the needs and desires of such a varied audience and multiple clubs is no easy task.

I, as I said was anxiously looking forward to another enjoyable issue. Alas my friend what do I receive, a heart breaking, demoralizing, and devastating issue that reflects the most negative actions yet to face the members of all clubs associated with C. O. R. A.

I live well outside the stated circle of dissension, and was not totally aware of the severity of the situation. I would however be grateful if you as the editor would review this letter for publication. I respect the fact that you as editor are representing the situation as it is in fact.

Briefly let me explain who I am, N5TXE I was KB5PNA when I first became associated with John, NJ1V and Chuck K5NK. I was as all of us have been, struggling for that elusive TICKET to more BAND. I had tried all the GIMMICKS, computers, tapes, and on and on. I was getting very disgusted, on the verge of giving up. When these two guys stopped me at a CORA Ham Holiday and literally shook some sense into me.

John became my ELMER and within less than a year tutored me to EXTRA CLASS. I sincerely hope I am one of those students NJ1V is proud of. I will be eternally grateful to Chuck and most of all to John.

I realize that for the most part people are for the most part are quite independent and reject assistance, but if you want to upgrade get an ELMER like one of these guys and LISTEN. Don't be misled by some guy who has a ticket that you already have, what does he know about the ticket you are looking for?

I use this only as an example of what kind of Heart these guys have and their abilities to enhance any Hams or potential Hams experience in this great hobby.

A great scholar once said: " You always get the leaders you deserve." This statement was in reference to comparing democracy to socialism. I feel it is quite appropriate to our situation. You as a majority elected these two fine men to lead CORA into another Great year. Why let a minority force YOUR organization into failure. Do we want to go the way of CB? Our radio spectrum depends on the strength of Hams as a Whole. I am not in any way putting down any level of amateur radio license, but it appears that a few 2 meter discontents are jeopardizing all of ours enjoyment of our chosen hobby.

I challenge each of you to make C.O.R.A. and Ham Holiday a statement to the nation that Oklahoma is a STRONG amateur state. If we let CORA and H H die we are telling them we don't have what it takes. Get John Back & HAVE THE GREATEST CLUB YOU CAN HAVE.

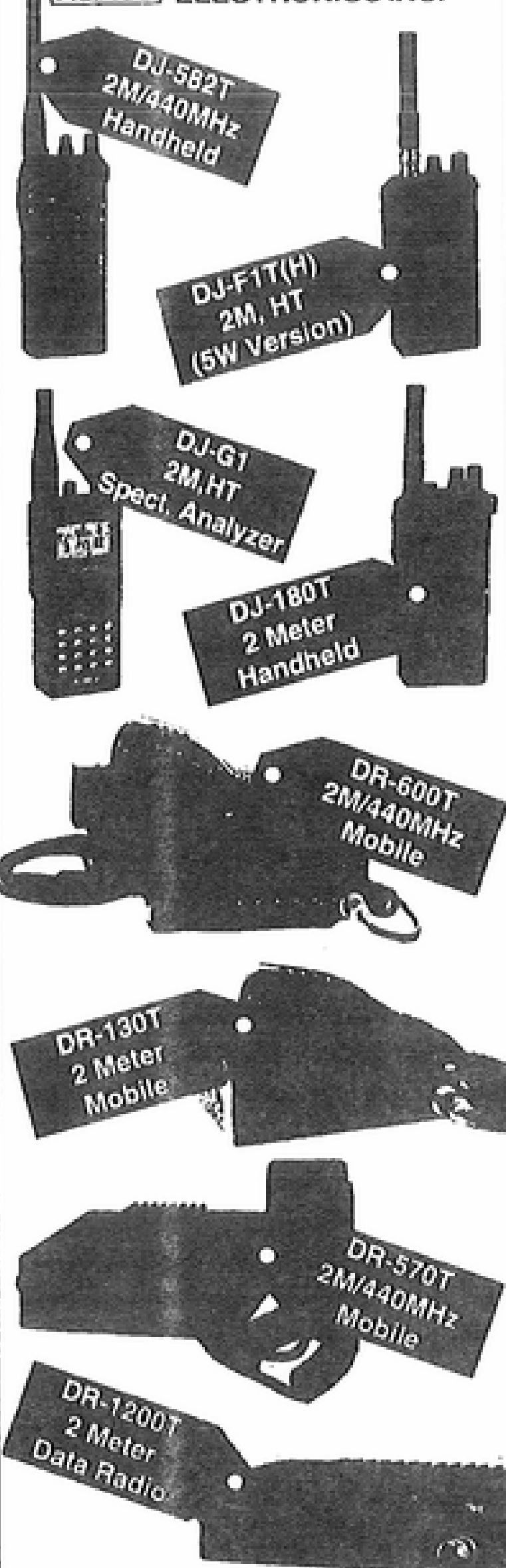
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### Minutes of OCAPA Meeting March 21, 1995

The meeting was called to order by Brad, KJ0W.

The minutes from the February meeting were read and amended to include: 1. The announcement of the Hamnic to be held at Don and Carol's (KC5BRO and KC5EXR); 2. The list of volunteers for OCAPA representatives to CORA who are: Dan KB5ZUE, Brad KJ0W as primaries and Chuck KB5ZVZ, and Ed WA5YDF as alternates. There was a motion to accept the minutes as amended. The motion was seconded and passed.

The Treasurer's report was given by Cheryl KB5WQR. There was a motion to accept the treasurer's report which was seconded and passed.

### COMMITTEE REPORTS

#### Severe Weather:

The severe weather/Channel 9 liaison Tom WA9AFM said he has set up several net controls for severe weather. Tom said Clarence W5LDF will be the main daytime net control. There will be a meeting with Gary England and the net control and radar personnel in the near future to go over procedures. It was announced that the courtesy tone will be a "W" (didahdah) when there is a possibility of severe weather net activation. The courtesy tone during the net will be a "N" (dahdit). Mac, K2GKK announced that there will be a packet posting of the Oklahoma Thunderstorm Outlook on his BBS (K2GKK-4) on 145.05 MHz. The reports are generated at 06:30 am and 12:30 pm by the National Weather Service and should be available on packet approximately an hour after those times. There may be other listings during severe

weather. Jim, KB5YHT was present from the National Weather Service in Norman. He said that they currently have a successful net in Southwest Oklahoma to Texas on 147.05. This is a Liaison Only Net where ONE person from each spotter net relays information to the National Weather Service. He said that the NWS makes announcements concerning severe weather on the 145.210 repeater. He asked that OCAPA allow the use of the 147.210 repeater as a back-up of this service. There was discussion of this matter. There was a motion to support the Oklahoma SKYWARN system by allowing the NWS to use this repeater as a back-up to the 145.210 machine. The motion received a second and passed.

#### Technical Committee:

Mike, KB5WIC gave the technical committee report. He said that there was a work day several weeks ago. Several hams including, KJ5GX, KC5DRI, KB5WIC, KJ0W and others worked on the machine and antennas. He said the 146.82 machine has a range of about 60 miles and does not have a 200 cycle hum. We will be purchasing from Elmo a set of cavities and a hardline connector so we can operate using one antenna. The long range plan is to pull each machine off line individually and rebuild them. The ultimate goal is to have a set of repeaters on the tower and a set on the ground for back-up. We are also planning to get a back-up controller so we can send the main one in for upgrading.

#### Properties Committee:

Ed, WA5YDF said all properties are OK. The Aeronautical Center Amateur Radio Club wants to borrow the club trailer system including the tower and generator system for Aerospace America. There was a motion to allow the Aeronautical Center Club borrow this equipment for the air show. The motion was seconded and passed. Brad, KJ0W thanked the club and said that anyone interested in joining Aeronautical Center Club could do so for \$10.00. John, NJ1V asked if the Aeronautical Center Club was going to join us for field day again this year. Brad said he would check to see.

#### Salvation Army:

Brad, KJ0W said he has been going to the Salvation Army for Net operations on the second saturday of the month. He said that Arch AB5KE has been helping out with HF. THERE ARE NO MINIMUM LICENSE REQUIREMENTS SO ANYONE CAN HELP OUT. THE NET IS AT THE SALVATION ARMY ON 50TH AND NORTH PENN AT 08:00 (MEET AT 07:30 FOR PREPARATION) ON THE SECOND SATURDAY OF EACH MONTH.

#### CORA committee:

Chuck invited everyone to read the March C&E. He said that there is a letter of resignation from John, NJ1V. Hal said the C&E will be putting in business card advertisements for \$5.00 a month.

### NEW BUSINESS

There was discussion about phone service for the autopatch. There was further discussion of the bill in the Oklahoma Senate concerning phone charges for public service lines like repeater autopatches, this could decrease our bill by two-thirds.

There was discussion about control operation of a station and third party traffic and possible abuses. Brad, KJ0W is to prepare a letter concerning third party traffic.

Jim, K5PER made comments and suggestions concerning support of AMSAT's Phase 3D satellite project. He suggested banning together as a club or with other CORA clubs to raise money for this amateur radio project.

Linda, N1LPN read a letter describing an A-Z award started by Mike, KC5AWB of the Altus club which was designed to help new amateurs to learn and perfect operating procedures. The contest involves making confirmed contacts with 26 stations each with a different last letter, one for each letter of the alphabet. Those interested in the award should contact N1LPN for more information.

## FIELD DAY

This year's volunteers for Field Day Coordination are: Mike, KB5WIC; Don, KC5BRO; Hal, KB1ZQ; and Clarence W5LDF. Those with suggestions or complaints are welcome to HELP in the planning and operation of Field Day.

There was discussion about and then a motion to purchase for club properties a tower jack. The motion was seconded and passed.

Mac said that we need to put up towers by stacking each section and said that there should be one experienced erector overseeing each tower erection. Mac said he would make a template for laying out guy stakes and lines.

John, NJ1V said we will need a CW-1 tent this year. This will allow more people to wander through the and see the station in operation. There was discussion to use all paper logs this year in order to let more people feel comfortable with operation. There was discussion to use Jay's, K5JL place as a primary and John, NJ1V is going to make arrangements to use Deer Creek School as a back-up. There was general agreement to these arrangements. John, NJ1V said he would get the necessary paper logs.

John, N5SAM said we now have a new used beam, another TA33 which needs some overhauling, in the club properties. We are in need of a rotor and control cable.

Perry, KB5TOT asked if people are interested in hats, shirts, or coffee mugs. People were more interested in shirts or hats. He will check further into prices.

## DRAWING FOR SCHOLARSHIP FUND

The winners were: Jeff, WD0GTY won cologne; Chuck, K5NK won a cake; Ed, WA5YDF won a cake; Chuck K5NK won computer disks; Clarence W5LDF won but declined computer disks and file box; Perry, KB5TOT won the disks and box.

## HAMNIC

The Hamnic will be a Don and Carol's (KC5BRO & KC5EXR) on April 22. Set-up will be a 12:00 pm and the party starts at 2:00 pm.

The meeting was adjourned.  
Attendance was 37.

Respectfully Submitted by,  
Perry, KB5TOT

## OCAPA's Spring HAMNIC

The date for the Spring Hamnic has been set for April 22. All OCAPA members and prospective members are invited to attend. The location is at Don, KC5BRO and Carol's, KC5EXR place. Directions can be had on 146.82, of course.

Although some meat left from the Christmas party will be provided by the club, everyone should bring whatever their family likes to eat on picnics. PLEASE BRING PLENTY. If you have a special dish that you like to share, contact Mary, KB5VNP for coordination. There will be two meals, one starting about 1 PM and the second around dark, with a campfire for roasting hotdogs and marshmallows.

Anyone wishing to help set up the station should show up at noon. We will set up the station and immediately get into the serious stuff. Games will include volleyball, croquet, horseshoes, baseball and anything you would like to bring. Believe me, some one will be willing to give it a try. Also there is a prime fishing pond there, right Ruthie? Come well rested and prepared to have FUN. CU there

--- --

Don, KC5BRO; Carol, KC5EXR  
Keith, KI5XA; Mary, KB5VNP

## AMSAT Phase III D Looking For Support

I observe that interest in amateur satellite operation is growing rapidly. Have you

heard of the latest SAREX (space shuttle) operation conducted by Tom, WA9AFM? Tom made it possible for school youngsters to talk to astronauts on the shuttle STS-67. SAREX is designed for developing the interest of students in the study of science and engineering. That is one thing among others.

There is more, but can't cover it all in this article. Amateurs can be proud of past accomplishments and commended for their vision to the future of amateur radio. Especially in the amateur satellite program. There is a fantastic group of dedicated, sacrificing amateurs in the organization known as AMSAT, that have brought us to where we are today. I have said before that thousands of us enjoy the results of the hard work and sacrifice of a few others. This is true in the satellite area.

I have said the above to say this, I would like to CHALLENGE CORA and every member of all the clubs represented in CORA, to do what he or she can, perhaps a little financial sacrifice, to support the PHASE IIID satellite construction and launch. For about five years the AMSAT crew has planed and worked and now their efforts are coming to conclusion. At present the progress is on schedule, except there is still much to be done and they are in need of financial support. Much of what they are doing is by FAITH. Faith that amateurs as a whole will arise to the occasion. Let's not let them down. There is no better way for all to have a part in this endeavor. Maybe you can't give much, alone it seems little and insignificant, but each one contributing together will make a formidable amount. I have given several times in the past and will again in the future. You can even Pledge and pay later. Please, let us show them we will not let them down. Then think of the good feeling and satisfaction of knowing you helped others to have the satellite privileges, even if you never work the birds. The LAUNCH is just a little more than a year away and time is urgent, it is the eleventh hour. Let's proceed promptly in this matter. Thanks and 73

Jim, K5PER

Collector and Emitter, April 1995

## A-2-Z AWARD

Developed by: Mike D. Brown, KC5AWB

Mike is a member of the ham radio club in Altus. He says he was inspired to create this A 2 Z Award due to have too much free time on his hands. This award requires only 26 contacts and at the same time you will be making new friends over the air waves. What is so unique about this award is it can be earned by any licensed ham. It can be the very first award for a new ham teaching basic skills as they work the different contacts. For an experienced ham, this award is new and to date only two other hams have earned it, be the first in OKC to earn this special award.

As Mike stated in his letter: I realize that a majority of the amateurs involved in 2 meter operations only, probably will not undergo the expense of having their own QSL cards printed up to exchange with other amateurs. I have announced at local club meetings that confirmed QSL's do not have to be done by professional printed cards and that handmade documentation will suffice as proof that any two amateurs have made voice contact with each other. (A simple regular post card is perfectly okay to use as a QSL card. If you do not know how to make a post card into a QSL Card, ask an experienced ham in your club for help.)

### RULES GOVERNING THE "A - 2 - Z AWARD" !

1. This award is open to all currently licensed Amateur Radio Operators worldwide.
2. All QSL confirmed, voice contacts must have been completed AFTER 9 SEPTEMBER 1994 !
3. Qualification for this award requires "26" QSL confirmed voice contacts within a specific Amateur Radio Band. Example 26 within the 40 meter band or 26 within the 2 meter band, etc.
4. Unless otherwise stated, all awards will require a \$1.00 fee, plus postage for return of any required QSLs.
5. Letters collected for the award must be the last stated letter of the call sign from the station that you worked. License suffix for upgrades such as /AG or /AE do not qualify, Example: N7RDF/AG counts as the letter "F" not "G".
6. QSL Cards with cross outs, write overs, erasures, etc., will not be accepted for any award.
7. Operators requesting an award must present "26" qualifying QSLs at one time to one of the listed Award Managers. Note: 25 QSLs in hand and 1 in the mail does not qualify for the award.
8. Confirmed QSLs must be obtained from "26" different Radio Operators. QSLs from the same operator after a license class upgrade does not qualify. Example: KC5CYU and AB5VX refer to the same operator with just a different class of license.
9. Confirmed QSLs can be exchanged via mail or in person but each should contained as a minimum the following information: Call Sign of the station worked; Date to include the day, month and year the contact was made; MHz or frequency, and mode such as LSB, FM, etc.

A -2- Z Award Managers as of 15 March 1995

AB5SI - Jim Romines,    KC5AWB - Mike Brown    N5UJB - Jim Arterberry

Further information may be obtained by writing to: A to Z Award

PO BOX-73

Altus, OK 73522-0073

OR

Michael Brown, KC5AWB

2312 Pawnee Ave

Altus, OK 73521-1518

( Packet KC5AWB @ WB5MJS )

# MORI NEWS

## CLUB MINUTES 7 FEBRUARY 1995

The meeting was called to order at 7:19 p.m. with President Scott, N5NYS in the chair and 49 members present (representing 19% of the membership). Visitors and guests identified were Gary, KC5KJA; Matthew, KC5KJB; Jim, K5PER; and Rick Whitman.

Drawings for Ham Holiday T-shirts for the "Joe Harding Memorial Scholarship" Fund were held by Jim, N5BEQ, and won by Regina, KK5FX, and Ve, KC5ILM.

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

Mike, K15DF, again presented the interest/survey form to attendees and reported the informative/organizing meeting at the American Red Cross Chapter Building on 15 January to be a success. Another is scheduled for Thursday, 9 February, at 6:30pm and a pair of S.E.T.s (Simulated Emergency Test) are scheduled for 9 and 11 MARCH.

**REPORTS:** CORA - No reports/et/s; Jim, N5BEQ, reported the intentions of the other representatives to resign. Other representatives are now needed to replace them; Robert, N5QKI, and Kris, KC5LJK, volunteered.

**VEC - Toy, AB5ET,** reports the exam publicized for next Sunday, February 12 is in error; the next scheduled MORI ve Exam session will be March 8, at the usual KOMA/KRXO Studios site in Moore, OK, at the usual 2 p.m. start time. He also announced that the 9 successful candidates from the latest session, Sunday, have already been notified of their call signs thanks to e-mail filing of their test results!

**TECHNICAL - Martin, KN6UG,** distributed a limited number of data sheets covering sub-audible-tone capabilities and requirements for the 442.5 and 224.1

repeaters including the reminder that the 220 MHz. system shares the phone autopatch line with the 146.67 system but does not override it on the air.

**OLD BUSINESS :** Craig, N5VIS, announced that since his presence was required elsewhere by his employer, any new members wishing to join or existing members wishing to renew could be processed quickly, before his departure.

Jim, K5PER made a further announcement seeking interested parties, supporters, and volunteers for A.R.E.S. (Amateur Radio Emergency Service).

There being no New Business, this meeting was adjourned at 8:08 p.m. the next meeting is scheduled for 7 March 95, at the usual time and place.

Secretary,  
Jim, N5BEQ

## -----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 from the Edmond area meet for coffee and breakfast 8:30 a.m., Saturdays at Gambrell's Country Kitchen 2826 East 2nd Edmond.

## On the Air

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

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

Packet check-in on 145.07

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

HF 3900kHz; Packet 145.07

**AMTOR @ 8:30 a.m.** 14.064MHz

**Night Owl - Daily @ 10:30 p.m.** on 146.07/67 with alternate 146.325/925.

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

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

**Edmond Info - Mondays @ 7:00 p.m.** on 147.135/735.

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

**QCWA Chp 63 HF - Sundays @ 8:00** on 3856.5kHz.

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

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

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



## INTERESTING !!!

There has been a question concerning the name of this newsletter and that it was copyrighted. Sorry to say, but it is not. If you want to verify this and do not trust my word, call The US Copyright Office at 1-202-707-3000; direct line is 1-202-707-5959. They do not copyright names and the logos of newsletters. PERIOD!

I did discover that the US Patent and Trademark office are the ones that do register them. Phone number is 1-703-308-4357. Phone number to receive a booklet on general information is 1-703-557-4636. They do not do searches to discover if a name has been Trademarked. To find out this information, you need to go to the Oklahoma State University Library in Stillwater, OK and do what is called a, "Trademark Search." The direct phone number is 1-405-744-7086. They will not tell you anything over the phone but will mail the information and it will take about a week. I'm waiting for my letter to clear up this curious question. I will let you know what I find out. It is part of the information I've been searching for to be able to complete an article for the series, A Look Into Our Past: History of the C&E. I hope to have it ready for the June or July issue.

## CHIT CHAT

First, I wish to apologize to those hams that were shocked with disbelief, and were unaware of the subject matter, concerning my articles in the March issue of this newsletter. My purpose was not to cause more strife but to enlighten those whom had been possibly misled as well as to let our ham community know the truth. This current situation must be resolved or it will destroy the ham community as we know it. We have tried remaining silent, time and time again have attempted to resolve this situation with those involved quietly and our own silence has cost us dearly. I broke that silence mainly because I felt that you, as a member of this community, needed to be aware of what is going on and than would be able to make a decision based on knowledge instead of

rumors and half truths. I did not want you left in the dark if CORA folds, which has been seriously discussed and considered. Presently, we are taking one month at a time, going ahead with plans for HH22 and continue publishing this newsletter. Again, I apologize to all that might have misunderstood my purpose. Enough said, it is now up to you in the ham community on the directions our future will take.

On to more pleasant topics, if you have not heard yet, my 16 1/2 yr. old son came home from school on the 16 of March with a full blown case of CHICKEN POX! That same day, the FDA approved a vaccine they had been sitting on for 7 years. The vaccine is for CHICKEN POX. Great news but just a little late for Mike. It has been rough at times but not as bad as everyone tried to tell me it would be. I have cared for younger ones with chicken pox before and Mike never caught them, I was told he had a natural resistance to them, Surprise! He was much easier to care for than those younger ones were. He is at the age were he was able to call the doctor when he had a question and faithfully followed everything he was told to do. Anyway, it has been a learning experience for both of us, Mike has become an expert on Chicken Pox and the treatment for it.

I have been talking and visiting with a few of our old-timers, gathering material for, A Look Into Our Past series. I have been given some interesting information I would like to expand on and am hoping there is someone who can shed light on this. It seems that during W.W.II hams were told they could not use the air waves in fear of a possible break in National Security. In other words, there was a ban forbidding ham radio activities, including monitoring, sometime during the war. I have been given two different dates on when the band was lifted, 1945 and 1948. HELP!!!! I have also been told that ham radio was "not just a hobby" but was to encourage the learning of electronics and its' unlimited possibilities. I would love to hear from those that remember building their first radio. I could spend all evening hearing stories about amateur radio before it become so Hi-tech. I honestly believe that if we would take the time to listen to

our old timers we would understand the legacy we have been entrusted with. I have just touched the surface, and am totally amazed by what they were able to do with so little. I feel truly honored when one of our old timers shares his knowledge with me, I love hearing the stories.

That's it for this month. Next month Edith will honor us with another puzzle and another ham will be spotlighted for the example they have set for us all. I will be busy making Lap Scrap Quilts in April. The reason I'm making them is for a club raffle to be held in May for the "Leonard T. Hanstein Memorial Sholarship" fund. (Leonard was my first voice context when I recieved my ham licence). The style is from the Civil War era and were common in this area, some would have fancy stitches and called Crazy Quilts. These are practical quilts, not State Fair stuff, and yet they are so easy to make and each one is different. Until next month, enrich your life and spend some time with one of our old-timers, it will be well worth it.

Linda, NILPN

## THE XYL OF IT

by Rosiland Wilkerson  
Via Florida Skip

When he courted me, for the most part  
He lovingly called me "Sweetheart."  
Then came marriage and I'd hear  
An enduring patience as he called me  
"Dear."  
Along came children, and often as not  
"Papa" would call me "Mama" quite a lot.

All these names I've taken in stride  
And accepted them with an amount of  
pride.  
Comes our golden age, and what do I  
hear?  
Nothing sentimental, cute or dear,  
But initials; And please tell me how in the  
hell  
Can I accept being called an "XYL"!!!

(C&E February 1975; pg 14)



## A. R. R. L. Bulletins

From ARRL Headquarters  
Newington, CT 06111

### Bulletin 18 February 21, 1995

Ballots have been counted for Section Manager elections in Arkansas, Mississippi, and Orange. Terms of office begin April 1, 1995.

The results are as follows:

#### In Arkansas

George Mitchell, KI5BV, 485  
John Woolem, N5TKG, 105  
Mitchell was declared elected.

#### In Mississippi

Ernest Orman, Jr. W5OXA, 217  
Betty Dobbs, N5DUZ, 199  
Orman was declared elected.

#### In Orange

Joe Brown, W6UBQ, 1,125  
Rich Heryford, WD6ESZ, 140  
Brown was declared elected.

Six other Section Manager positions were not contested. The following were declared elected.

#### In Arizona

Clifford Hauser, KD6XH

#### In Iowa

James Lasley, N0JL

#### In Kentucky

Steve Morgan, WB4NHO

#### In Montana

Darrell Thomas, N7KOR

#### In North Texas

Bob Adler, NZ2T

#### In Wyoming

Rev Morton, WS7W

### Bulletin 19 February 24, 1995

**Update on ARRL President's Condition**  
ARRL President George Wilson, W4OYI, suffered a stroke on February 11. His vital signs have stabilized and he is being moved from intensive care to an intermediate care facility at the hospital in suburban Virginia where he is undergoing treatment. His wife Marian and their two children deeply appreciate the expressions of support that have come from radio amateurs throughout the world. Doctors are optimistic about George's prospects for recover. Cards may be sent to him c/o ARRL HQ.

### Bulletin 20 March 4, 1995

**Emergency service sought**  
The ARRL has filed comments on FCC notices of proposed rule making concerning a proposed new Emergency Alert System (EAS) in FO Dockets 91-302 and 91-171.

The EAS proposal signals, the League said, the Commission's intention to integrate broadcast alerting concepts into local and regional emergency response plans, and said that the Amateur Service is a logical partner in providing emergency information to the public.

The League said that Amateur Radio has a history of providing emergency communication, through the Radio Amateur Civil Emergency Service (RACES) and the Amateur Radio Emergency Service (ARES). The ARRL said that while the Commission in its proposal had cited amateurs as an "auxiliary" entity in emergency communication operations, in fact the Amateur Service is a "principal" provider of communication during disaster relief and other emergencies.

The League said that Amateur Radio should be considered an available resource at all levels of EAS organization—local and state. The League, the ARRL said, has for some time had memoranda of

understanding with the American National Red Cross, the Salvation Army, the Federal Emergency Management Agency (FEMA), the National Communications System (NCS/DOD), the Associated Public Safety Communications Officers Inc (APCO), and the National Weather Service.

The League suggested that EAS participants should be a part of overall emergency planning, not just emergency communication planning, and urged integration of Amateur Radio (as well as other radio services) into that planning.

### Bulletin 21 March 7, 1995

#### Vanity call schedule

The Federal Communications Commission form necessary for applying for an Amateur Radio vanity call sign, Form 610-V, will not be available until after May 1.

Amateurs who call the FCC to request the form before then will not have their names recorded and it will be necessary for them to request the form again, when it is available.

Applications for amateur vanity call signs will not be accepted until after the forms are available, i.e., until sometime after May 1. The FCC will make a public announcement of the date of opening of the first "gate" for vanity call sign applications.

Beginning May 1, 1995, FCC Form 610-V may be requested by calling the FCC Forms Distribution Center at 1-800-418-3676. Or, send an SASE to ARRL-VEC anytime, for a form 610-V by return mail as soon as they are available after May 1. Write "Form 610-V Request" on the outer envelope.

### Bulletin 24 March 17, 1995

The NTIA has released its Spectrum Reallocation Final Report as required by the 1993 Omnibus Budget Reconciliation Act (OBRA). The OBRA sought to make spectrum presently allocated to the federal

government available for non-government use.

In its preliminary report, the NTIA had proposed to make 2390 to 2400 and 2402 to 2417 MHz immediately available with 2300 to 2310 MHz to be available in 1996. These bands are allocated to the amateur service on a secondary basis. The ARRL and other amateur interests objected to any reallocation that would diminish the usefulness of these bands to amateurs. The principal users of 2400 to 2450 MHz are Industrial, Scientific, and Medical (ISM) devices such as microwave ovens, the amateur service, and non-licensed devices operating under FCC Part 15 rules.

Based on the public comments, the NTIA has concluded that subdividing 2400 to 2450 MHz into three parts, as originally proposed, would not best meet the needs of the principal users of the band. The NTIA final report says, "reallocating the entire 2400-2450 MHz band would provide the FCC with the opportunity to develop a long-term regulatory framework and strategy that meets the needs of the amateur service and addresses the requirements of a robust and growing Part 15 industry." The action, according to the NTIA, "creates a sense of stability regarding future non-federal use and provides the opportunity to have a significant amount of spectrum for long-term development of non-licensed technologies."

As reported earlier, in a parallel proceeding, ET Docket 94-32, the FCC decided to make 2390 to 2400 MHz available for Part 15 use in addition to the existing Part 15 band of 2400 to 2483.5 MHz. The FCC has identified no additional services to be introduced into the 2390 to 2450 MHz band, and none are recommended in the NTIA report. The relative status of the amateur services and the non-licensed Part 15 devices is the subject of a further FCC Notice of Proposed Rule Making in Docket 94-32.

The NTIA has accelerated the schedule for making 2300 to 2310 Mhz available for additional non-federal use, to August 1995, but with airborne and space-to-earth links prohibited and commercial

applications limited to less than 1 Watt of power. Continuing amateur requirements for 2300 to 2310 MHz are detailed in the NTIA report. The FCC has as yet made no determination regarding possible new uses for the 2300 to 2310 MHz band.

The complete text of the NTIA Spectrum Reallocation Final Report is available by connecting through the Internet to <http://gopher.ntia.doc.gov> or to <http://www.ntia.doc.gov>. More information will be in May QST.

#### **Bulletin 25** March 17, 1995

The FCC has released a Report and Order in EQ Docket No. 93-40, allocating the 219 to 220 MHz band on a secondary basis to the amateur service for point-to-point fixed digital message forwarding systems. The allocation had been requested by the ARRL as partial compensation for the loss of the 220 to 222 MHz band.

When the new rules take effect, on a date that has not yet been announced, Technician and higher class amateur licensees will be permitted to use digital emissions of up to 100 kHz bandwidth and no more than 50 Watts PEP output. The primary occupant of the band is the Automated Maritime Telecommunications Systems (AMTS). To protect the primary occupant, the ARRL has been designated as the national contact point for all amateur operations in the 219 to 220 MHz band and is responsible for maintaining a database of all amateur operations in the band. All amateur stations must notify the ARRL at least 30 days prior to initiation of operations in the 219 to 220 MHz band. Amateur stations within 50 miles of an AMTS Coast Station must obtain the written approval of the AMTS licensee prior to operating. Amateur stations within 398 miles of an AMTS Coast Station must notify the AMTS licensee in writing at least 30 days prior to initiation of operations. The ARRL will assist amateurs in fulfilling these requirements. Amateur stations operating in the 219 to 220 MHz band are not permitted to interfere with, nor are they protected from interference by, primary

service operations in and adjacent to 1 band.

The FCC action climaxes almost six years of effort by the ARRL. For additional background see May 1993 QST, page 9. Full details will appear in May 1995 QST.

#### **Bulletin 26** March 21, 1995

The ARRL has petitioned the FCC for partial reconsideration of one aspect of its proposed vanity call sign program.

The League has asked that the Commission require that amateurs requesting vanity call signs in eligibility "gates" other than Gate One specify call sign choices in the call sign region of their then-current mailing address. (Gate One is for applicants for a previously held call sign or the call sign of a deceased relative.)

The League said that, reinforced by the comments of a number of amateurs, it believes that the history of call sign regions and the nature of amateur radio communication indicate that call sign regions should be retained for vanity call sign applicants. "Amateurs are, in general, most supportive of the use of call signs as a quick means of determining the general location of a station," the League said.

The League also said that, because some call sign regions would have fewer available call signs than others, allowing an "open field" would deplete the call sign pools in some regions, ultimately depriving some applicants who want a call sign in their own region the opportunity to obtain one. The ARRL cited in particular the limited call sign banks in Puerto Rico (KP4), Alaska (KL7), and Hawaii (KH6), as examples.

The ARRL said that otherwise it fully supports the Commission's vanity call sign proposal, and that it believes sufficient time is available to consider the League's proposed change before the FCC is ready to open Gate Two, the first that would be affected.

## ALL PORTUGUESE LANGUAGE COUNTRIES AWARD - PLCA

This came in the mail from the DX association in Brazil. I figure it's another piece of wallpaper we can try for. Good hunting and good DX.

### Rules and Requirements:

a) Confirmed contacts or SWL reports, on any authorized band or mode, with 10 Countries of the world speaking the Portuguese language, as listed below (DXCC List):

C9 - Monambique	CT - Portugal
3CT - Madeira Island	CU - Azores
D3 - Angola	D4 - Cape Verde
J5 - Guinea Bissau	PY - Brazil
PY0F - Fernando de Noronha Island	
PY0S - St. Peter & Paul Rocks	
PY0T - Trindade & Martin Vas Island	
S9 - San Tome & Principe	
XX9 - Macao	

b) All contacts must be made from the same Country;

c) Contacts must be with land stations. Ships; anchored or not, and air craft, are not allowed;

d) PLCA will be issued to all licensed Radio Amateurs and SWLs.

e) No time restrictions.

f) Endorsements:

Contact with 13 (all) Countries;

g) GCR List are required; All contacts must be confirmed by QSL.

h) QSL Cards are not necessary.

i) Fee for award and endorsement is US \$4.00 or 05 IRCs (via AIR MAIL)

Endorsement only: US\$1.00 or 01 IRC.

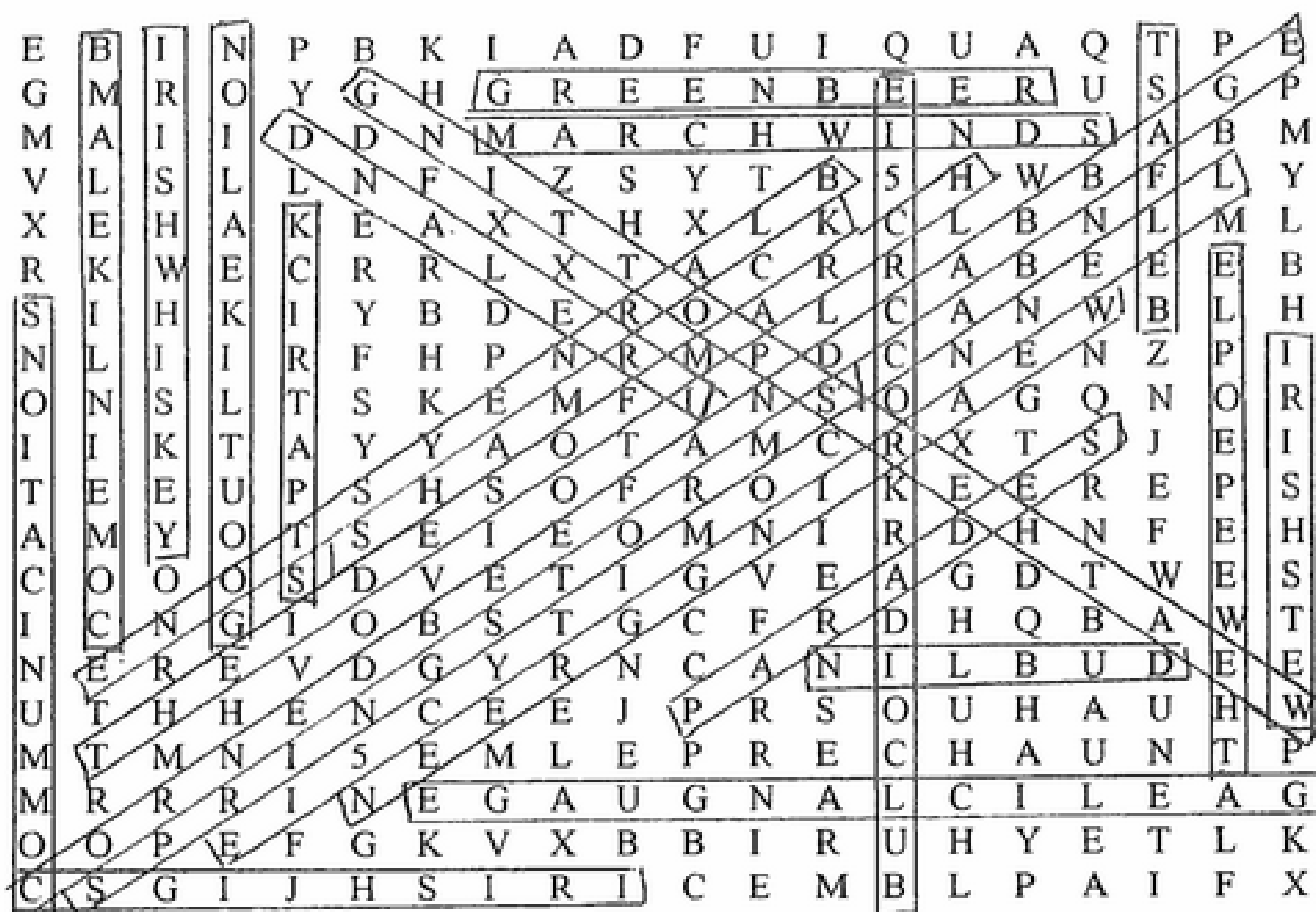
(A piece of carbon paper folded around money prevents tampering!!)

j) PLCA is pressed in original size 310mmx215mm, in 2 colors.

AWARD MANAGER : Northeast Brazil  
DX/SWL Group c/o PS7AB Ronaldo B.  
Reis PO Box 2021 59094-970, Natal,  
RN, BRAZIL

## Word Search

by Edith Vaughn, KA5YPX



BELFAST  
BLARNEY STONE  
COME IN LIKE LAMB  
COMMUNICATIONS  
CORNED BEF AND CABBAGE  
DUBLIN  
EI5CRC CORK RADIO CLUB  
EI5CY TIM OCONNELL  
GAELIC LANGUAGE  
GO OUT LIKE A LION  
GREEN BEER  
IRELAND

IRISH JIGS  
IRISH STEW  
IRISH WHISKEY  
LEPRECHAUN  
MARCH WINDS  
PARADES  
SHAMROCK  
SPRING STORMS  
ST PATRICK  
THE IDES OF MARCH  
THE WEE PEOPLE  
WEARING GREEN

WEATHER SPOTTING

## CryptoQuote

by Forrest Rush, N5VWF

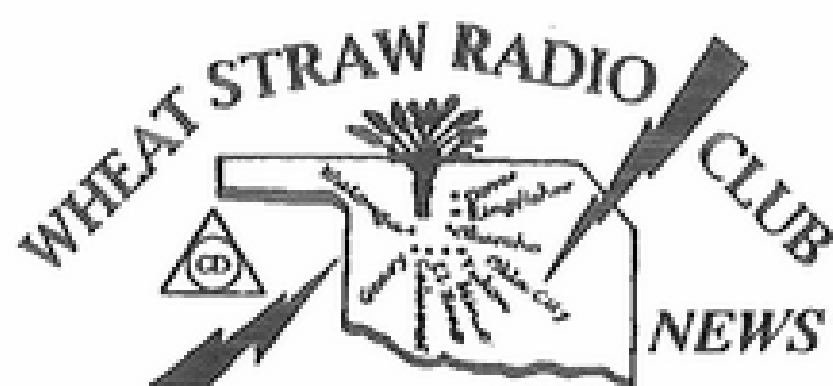
One letter stands for another; words, single letters, punctuation, and sentence structure are all clues.

Crypto Clans: Each list contains related items; word structure and single letters are clues.

O. I. Zgryggzl

- |                       |                 |
|-----------------------|-----------------|
| 1. Ezvc               | 4. Cgfyhryn Fyy |
| 2. Ozpi - Mzfy Neqwpv | 5. Nyprz Pwwq   |
| 3. Pwv Qyhcnwcu       | 6. Adzn         |
| 7. Kyfyzvy            |                 |

Last Month's Answers: HF Antennas, Yagi, Half - Wave Dipole, Log Periodic, Inverted Vee, Delta Loop, Quad, Beverage



### Wheatstraw March Meeting

The March 12, 1995 meeting was held at the American Legion hall at West Main and Taylor Road in Watonga. There were no signs up leading to the location -- they are still being painted and will be up soon -- but the club members seemed to like the building.

The meeting was called to order by our president, Leo, WZ5H. It was most certainly good to have Jim, N5VDY, back at the meeting. Jim is recuperating from a bout with his heart and in the hospital. Jim, we hope you don't ever have to go through that again.

There were twenty two at the meeting. All officers were present. Minutes of the previous meeting were read by Joe, WA5FLT. Then, old business was the question of the T shirt or new vest the club wished to buy for summer wear. I think all members have jackets for winter.

Ray, AB5Z, made a motion that the club move up the next meeting to April second, and that the club caravan to the hamfest at Moreland, and have our meeting by radio on the way up. The motion was seconded by Tom, N5IKN, and carried. Persons with mobile radios are invited to caravan with us to Moreland.

The information we got is that after the first announcement of no covered dish dinner was made several inquiries were made about it and now the covered dish for Sunday dinner is on. Check into the nets for further info.

Jim, N5VDY, being the vice president, has the responsibility to appoint a club activity chairman. Wanda, KC5GTW, was absent, but Jim announced that he was appointing Wanda.

Johnny, K5GBN, made a motion that the

club hold its thirty fifth anniversary possibly in the latter part of June. Hopefully it will be more positively stated in the next month's newsletter -- plans should be more firmed up by then. The motion was seconded by Donis, KB5TGT, and carried.

Johnny, K5GBN, made a motion that the meeting close for refreshments. It was seconded by Jim, N5VDY, and carried. It seemed everyone brought refreshments. I could not get around to every dish, but they were very good. The snacking and fellowship lasted until about five o'clock.

Ralph, WA5PFK

### Long Duration SAREX Mission

(from W5YT)

The Space Shuttle Endeavor made a spectacular lift-off from the Kennedy Space Center March 2nd, initiating what promises to be the longest space shuttle mission to date. The STS-67 Space Shuttle was delayed approximately one minute from its planned 6:37 UTC lift-off time due to some questions regarding the Shuttle's cooling system.

Launch controllers found a clearing in the overcast sky and sent Endeavor on its way at 1:38 a.m. Endeavor remained visible in the clear night sky for more than 500 miles as it soared over the Atlantic Ocean. It slipped into orbit 8 1/2 minutes after lift-off.

The seven astronauts on-board Endeavour are studying the far reaches of the universe using the ASTRO-2 observatory, a cluster of three ultraviolet telescopes. Previously NASA's longest Shuttle trip was the 14-day, 18-hour flight by Columbia last summer. If all goes well, this mission will surpass that by 19 hours.

Also on board the Space Shuttle Endeavour is the Shuttle Amateur Radio Experiment (SAREX). Six of the seven Endeavour astronauts have their ham radio licenses. These include avid AMSAT supporter Bon Parise, WA4SIR; Commander Steve Oswald, KB5YSR; Pilot Bill Gregory, KC5MGA; Mission Specialist Tammy Jernigan, KC5MGF; Mission Specialist Wendy Lawrence, KC5KLL; and Payload Specialist Sam Durrance, N3TQA.

Shuttle commander Steve Oswald, KB5YSR, reported at 22 hours, 58 minutes into the mission (March 3rd) that he had a good checkout with W5RRR, the Johnson Space Center Amateur Radio Club's ground station.

The Shuttle crew initially had a problem with receiving their daily mail by fax and mission control kidded that maybe they should send the messages via SAREX. SAREX is being flown in configuration "C" on this mission, voice and packet. Operation is on the following frequencies:

Voice Downlink: 145.55 MHz (Do not transmit on this frequency!)

Voice Uplinks: 144.99, 144.97, 144.95, 144.93, 144.91 MHz. (Except Europe)

Voice Uplinks: 144.70, 144.75, 144.80 MHz (Europe only)

Packet Downlink: 144.55 MHz (Callsign W5RRR-1)

Packet Uplink: 144.49 MHz

### I am an American

Let me be proud, and happy to say,  
These words and repeat them every day,  
"I am an American."

Let me remember where ere I be  
The strain of "My country 'tis of thee,"  
And give thanks to God for making me,  
A devout American.

Let me be ready to fight.  
For my country in the cause of right,  
And uphold the Starry Banner bright,  
As a true American.

Let Old Glory be my boast and pride,  
Let it be honored the whole world wide,  
For It is American.

And let not ever be afraid,  
The cowardly ingrate to upbraid,  
Who has not his country's gift repaid,  
As befits an American.

Let me remember till my dying day,  
True to my country in every way,  
And let me before the whole world say,  
"I am an American."

Author unknown

### Needs a Little Direction

A first grader appeared to be greatly upset when he came to the principal's office and asked if he could use the phone to call his mother.

"Is there something wrong?" asked the principal.

"Well," the little fellow said, "yesterday I forgot my sweater and left it here at school. This morning my mother told me not to come home without it. I can't find it anywhere, so I need to call her and ask her where she wants me to go."

### Do You Remember When?

Luxury was a two holer outhouse; now it is a house with two bathrooms and indoor plumbing.

An evening at home was gathering around the radio for a mystery program; now we flip through 15+ channels and find nothing to watch.

After dinner, the family gathered up all dishes and helped to wash; now let's eat out and let someone else do the cooking and cleaning.

Speaking of changes, life is full of them from birth until death. The population over 60 years of age have seen more changes than any other generation on earth. They have seen the depression, the oil boom years, riding horses to school, to man on the moon. They have seen medicine take a vast step forward, from growing up without seeing a doctor, to having a specialist for every illness.

### The Better Mouse Trap Has Been Made

Over the years we have had a lot of sweet corn in our garden. Every year, having to put up with earworms in the corn, I like to listen to Oklahoma Gardening to get tips I can use for better gardening. A few years back the host on the gardening show quit and the program brought back a retired professor to fill in. The wife and I liked him; we had watched him for many years previously. One of his listeners wrote in, asking

the professor if he knew how to keep the worms out of sweet corn. Reading the letter on television he said, "I have tried every thing I can think of, and the best thing I have come up with is to be sure and plant enough corn for the worms and for yourself."

I picked up an older issue of the Oklahoma Farmer Stockman, and while reading it I ran across an article, *Practically Worm-Free Sweet Corn*.

Danny Sharry picked an ear of corn out of the ice water at the end of the receiving conveyor and offered it as an example of a perfect ear of corn. He knew what he was doing because there was only three percent chance of finding a worm in that ear.

In the early stage of tasseling, pheromone traps were put out at the edge of the corn field. They were packed with about 200 to 300 earworm moths every night. That year the sixty acres produced 6,000 boxes of 97 percent worm-free corn. They are hoping for at least 175 boxes per acre.

Partners in the 6,000 acre farm (SJS) are Sharry, Don Jennings, and Bud Smally. They used the recommended 8 oz. rate of Asana (esfenvalerate) and one percent rate of cottonseed oil in the sprayer.

### IARU Says Ham Radio Needs Morse Code

W5YI, March 1, 1995, reports that a three member committee studied CW ad hoc to determine if there was a need for Morse code. The results were the committee found it necessary on the HF bands of today.

After the International Amateur Radio Union released its study it ended up with a three page pro and con situation. Actually, I don't think anyone knows what the FCC will do about Morse code yet.

### ARRL Briefs

Electronic filing works! Thanks to this new FCC program, begun late last year, a prospective ham can learn his or her new call sign and be on the air in as little as two weeks after passing the examination. Call

the FCC's Gettysburg PA office (800-322-1117) to determine your new call sign.

The FCC report and order on vanity call signs appears in full on page 41 of April QST. Please note that although the new rules become effective March 24, the "gate" to apply for call signs is not until late April at the earliest. The FCC will announce opening of each gate. Watch W1AW and other ARRL news outlets for these announcements.

Help W1AW help you by responding to the listener survey now being conducted. Details were on page 51 of March QST.

### Strange Comment

As I was moving from one frequency on 75 meters to another, I heard a man say, I quote, "The only dogs and kids I like is the ones I raised myself that are grown up and left home." What a shame!

Ralph, WA5PFK

### Truth about Inverted Vee Antennas

A recent question about why inverted Vs were such popular HF antennas was asked with some speculation:

Is the impedance of an inverted V better?

Does it have a better radiation angle?

Does an inverted V pick up less noise?

Well, some of these thoughts might be worthy of consideration, but there is really only one significant reason why the inverted V is so popular:

It only takes one tall support to hold it up, whereas a straight line dipole takes two! Also, the weight of the coax is supported by the pole rather than 60 or 100 feet of antenna wire stretched taut.

I didn't have time to check this out with my technical friend, K5JB, but if he is not asleep when he reads this, he will surely correct me if I am wrong.

Lord, fill my mouth with worthwhile stuff, and nudge me when I've said enough.

Ralph, WA5PFK



## VHF Club

## NEWS

W5LOW

Elmer Goekler Memorial  
StationMinutes of March Meeting

Meeting was called to order President Jackolyn, KA5ENU, at 11:59 a.m. with 10 members and guests present. Bob, W5HXL, gave Ellard's Treasurer's report for him. Bob also gave the CORA report and asked if the club was interested in volunteering to chair the Ham Holiday Technical Committee. It wasn't. There was some discussion of what the club members wanted regarding CORA, and the Collector and Emitter.

Jackolyn lead some discussion about what the club members wanted for activities this year and there was almost unanimous decision that anything was all right as long as there is plenty of catsup to put on it. Jackolyn had some good ideas for outdoor events

Since Charlie, WA5JGU, was not present, the club members wanted him to know that we were thinking of him, so we awarded him the "Turkey of the Month" award. We're thinking of you, Charlie!

Ray, W5TY, related that an amateur radio operator named Joe Corey had video tape of some hams and their shacks, taken some 30-40 years ago (evidently movie film copied to video tape). He couldn't remember Joe's call and I couldn't find any Oklahoma Coreys in my SAM callsign data, so check with Ray for the details on this video tape.

With all this wonderful stuff done, good food gone, and fun had by all, meeting adjourned at 12:30 p.m.

Joe, K5JB, Sec'y

Early April Fool Article

Those of you who have been around for awhile may remember when I would expend a lot of energy writing elaborate April Fool articles. Well, I don't expend that much energy doing anything any more so I have to admit that the errors in last month's

article were honest mistakes, caused by sloppiness.

Jerry, KD5IS, pointed out one of them during club meeting lunch. I missed the angle in the 3-4-5 right triangle by a mile. I must have punched the wrong key on the calculator because the angle opposite side 3 is more like 37 degrees, rather than 48.6. Any fool can see that this angle is less than 45 degrees. (I punched up arcsine of 3/4 instead of 3/5). The correct angle is 36.86989765 degrees (I think). So there! I will leave it as an exercise for the reader to rationalize the other error. (Hint: Hal, KB1ZQ, spotted it 5 seconds after I handed him my copy.)

What actually happened was that I spent more time playing with the computer making the theta and square root symbols than thinking about what I was supposed to be saying. I have to admit that these computers are a lot of fun to play with, and *great time wasters!* The greatest time waster of all, Internet, is getting a lot of publicity now. Whenever someone asks me what I recommend for Internet access, I ask them what they are looking for, and they usually say, "I dunno. I just wanted to see what is there." They call it "net surfing", I call it "*wasting time*", but I call a lot of things "*wasting time*", and I do a lot of it myself.

But I didn't used to. I saved up a lot of time when I was pursuing my career, so I could afford the time (and money) to waste time in a style to which I wanted to become accustomed, heh! I still spend a lot of time exploring things to see how they work, and some people call that "*wasting time*".

I don't do so much electronic hardware experimenting any more because -- using the phrase I used on Jackolyn, KA5ENU, a couple of times Saturday -- I've "*been there, done that*". I do get a lot of enjoyment out of programming these computers to do some of my amateur radio playing for me. All the software I run on amateur radio is home brew. Since I would rather have the computer *working for me*, than I for it, I enjoy walking away from it and let it do the work. Jim Purpura, KB5YHT, recently started posting Oklahoma Thunderstorm Outlook (OTO) bulletins twice daily on the packet

radio BBS network. I thought that was really neat. But, since some of my best friends run TCP/IP -- and I hate to see anybody who is running TCP/IP (the mother of computer networking protocols) have to grovel at a BBS to get twice daily bulletins -- I decided to mail OTOs automatically to those folks. Building on a program that I wrote for Gary, N5PVQ, to automatically mail his mesospheric observations, I knocked together a little background process for my packet radio computer that would mail out the OTO bulletins as soon as they arrived on my BBS. (The BBS and the TCP/IP programs are running on the same computer.) So far it has worked well, after running for a day, or so. Norm, N0E1.S, took the program I wrote for his Mesonet data and adapted it to move the OTO mail message to a public file area so people could connect to his station, type "OTO" and get the latest outlook.

We may not have any networks that go anywhere fast, but we sure have a lot of fun packeting around town. And, I have not had to invest in a drool-proof keyboard, yet!

Joe, K5JB

Repeater Phone Lines

I saw in the March 22 *Oklahoman* that the bill to require the phone company to only charge residential rates to amateur radio clubs was defeated in committee. I was sorry to hear that.

At the last Oklahoma Repeater Society meeting in Edmond I heard a report about the efforts that were going into that bill, and it sounded like it was being approached in the right way. The newspaper article probably didn't record the essence of the issues correctly because the arguments that I understood were being used were not at all like those which were reported in the paper. If what was reported was actually what transpired the bill wouldn't have had very strong case for passage.

Of course I don't know the whole story and maybe this C&E will elaborate on it, but in the meantime I guess clubs that want to tie phone lines to their repeaters will have to continue to use tact and diplomacy, or pay the business rate.

Joe, K5JB



PLEASE PRINT

I \_\_\_\_\_ Call \_\_\_\_\_  
NAME

Address \_\_\_\_\_ Apt \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Telephone \_\_\_\_\_ Do hereby transmit my dues of \_\_\_\_\_

\$ \_\_\_\_\_ X \_\_\_\_\_ Total Paid \_\_\_\_\_  
YEARLY AMOUNT NUMBER OF YEARS

In the (Club Name) \_\_\_\_\_

Month and Year ending \_\_\_\_\_ / \_\_\_\_\_ Date Paid: \_\_\_\_\_ / \_\_\_\_\_  
YEAR/MONTH YEAR/MONTH

☐ \$4.80 OF YEARLY AMOUNT IS FOR A SUBSCRIPTION TO CORA'S COLLECTOR AND  
EMITTER (CORA Associate Only Paid with Dues To Supporting Club.)

☐ \$7.00 for Individual Subscription to Collector and Emitter (Funds sent directly to C&E)

Member's Signature \_\_\_\_\_

NEW RENEW DROP CHANGE-OLD ZIP/CALL \_\_\_\_\_

## Repeater Trustees Can Ban Users

**FCC Says Repeater Trustees Can Ban Users!**

**Civil Court Orders Ham Off Repeater**

by Bert Hicks, WB6MQV

The Federal Communications Commission has issued a letter of interpretation that validates the authority of repeater system licensees to ban duly licensed radio Amateurs from operating over their open repeaters. The interpretation comes as a result of a request for clarification sought by attorney Sidney Radus, N60MS, of Orange, California. Radus is the attorney representing the Claremont Amateur Repeater Association in its fight to regain control over the way that its club repeater systems are used and who can have access to them.

In preparation of a civil complaint against one unwelcome user, attorney Radus wrote to the FCC's Private Radio Bureau to find out exactly where his client stood in regard to operation of a repeater station as outlined under Part 97.205(e) of the Amateur Service rule. His fax was answered by Personal Radio Branch Chief John B. Johnston, W3BE. Johnston is well versed in Part 97 regulatory matters; his was the guiding hand that crafted the latest version.

**California Judge Says FCC Should Act Against KJ5KE**

A man described as a "disgruntled former member" of a Southern California Amateur Radio club has been ordered by a civil court to stay off the organization's repeaters or face the possibility of going to jail. The action against Tim W. Seawolf, KJ5KE, of Quail Valley, California, took place on February 8, 1994 and is precedent-setting in that the matter was handled as a civil action that places KJ5KE under a three-year restraining order to keep his distance from all frequencies used by the Claremont Amateur Repeater Association.

CLARA attorney Sidney Radus, N60MS, told the Amateur Radio Newslines that the club filed a civil harassment action against Seawolf after the former member began harassing a number of people on the system. He was asked to cease this type of operation but refused to cooperate. As a result, there were several attempts made last summer to obtain a restraining order against him. One club member was successful but the terminology used in that particular court order made it almost impossible to enforce.

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Thank you for your assistance.

In January, the radio club decided to file yet another measure in the form of a civil harassment action against KJ5KE. Such an action is only possible where the alleged intimidation has produced emotional distress. As such, it is a harder case to prove, but if sanctioned by the judge it becomes a far more restrictive type of ruling than a simple restraining order. Under California law, the violation of a Civil Harassment Order is a misdemeanor punishable by up to a \$ 1,000 fine and six months in county jail each time it is disobeyed.

Using this as its legal framework, the CLARA organization had Seawolf served with the initial order and a date was set for a hearing to determine whether to make the petition permanent. The hearing was held in Department 609 of the Superior Court in and for Orange County before Judge Daniel J. Didier. It turned out that Judge Didier is an Advanced Class license holder with the call sign KD6FN. On learning that he had been assigned the case, Judge Didier noted to the court record on three occasions before the hearing began that he was a radio Amateur, was aware that the CLARA repeater existed and had listened to it on several occasions. Each time, defendant Seawolf, who was not represented by counsel, declined the judge's offer to withdraw from the case.

Evidence introduced by the radio club included the testimony of club President Gary Crist, KI6FG; the repeater call sign holder Roy Lothringer, N6SLD; and club



secretary Jackie Cadotte, KD6FRY, that each had suffered emotional distress as the result of what Seawolf had allegedly said to them and others over the repeater along with recordings of KJ5KE's on-air verbiage. Also entered into evidence was a letter from John B. Johnston, W3BE, Chief of the FCC's Private Radio Branch, that said that there is an unqualified right for the owners of any repeater system to prohibit anyone from using it.

In his defense, Seawolf testified that he had the Constitutional right to say what he wanted at anytime and to anyone using any medium he chose and therefore the entire proceeding was without merit. He attempted to call several witnesses to try to validate this point but the court found that none could be considered an "expert witnesses" in the legal sense and each was summarily disqualified.

After a short deliberation, Judge Didier decided to issue the restraining order against Seawolf. He barred him from using any of the CLARA repeaters, instructed him to not interfere in any way with any of the repeaters' input or output frequencies, and restrained him from annoying, harassing or molesting any member of the Claremont Amateur Repeater Association. KJ5KE was also assessed \$2,100 in attorney fees, \$182 in legal filing fees and the \$175 cost of service of the petition. Judge Didier then brought the matter of Seawolf's on-the-air behavior into the official court record. He ordered the attorney for the plaintiffs to turn over a copy of the hearing transcript along with the audio tapes used in evidence to Los Angeles FCC Engineer-in-Charge James Zoulek. He also condemned Seawolf's on-the-air activities, describing them as among the most despicable things he had ever heard on Amateur Radio. Judge Didier also told KJ5KE that if it were within his power to do so, he would immediately revoke Seawolf's Amateur Radio license.

According to attorney Radus, the court decision in favor of the CLARA organization is a first step in returning the club's repeaters to use by its members. He noted that others hams who supported Seawolf's activities may also be subject to

actions for civil trespass to private property or criminal complaints for "theft of use, a misdemeanor." Radus did say that at least a dozen notices are being sent to hams throughout the area who are accused of being the sources of harassment to the CLARA repeaters and the organization's members.

Attorney Radus used this regulatory interpretation as evidence at a restraining order hearing against a former member of the Claremont Amateur Repeater Association. It was accepted as evidential material by an Orange County, California Superior Court which sided with the radio club and granted its restraining petition that banned Tim W. Seawolf, KJ5KE, from operating on any CLARA repeater for the next three years.

But looked at on a much broader scale, this latest interpretation of Section 97.205(e) says that no operator acquires any additional rights to use a repeater system just because it is listed as "open." A repeater licensee--or control operator by extension--can operate a system as "open," yet deny permission for anyone he chooses to use it.

In essence, this interpretation of Section 97.205(e) by Johnston means that any ham who enjoys the use of a repeater, regardless if it is "open ... .. closed," "coordinated" or "uncoordinated," does so under the authority of the repeater station licensee. Further, a repeater license holder has the authority to ban any radio Amateur from operating through his relay device, and that those so banned have no regulatory recourse. This is truly a precedent-setting interpretation by the FCC and one that may forever change the way in which repeaters are operated. This important information appeared in Westlink Report, published by Burt Hicks, WB6MQV.

Pulled from America Online 26 March 1995 @ 2200 CST.

Transmitted: 95-02-23 19:38:54 EST

## Fun With Keys and Code

by Dave Ingram, K4TWJ

The world of radio telegraphy and Morse code communications is as old as Amateur Radio itself. Collecting and using various Amateur Radio products adds a fascinating new dimension to our great hobby. Collecting telegraph keys is the subject of this article. You need not be a CW devotee, or even know Morse Code, to enjoy collecting these always popular Amateur Radio accessories.

However, if you feel inclined to "let your fingers do the talking," with one or more favorite keys, the real pleasure of key collecting returns tenfold!

### Operating CW

The joy of operating CW extends far beyond simple fun with basic-style equipment. CW reflects a proud skill acquired by its user and is a classic Amateur Radio tradition. Working DX is also easier on CW. A large number of foreign Amateurs prefer operating CW while a comparatively lower percentage of United States Amateurs work CW. Additionally, your rig delivers its full output power on each Morse letter transmitted rather than just on SSB voice peaks. The use of Morse code and "Q" signals also sidesteps many language barriers so you can communicate with Amateurs in Russia, Germany, Japan, India, etc., even if you do not speak their language. Start operating CW, and you, too, will agree it is a terrific mode with a real communications advantage!

### Collecting Telegraph Keys

Why is key collecting so popular among Amateurs? It is a natural pursuit an individual can enjoy regardless of Amateur Radio license class or technical background. It is less expensive than collecting classic autos or rare paintings and keys are wonderful little pieces of history you can hold in your hand. Whether you work CW or not, every "ham

shack" needs at least one key to reflect our proud heritage and link with past eras!

Generally speaking, there are three categories of keys: the traditional hand or "pump" key, the semi-automatic key or mechanical "bug", and the modern-style paddle used with an electronic keyer. Hand keys and paddles are readily available in a glamorous variety of styles today. The "bug" was the ultimate reflection of a Morse "pro." In the last decade, keyers have all but replaced bugs. Only two models remain in production at this time.

One nice key is a new "kit key" available today from G4ZPY in England. The key comes 80-percent completed, so assembly is a 15-minute job. The key's mechanism is highly polished brass with fine race bearings at the fulcrum and precision thread screws for adjustments. It sits on a beautiful stained wood base measuring 8 inches long by 3 inches wide. The key has a good "feel" and it fills your shack with romantic "click clack" sounds during use, similar to the telegraph systems you have seen in old-time western movies.

Another nice item is the British Army keys, often rescued from WWII tanks. It is 80 percent plastic and sports a mushroom-type knob. This key is exceptionally well balanced and handles great. Notice the binding posts for these two British keys are mounted on the left, whereas posts are usually on the right or rear of American keys.

One of my favorite items is the portable QRP type. It is a Japanese "spy key" measuring only two inches long. Mine was a gift from fellow collector and CW aficionado, JN1GAD, and looks like a miniature version of the ever popular J-38 key. There are tiny adjustment screws complete with locknuts on the key's front, rear, and sides. A knob that looks like a Junior Mint complements this key. This style knob is quite popular in keys from the Far East. Miniatures are great fun to use on-the-air, but finding even one is a super challenge.

Looking like a ballpoint pen is my own 350mw QRP transmitter! All circuitry,

including a 12 volt battery and crystal, are inside the pen case. The push button on top is used to key the transmitter, and an antenna connection is on the pen's bottom. Believe it or not, this pen rig has been used to contact over four countries! Details of this tiny transmitter are included in my upcoming book, *How To Get Started In QRP*, published by The National Amateur Radio Association.

There are three classic semi-automatic bugs that I use on-the-air almost daily. The first is a Speed-X Model 510 made by the Les Logan Company in San Francisco during the 1940s. Another is also a Speed-X, but it sports the famous E. F. Johnson Company nameplate. And a third is another Speed-X delight that really produces beautiful sounding Morse when handled properly.

At this point, I must emphasize that a bug is not the perfect item for the CW newcomer. That is because you must manually make dashes and space characters by hand. Additionally, an incorrectly adjusted bug sends choppy dots. Newcomers are urged to stick to hand keys or paddles used in conjunction with an electronic keyer.

There are two unique versions of paddles used with modern electronic keyers. The first is a single lever paddle made (and available today) by G4ZPY. It has beautiful hand-polished brass parts mounted on a black glazed steel base. This key is extremely fine in workmanship with clearances of only one to three-thousandths of an inch. As a result, it is a mechanical "touch key." In other words, you simply touch either side to produce dots and dashes and you cannot even feel the arm move. The touch of "magic" in using this paddle is beyond description. It almost feels like a dual lever paddle or like it is sensing your fingers' movements. I have yet to find any single lever paddle even remotely close to this gem. It is incredible!

The second is the Schurr "Profi" model made in Germany and sold by DL7NS, Klaus Gramowski, Kaiserin-Augusta-Allee 91, D-1000 Berlin 10, Germany. Workmanship of this handmade paddle is

also fantastic. Notice this item uses dual levers: the left one for dots and the right one for dashes. The upper parts are glazed copper with "zapperrung" finish. They are mounted on a steel and gray-painted base.

Now let's talk about the difference in paddles. Some CW operators prefer single lever paddles because they will only move in one direction at a time. This makes sending CW easier for someone with "cumbersome fingers." Dual lever paddles, however, have the advantage of iambic action. When combined with a modern iambic keyer, many letters and words can be made by squeezing both levers simultaneously. As an example, a "C" is made by squeezing both levers with the right (dash) lever leading. Squeezing both levers with the left side leading automatically produces a period. A variety of additional paddle styles are readily available today.

Every key collection is different and originally begins with only two or three keys an owner found appealing. Some collections are rather diverse and consist of 100 to 200 (or more!) keys of different types. Some collectors specialize in only keys made in the United States by a particular company. Some consist of only a dozen genuine classics. Other collections consist of historical pump keys, bugs only, and some contain only keys purchased new today. In all cases, the deciding factor is what one likes or appreciates.

This discussion of keys and CW telegraphy could continue indefinitely. If you are interested in reading further on the subject, refer to my book, *Keys-Keys-Keys*.

Indeed, it is a fascinating pursuit guaranteed to captivate one's interest for a full lifetime! We trust you found our views interesting and we have inspired your interest in operating CW. Give it a good shot; you will find Morse code and CW operating a gas!

73, Dave, K4TWJ

Pulled from America Online 26 March 1995 @ 2200 CST

Transmitted: 95-02-16 13:57:13 EST

## A LOOK INTO OUR PAST: COLLECTOR AND EMITTER, APRIL 1977

*I thought I would share with you an article that is a sample of the different types of articles printed in past C&E's. This one caught my interest because it happened in my home town. This article also has two examples of how a few hams handled an illegal station.*

### TWO METER OPERATION IN SAN ANTONIO, TEXAS

During the period 17 Thru 21 October 1976, I was in San Antonio, Texas on temporary duty. I had a very interesting week; talked to Roy Albright on the 34/94 repeater. Roy directed us from the Air Terminal to the motel. I also talked to a couple of other fellows who had recently spent some time in Oklahoma City. One of them was a young fellow that graduated from the college at Bethany. I can't remember his call now, but he informed me that he had heard WA5JGU earlier in the day calling Roy (Charlie's everywhere).

One afternoon after returning from Kelly A.F.B., I glanced out my sliding patio doors from the third floor of the Holiday Inn and saw a young couple in the process of liberating a CB type Radio from a Volkswagen. I slid the glass door open and yelled at them to get out of "my" car. They made tracks - and without the CB radio. I located the owner of the car, and he retreated to his room with the radio in tow.

I flipped the talkie on that same evening, after the Reds had disposed of the Yankees, and was quite surprised to hear CB lingo flowing fluently on the 34/94 repeater. After listening carefully, I detected that one of the operators was apparently an amateur and was leading the other station into conversation.

The amateur was doing a beautiful job in keeping the illegal station on the air (the CB type's identity was Tom Cat). He was able to get him to key down with dead carriers several times in the pretense of pointing his beam, and giving him a good signal report. This went on for approximately one hour and forty-five minutes with some of the corniest lingo you could imagine. Then after awhile: "Hey Tom Cat, where did you go" - then another voice. This is W5\_\_\_\_, old Tom Cat is in police custody, and the radio recovered, operation complete."

I heard later that one of the reasons it took so long, was trouble convincing the police to move after the culprit had been located. I talked with some of the local amateurs the following day and offered my congratulations.

They have still another unlicensed operation, a nice, pleasant, sweet voice, whom they refer to as "Sweet Thing". She doesn't harass them, but just occasionally breaks in with a comment and then she is silent; consequently they have not had any success in locating her. Her lone comment the night of the referenced action was "but you can't find me". It sounds as if they have adopted her as a mascot, so to speak. Maybe if they ever find her they can convince her to get a license and join the amateur ranks.

One final comment, - the Hemisfair Tower surely makes a fine location for operation with a talkie.

Todd, WA5VAQ

## BILL VOTED DOWN

On Tuesday, the 21st of March 1995, Senate Bill 113 was rejected in the State House Energy, Environment and Natural Resources Committee. Many hams have put in countless hours, research and heart into this bill, all so that your club and mine could reap the rewards. Many states already have this bill as law yet Oklahoma has refused it.

To refresh memories, Senate Bill 113 was to change the current local phone carriers rating of phone lines used in club repeaters from "BUSINESS" to "RESIDENTIAL." Basically it meant roughly a 2/3's saving on a club's phone bill over what they are paying now. Just think of what your club could have done with that extra money....

So, why did it fail? That is not an easy question to answer. From a very reliable source, it seems that the local phone carrier brought in Professional Lobbyists to stop this bill. They claim that clubs sometimes meet at business locations for their activities and therefore commercial rates are appropriate. (RIGHT !!!!) I guess if we hams are not "in residence," we must be part of any business we might walk into or plan to eat a meal. Hum, I could have fun with that little claim by the Phone company lobbyists. Just think, according to their own claims, an Amateur Radio Operator "can no longer be considered or referred to as a customer but is (as accepted by those on the House EE&NE Committee) a business associate in any business that more than one ham goes to or meet at." Anyway...

Is this a dead issue? Not by a long shot. Right now, those that have worked so hard on this bill are not giving up. They plan to take a few deep breathes and then regroup and try again. This time they will need your help and support. I will let you know the details as soon as I do. Meanwhile, brush up on the FCC Regs. concerning amateur radio and repeaters.

## April 1 to May 1, 1995 Schedule of Events:

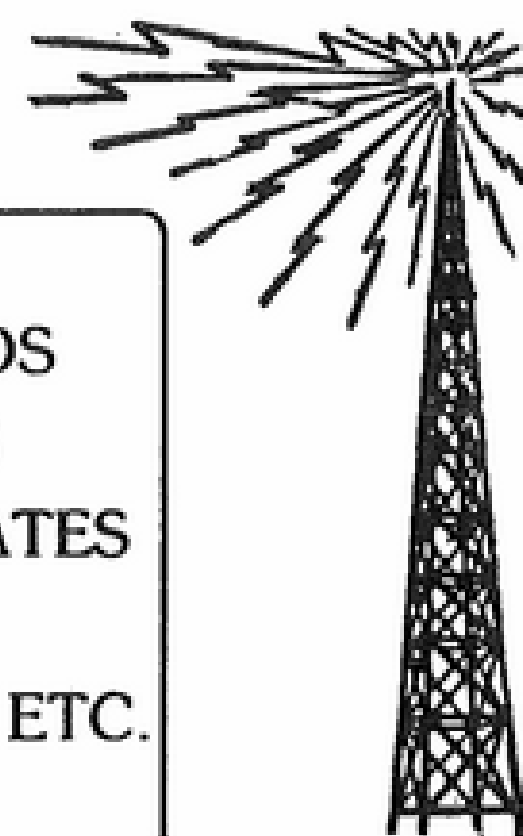
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1 April Fool's Day
2 2:00 p.m. MORI VE Exams 2:15 p.m. Great Plains	3	4 7:00 p.m. MORI	5	6 7:00p.m. Aeronautical Center 7:30 p.m. CARS	7	8 9:30 a.m. SCARS 10:00 a.m. SCARS VE Exams
9 2:30 p.m. Wheatstraw	10	11	12	13	14	15 9:00 a.m. VE Exams (RSC) 11:00 a.m. VHF Club
16	17 6:00 p.m. CORA VE Exams	18 7:30 p.m. OCAPA	19	20	21 6:30 p.m. EARS Dinner  C&E Deadline	22
23	24	25 7:00 p.m. Shawnee VE Exams 7:30 p.m. CORA	26	27	28	29



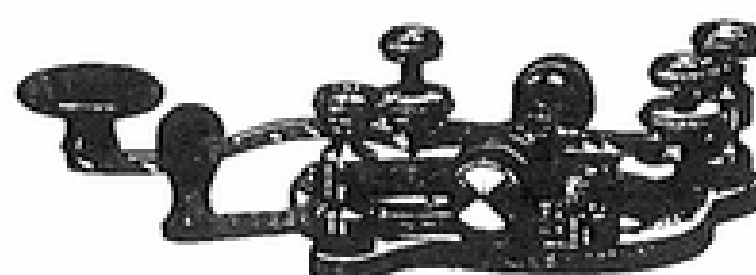
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