

Collector & Emitter

A CORA Publication

April 1997

Volume 23, Number 4

Issue 266

50¢

Postmaster See Page 2
For Postal Information

Periodical Mail

The Title: HAMS

Leonard Hanstein Memorial Scholarship

Internet Morse Code Requirement?



April, 1946

QCWA Scholarships Available

Collector & Emitter**Harold C. Miller, KB1ZQ****Editor****Linda G. Miller, N1LPN****Circulation Manager****Central Oklahoma Radio
Amateurs, Inc.****President: Harold Miller, KB1ZQ****V Pres.: Brad Nelson, KJ0W****Secretary: Forrest Rush, N5VWF****Treasurer: Perry Jenkins, 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 let us know. Below is a sample label:

97/12

JOHN E. DOE, KA5ABC

1234 SW 56th STREET

RADIOVILLE, OK 74321-9876

The "97/12" means the year/month C&E subscription expires.

Dear Secretary / Treasurer:

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

April 1997**VOL. 23, No 4, Issue 266****Collector and Emitter
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1. Aeronautical Center ARC Meets: 1930L, 1st Thursday, FAA, S. MacArthur, OKC Pres.: Bob Kremer, WA9FCT 381-3182 VP: Chuck Bryant, KB5ZVZ 737-0423 Sec/Tr.: Brad Nelson, KJ0W 793-9470 Editor:	11. Edmond Amateur Radio Society Meets: Odd Months, 1400L, 3rd Sunday, St. John's the Baptist, Even Months, Dinner, 3rd Friday Pres.: Jay Lytle KB5VDH 722-0981 VP: Joel Beasley, KB5FCF 359-6508 Sec: Sharon Thompson, KM5GV 844-6245 Treas.: J. B. Bogner, K0JF 341-8735 Editor: Joel Beasley, KB5FCF 359-6508
2. Oklahoma Central VHF ARC Meets: 1730L, 3d Thursday, Neighbor's Country Kitchen, 33rd & N Classen, Oklahoma City Pres.: Jackelyn Olsen, KA5ENU 842-2305 VP: Ken Eason, KF5JS 789-2200 Sec: John Dome, KB5WVE 842-3493 Treas.: Jim Speck, W5AI Editor:	14. Cimmaron Amateur Radio Assn. 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
4. Oklahoma City Autopatch Assn. Meets: 1930L, 3rd Tuesday, Salvation Army Bldg NW 50th and Penn, OKC (Back Door) Pres.: John Brassfield, N5SAM 685-8070 VP: Loyd Hargrove, AB5I 391-5723 Sec: Sam Binkley, KL7V 942-2600 Treas.: Bob Kremer, WA9FCT 381-3182 E-mail: ocapa@juno.com	15. South Canadian ARS Meets: 0930L, 2nd Saturday, Red Cross Bldg North OU Campus, Norman Pres.: Michael McEwen, KC5GJL 329-2615 VP: Don Byer, KJ5KB 321-1673 Sec: Jeff Wyke, KE5EB 329-6762 Treas.: Sara Byer, KC5ABA 321-1673
6. Altus Area Amateur Radio Assn. Meets: 1900L 2nd Thursday, Southwest Technology Center, Altus, OK Pres.: George Mayteyko, AA1IJ VP: John Mealer, AB5WQ 563-9252 Sec: Lil Town, KC5CNA 477-4027 Treas.: Travis Houska, KC5SRK 679-3816 Editor: Dave Locke, KC5SII	17. Ada Amateur Radio Club Meets: 1000L, 1st Saturday, Basement Ada City Hall 231 South Townsend, Ada, OK Pres.: Roy Throne, KB5STV 436-1019 VP: Dwight Myers, N0RIW 436-4755 Sec: John Burchett, KC5EYC 332-1063 Treas.: O. J. Collins, KC5DYX 332-7878
8. Choctaw Amateur Radio Club Meets: 1900L 3rd Monday, Eastern Oklahoma Co. Vo Tech, 4601 N. Choctaw Rd, Choctaw, OK Pres.: Mike McFarland, N5WNT 799-0612 VP: Duane Angles, KA5WRG 670-6163 Sec: Marie Harris, KC5HKB 390-8851 Treas.: Bill Tarkington, KC5ICR 390-8751 Editor:	18. Lawton Fort Sill ARC Meets: 1900L 1st Tuesday, Great Plains Area Vo-Tech room 301, Worley Center. Pres.: Jim Arterberry, N5UJB 353-5722 VP: Kevin Johnson, N5WTS 357-2203 Sec/Tr.: Paul Goulet, KC5CYY 250-4247 E-mail: w5ks@rli.net
9. Wheatstraw Amateur Radio Club Meets: 1430L, 2nd Sunday, Location Varies Pres.: Johnny Fish, K5GBN 893-2227 VP: Ray Barnes, AB5Z 274-3334 Sec/Tr.: Joe Garland, WA5FLT 893-2660 Editor: Ralph Wilder, WA5PFK 623-5421	<p style="text-align: center;">CORA is Growing!! Room For Another Club's Officers Here. Let US Know of any Clubs wanting Information On Joining CORA.</p>
10. Oklahoma DX Association Meets: Hamfests and as announced in C&E. Pres.: Jim Hood, WV5S 405-732-6131 VP: Ross Hunt, K5RH 918-234-5050 VP: Craig Boyer, AH9B 405-771-5929 Sec/Tr.: Mark Byard, N5OGP 405-762-1966 Editor: Mark Byard, N5OGP 405-762-1966	Central Oklahoma Radio Amateurs Meets: 1930L, 4th Tuesday, Salvation Army Bldg NW 50th and Penn, OKC (BackDoor) Pres.: Harold Miller, KB1ZQ 672-7735 VP: Brad Nelson, KJ0W 793-9470 Sec: Forrest Rush, N5VWF 842-8486 Treas.: Perry Jenkins, KB5TOT 354-5075 Editor: Harold Miller, KB1ZQ 672-7735 E-mail: n1lpn@aol.com n1lpn@swbell.net

CONTENTS

Central Oklahoma Radio Amateurs, Inc.	3
Lawton / Ft Sill Amateur Radio Club	5
Oklahoma DX Association	7
The Leonard Hanstein Memorial Scholarship	11
Oklahoma City Autopatch Association	14
Edmond Amateur Radio Society	16
Central Oklahoma VHF Club	18
Wheatstraw Amateur Radio Club	18
South Canadian Amateur Radio Society	20
A.R.R.L. Bulletins	22
Choctaw Amateur Radio Club	23

Central Oklahoma Radio Amateurs, Inc.

Minutes of the CORA meeting for March 25th, 1997.

The CORA meeting was opened by the president of CORA, Hal, KB1ZQ. Four clubs were represented (ACARC, EARS, OCAPA, & VHF Club).

The secretary's minutes were accepted with correction. April 4, 1974 is the date of incorporation of CORA; the first meeting was in 1973.

The treasurer's minutes were accepted. The accountant for CORA has the paperwork and is preparing it for us.

Interference Committee.

The Vice President of CORA is heading up the interference committee. It's mission will be to locate and handle interference into repeaters of member clubs. It may also at its discretion handle RFI complaints. Anyone interested in the committee should contact Brad, KJ0W. His e-mail address is KJ0W@Juno.com.

President's report.

All is going well. ARRL has given its sanction to Ham Holiday 1997. We have also applied to host the state convention for 1998, as CORA will be 25 years old.

C&E Report.

The editor reported that the secretaries are getting their minutes in ahead of the deadline, and are making his job much easier. The Amateur Radio News Service held a competition for the various amateur newsletters and judged the C&E **Excellent**. This is the second year in a row that the C&E has been judged excellent by the ARNS, which is a compliment to everyone involved with writing for the C&E. The editor still needs to be kept posted on upcoming hamfests, so if you know of one, give Hal or Linda a call.

Insurance. The insurance has been paid for this year.

Ham Holiday 1997.

Dealers. The dealer invitations have been mailed out. We have received 3 replies, with WB0W reserving 10 tables and sending us a check for them.

ARRL. As mentioned earlier, the ARRL has given us their sanction for Ham Holiday 1997 and will have a booth at the hamfest manned by the QCWA. We have also applied to host the Oklahoma State Amateur Convention for 1998.

VE Testing. Jim Copeland, NW0K, will be handling the VE testing at Ham Holiday.

Programs.

Mac, K2GKK/5 - Advanced Packet
Tom, WA9AFM - AMSAT
Dee, WD5FHR - Antennas
Forrest, N5VWF - Bingo
Jim, K5PER - ARES
Harry, KE6HR - Air Force MARS

These are the confirmed programs. If you or someone you know would like to do a program or have an idea for one, share it with us at the next CORA meeting.

Oklahoma Repeater Society Inc. On Sunday, April 6th, 1997, at 2:00pm in the afternoon, in the little town of Dougherty, ORSI will be holding its meeting. All interested persons who are trustees of repeaters, who help maintain repeaters, or who use repeaters are urged to attend. Dougherty can be reached by taking I-35 south to the Davis exit; following State Highway 7 until you reach State Highway 110; follow 110 south about 10 miles until you get to Dougherty. Be there!

The next CORA meeting will be at Salvation Army Divisional Headquarters at NW 50th and N. Penn at 7:30 in the evening of April 22th, 1997. Hope to see you there.

Respectfully presented,

Forrest Rush, N5VWF
CORA Secretary

CORA VE SESSIONS
March 13 & 17, 1997

The CORA sponsored VE team had two sessions for the month of March 1997. The first session was held at the EARS club station to accommodate the EARS general class and others willing to partake of the Edmond session. Wide circulation of this event occurred on various packet bulletin boards, in the February *Collector and Emitter*, announcements at club meetings, nets and word-of-mouth. The regularly scheduled March session at the Salvation Army was held on Monday, March 17th. These two sessions allowed plenty of applicants the opportunity to enter or upgrade their Amateur Radio license. What a flurry of activity produced by these VE sessions! Quite a sight to see with all the last minute cramming, words-of-encouragement, expressions of anxiety and then in a little bit the sights and sounds of victory and RELIEF! All that from family members: just kidding! The two March CORA VE session results are as follows:

Test Elements Passed	- 24
Total Applicants-	-17
Applicants Upgrading-	-10

Individuals passing indicated elements:

Ronald Soliday-1B, ****
John Kuper- 3B
James Lytle - 3B
David Hartman- 1A, 3B **
Johnnie Ham- 3B
Stephen Kuper-3B
Curtis Foote- 1B ***
Carl Shortt III - 1B ***
James Ryncarson- 3B
Jeffrey Krehbiel- 3B, 1B, 4A ****
Judy Johnson- 1B, 3B ***
Greg Spires- 2A, 3A *
Charles Alden II- 1B **
Ron Chooley- 2, 3A *
Stan Stafford- 3A, 3B ***
Amy Short- 2
Richard Hendrix-3B

1A- 5 wpm code, 1B-13 wpm code, 1C- 20 wpm
2-Novice Theory
3A- Technician Theory
3B-General Theory
4A- Advanced Theory
4B- Extra Theory
Upgraded to: * Technician, ** Tech Plus, *** General, **** Advanced,

We salute the CORA team for working hard times two to administer two sessions in the month of March. They gave of their own time to plan, administer and complete all the needed paperwork so you get an opportunity to pass those tests and ascend the ladder of Amateur Radio licensing. At your next opportunity shake their hand and say thanks for a job well done!

We now look at the April session of CORA sponsored VE testing which will be on Monday April 21st, 6:00 PM at the Salvation Army Divisional Headquarters located at Penn and Northwest Expressway in OKC. Remember to enter the building on the southwest corner.

Prepare with a plan and with effort. See ya there!

73 de John Thomason, WB5SYT

From the President;

Hello again, there seems to be a lot of activity starting to build in Oklahoma in amateur radio. The solar cycle seems to be starting to climb into a new wave of propagation. Hamfests are starting to come alive as is usual in the spring. And of course the need to warm up our weather awareness and get ready for severe weather for the up coming year.

Listening to the local 2 meter repeaters I have noticed a lot of discussion on the packet cluster and the different spotting going on in the HF bands. Seems as if there is more activity going on lately and more folks are getting prepared for the 4 up coming solar peak. Upgrades and all are on the rise getting ready to get on the bands. Now is the time to start preparing for the next phase of HF band openings.

Hamfests are popping up all over the country, with the next one being Lawton on April 4th & 5th. Our own Ham Holiday '97 is progressing on toward its date. Lots of items are still on the agenda and any help you folks can give will be greatly appreciated.

As we all know from watching the national news the severe weather season has started. Arkadelphia, AR was hit with

multiple tornadoes and so the local hams and others from Oklahoma and surrounding states went to work providing disaster assistance and relief. We here in Oklahoma had severe weather the other night and luckily only had high winds and thunderstorms.

We need to get our weather spotting skills working and have your emergency kits ready. Batteries charged, accessories packed and look over the local area to familiarize yourself with all of the roads and possible low water crossings. You don't want to have to learn them while dodging severe weather.

73, Hal, KB1ZQ

ORSI --- WARNING

There is an organization in Oklahoma that is responsible for the coordination of all repeaters in the state. That organization is Oklahoma Repeater Society, Inc. The group was formed in the 70's as a group of volunteers, in a gentleman's agreement, to establish repeater frequencies. That group, last October was taken over, in large part, by one club in Oklahoma City, MORI.

Under the new "leadership", ORSI has removed themselves from the national organization, abolished the 9 member board of directors, and made plans of charging \$10 for renewal of your coordinated pair. They also moved the major meeting of the year from the Green Country Hamfest in Tulsa to Doughtery, OK on Sunday, April 6, 1997 at 2pm. The meeting will be at the Senior Center. We're not sure where the Senior Center is, but the town is so small, it isn't listed in the Rand McNally road atlas, so it shouldn't be hard to find.

Doughtery is S. E. of Davis, Oklahoma on highway 110. There is even a repeater in town on 145.230 - offset with a 114.8 tone (according to the repeater directory).

If you have any questions, bring them to the meeting.

I can be contacted at OCAPA@juno.com.

John Brassfield N5SAM
OCAPA President

QCWA Scholarships Available

QCWA has 15 Scholarship, ranging from \$500-to-\$1000 this year. The student must be pursuing or planning to pursue courses leading to academic degree at an accredited college or university. They also must be a licensed amateur. Applicant must be recommended by a QCWA Member. They have to write to FAR Scholarships, 6903 Rhode Island Avenue, College Park, MD 20740, by letter or QSL Card before the 30th of April 97.

Please put this in the *C&E* and past it on to other people if you want to.

73, Norman W5FLO
S/T Chapter 63 QCWA

Chit-Chat

by Linda Miller, N1LPN

Spring is here. Trees are once more slowly waking up, spreading its' leaves toward the warmth of the sun. Flowers are blooming, bringing color to chase away the grayness of winter. As I lift my face up to be kissed by the sunlight, I know that once more the promise of rebirth is here for all to see and experience.

The breeze which is blowing in through the window, carries the sweet song of the birds sitting on our backyard fence. Little One sits behind a planter on the table, watching the birds and wishing he could get a closer look at these feathered beings. Neighborhood children are playing basketball in our driveway and enjoying the new net I just put up. Hal is working on the garden and Mike is still filling out scholarship applications.

I think I will go outside and enjoy the warmth and sunshine. I must not forget to take Little One too, don't worry about the birds either. He is not allowed outside without his leash. People do give me funny looks when they see an 18 pound cat on a leash. He is only 10 months old and still growing.

Until next month..



Lawton / Fort Sill Amateur Radio Club

Words From the President:

During the month of March the Lawton Ft. Sill Amateur Radio Club (LFSARC) has been preparing for the 51st Annual Hamfest. We had a real good training presentation on Storm Spotting, provided by EOC Bob Simms, W5KCB and KSWO's Andy Wallace, KC5GHH. The Training dealt with proper procedures while participating in our local Weather nets. Thanks to Hal, KB1ZQ and Linda, N1LPN for attending the March meeting and providing us with the C&E presentation.

We have again been asked to provide communications for Bike Race's in April and May. This will give us just another chance to demonstrate how positive an activity amateur radio is. W5KCB works hard to find these activities and we do appreciate the experience we gain from these events. The Mobile Communication Center (trailer for short) will be on display at the Great Plains Coliseum on April 22. Technical Chairman Paul Wardell, N5PYD and Sec/Treas. Paul Goulet, KC5CYY installed a new link receiver in Frederick that is working well. W5KS now has a Digipeter on 145.03 (Thanks to a donation by NL7CO). Currently it is operating as a digi but it may someday be a NODE off of the Duncan system.

My Thanks to Dr. Bob Morford, KA5YED, Hamfest Chairman and all those involved with putting on a great 51st Annual Hamfest/Computer Fair. I hope a great time was had by all. Congratulations to all new Amateurs in the area and WELCOME to the hobby.

73..de..Jim, N5UJB
President LFSARC

And the Secretary:

If you have something that NEEDS to be done, ask a busy person! Renewals and new memberships are going great! On par with last year or better. Thanks everyone for your continued support.

I recently purchased some software that makes putting information onto the Internet so much easier. In fact, its shameful at just how easy that can be done. You should start seeing the minutes and the Newsletter return to being available on the Internet. We have a lot of flexibility here. The folks that run the server and all the hi-tech gizmos understand our mission and purpose and are proud of their association with us. They tend not to notice the amount of storage space we use, currently about 20 megabytes of hard drive space and remember the club gets this service at no charge.

You should be able to find the complete Easter Pageant story complete with photos available on the Internet. The club roster is located there along with a (Comanche County) area roster. Please only book mark these locations, that information is only for emergency contact. DO NOT create a web page with a link to either of those pages.

There is some discussion about how to move from the clubs current Universal Reference Locator (URL) www.rli.net/np/ham/ham.html to www.w5ks.org or even if we want to. There are two schools of thought here.

1. It gives us (the club) our own identity on the Internet rather than www.somebodyelse.com/somebodyelse/then.us.html.
2. It is easier to find and get to the club page.

For example, www.myname.org. The cost to the club will be \$100 for the first two years and \$50.00 per year after

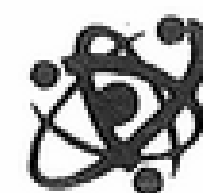
that. There will be NO name setup cost (\$100.00 for the first year and \$50.00 per year after that) and NO hosting charge, \$25.00 to \$50.00 per month. The company that is hosting our web page will simply register our DOMAIN NAME www.w5ks.org. They are charged \$100.00 and the club will "own" that we will own. Of course we could always move our page to another Internet Providers Site and pay them to do what we are getting at no cost. They do this because they like what we are doing for the community.

Frederick link.

There is information on the club webpage about the Frederick Link. There are times when you get the impression that the person you are talking with may be coming through the Frederick Link because of the unique courtesy tone. Even though they are in Lawton. I can't find the answer to that question in the documentation but you have to remember that there is a voting process going on. The current thought is that if you end your transmission, while the Frederick Link was being voted, then the unique Frederick Link tone is produced. So far the system is working well. The business traffic that was mixing with our frequency seems to have been filtered out. Frederick is key to our weather spotter system and we are glad to be associated with the Civil Defense team there. So, until next month get on out there and tell everyone that you're a HAM!!!

73 Paul, KC5CYY.

(405) 524-3770



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Amateur Radio Newsline

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MIDWEST STORM FOLLOW-UP

Meantime, ham radio operations in Ohio, Indiana and Tennessee are starting to wind down following severe weather that hit this area. As reported last week, hams throughout the three states provided much of the communications during and after the emergency.

Floods, tornadoes and severe weather have been on the minds of central Indiana hams this past few weeks. Record flooding in southern Indiana has kept many hams busy providing communications to flood stricken areas.

As we enter the 1997 Tornado Season, many Johnson County amateur radio operators, and local volunteer fire fighters honed their severe weather spotting skills by attending a National Weather Service Skywarn spotting class. The annual program was sponsored by the Mid State Amateur Radio Club of Franklin, Indiana.

This past week, dozens of hams participated in the annual tornado awareness drill. ARES Nets were activated across the state with reports flowing into the National Weather Service Office in Indianapolis.

And this past week tornadoes and donuts were the topic of discussion at the monthly Mid State Amateur Radio meeting in Franklin.

Mike Rosemark, KA9VMR, a meteorologist with the National Weather Service in Indianapolis talked about severe weather and reviewed data and pictures of the tornado that ripped across northern Johnson and southern Marion County last spring.

Hams from across the region pitched in to provide communications during this emergency.

(Via Amateur News Weekly)

FAR OFFERS SCHOLARSHIPS FOR HAMS

The Foundation for Amateur Radio says that it will once again be awarding up to 60 scholarships to licensed radio amateurs for the 1997 to 1998 academic year. Licensed hams are eligible to compete for these awards if they plan to pursue a full time course of study beyond high school and are enrolled or have been accepted at an accredited university, college or technical school. Awards range from \$500 to \$2500, with preference given in some cases to those pursuing certain courses of study or to residents of specific geographical areas.

Application forms and additional information are available by letter to:

FAR Scholarships
6903 Rhode Island Ave
College Park, Maryland
20740

(Via The Foundation for Amateur Radio)

DX

In DX, F5MNW, will be on from Reunion Island as FR F5MNW or TO5UFT to April 6th. Most of his activity will be on CW.

And OZ8RO, will once again reactivate Svalbard as JW5HE through March 31st. Reports say that Ray likes working the WARC bands. QSL via OZ8RO and include return postage. Ray requests that you use only international size envelopes.

(Via various DX sources)

THE TITLE: HAMS

Finally, there are all kinds of stories telling why hams are called hams. The problem is that nobody has ever proved or disproved any of them. Until now.

There are stories all over how we became known as hams. One story that recently came to my attention has to do with a college radio club back in the 1900's. Back in those days, everyone just kind of picked their own identifiers.

Three club members built their own station and identified it the their own names. That got to be a long and tedious process, so they shorted the callsign to just the first two letters of each last name. That got confused when similar sounding foreign commercial station call. So they shortened it again to just the first letters of their last names.

You guessed it. Radio station HAM was born. In 1911, Congress was considering legislation to regulate wireless, as it was known then. One of the club members chose the complex regulation bill as a project for a college thesis. The instructor was so impressed, he insisted a copy be sent to a committee member in Washington. Before it was all over, the writer of the thesis was testifying before Congress about the station, and about if how the wireless regulation bill was passed, the restrictions would shut the station down.

In the debates over the bill, the little station, HAM became a symbol for all the amateurs in the country, in their fight against the commercial interests at the time.

To quote the final lines of this story, printed in a December 1996 newsletter, "That's how it all started."

You will find the whole story in to Congressional Record. Nation wide publicity associated radio station HAM with amateurs.

From that day to this, and probably till the end of time, in radio, an amateur is a ham.

Is this really the way we became known as hams? Well its as good a story as any of the others.

(Via KA8OQF)



OKlahoma DX Association

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

Hello everyone! It sure was great seeing so many friends, old and new, at the Green Country Hamfest in Tulsa. Thanks for the big turnout at the OKDXA business meeting!

The membership made several decisions at our Tulsa meeting, some of which will be highlighted later in this column.

We also gained several new members at the hamfest. Welcome one and all!

The next OKDXA meeting will be at Ham Holiday (OKC Hamfest) in late July. This will be our annual election of officers. The new officers taking over on October 1, 1997. Be thinking about what office YOU would like to hold!

• OKDXA Banquet

The members present at the Green Country hamfest voted to hold the 1997 OKDXA DX Banquet in Oklahoma City again. The date will be November 8 and the location is tentatively the River Oaks Golf Club. This has been the site of the 1995 and 1996 banquets. We already have a speaking commitment from Bill Kennamer, K5FUV, ARRL DXCC Manager. Bill was scheduled for last year's banquet but was unable to attend due to a last-minute family health problem. If you have ideas on improving the banquet please send me a note. I would like to see some new, fun activities.

• Internet services

Those with Internet capability will note that I have changed my email address to k5tt@contesting.com. I like this address because it is easy to remember and I do not have to change it when I change Internet service providers. You see, this address is just an *alias* that forwards my email to whatever provider I am currently using. This service is provided by Bill Fisher, N4VJ, President of Akorn Access,

Inc. The cost is just \$1/month. If you would like to take advantage of this service you can contact Akorn Access on the World Wide Web at

<http://www.contesting.com>

or by telephone at 770.569.1550. You can reach Bill by email at n4vj@akorn.net.

I have also been taking advantage of a free email service called JUNO. JUNO provides absolutely free Internet email service with no hidden surprises. The only expense you might incur would be the long distance charges IF you were not in a city with a local access number. The JUNO service is paid by advertisers, however I have had no advertisements sent to me. I only see ads on the header of the mail page. This appears to be a fine service and JUNO says that they are currently servicing over 1.5 million subscribers! This free service will allow you to exchange email with any other person who has email capability. You can also take advantage of the many amateur radio oriented Internet reflectors and email servers listed in last month's OKDXA newsletter. JUNO is an email-only service. You cannot "surf" the World Wide Web. If you have questions feel free to contact me. If you are already on-line you can get JUNO's information from their WWW site

<http://www.juno.com>

or you can write JUNO at

JUNO
New Member Dept.
120 W. 45th St.
NYC, NY 10036

and ask for their free software package.

I have no personal or business ties with either Akorn Access or JUNO. I simply present them here for your information. It is very handy to have OKDXA members on-line and if you have been toying with the idea here are two opportunities.

If you DO establish an email account please forward your email address to our Sec/Treas., Mark Byard, N5OGP. Mark

will add you to the OKDXA Mail Group and advertise your address in the monthly newsletter. Mark's email address is n5ogp@pcok.com.

Please send me your thoughts on any aspect of our Association. Remember, I have a new email address: k5tt@contesting.com. 73, Jim K5TT

----- THE CONTEST -----

CONTINUUM

by Coy Day, N5OK

Nothing from Coy this month due to the early deadline.

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

• BS7H still go for late this month!

The big DX news this month is the promised reappearance of Scarborough Reef at the end of April. Many folks need BS7 because, like me, they didn't take the first operation seriously and they didn't try to work it! ha

Here are the texts from Bulletins 1 and 2 as received via the Internet DX Reflector from Tim Totten, N4GN. Bulletin 1 was in last month's NL but is repeated here for continuity.

• Bulletin 1 - BS7H 1997 DXpedition to Huang Yan Dao (Scarborough Reef), 16 February, 1997

The Chinese Radio Sports Association (CRSA) has today announced plans for the third DXpedition to Huang Yan Dao, located in the South China Sea. A multinational team, led by BZ1OK and JA1BK, will set sail from the southern Chinese port city of Guangzhou (a.k.a. Canton) on 28 April, and is expected to commence the one-week operation from Huang Yan Dao on Wednesday, 30 April, using the call sign BS7H.

The primary goal of this operation is to provide at least one QSO with as many individual DXers as possible. For this reason, the operators will concentrate on those regions having the most difficult propagation paths (e.g., the eastern half of the U. S.), giving DXers in every corner

of the globe the best possible chance to make it in the log.

A secondary goal will be to provide QSOs on additional bands and modes, including 160 through 6 meters, CW, SSB, satellite and RTTY, with as many as four stations simultaneously on the air. Operators for BS7H 1997 include BZ1OK, JA1BK (who will also serve as QSL manager), JA1RJU, N7NG, W6EU (ex-WA6AUE) and W6RGG. The complete operating team, as well as the list of transmit frequencies, will be announced once they have been finalized.

BS7H 1997 will also employ an 'operations support network' consisting of several stations throughout the world which will be in constant communication with the operating team from the time of their departure until their safe return. This will allow the world-wide DX community an opportunity to follow the progress of this international project and provide feedback to the operating team in near real time.

Thanks to the CRSA's tireless efforts to promote Amateur Radio within the People's Republic of China and to develop relationships with key agencies, this DXpedition enjoys strong support from the PRC government. In particular, the DXpedition team wishes to recognize the assistance of the Ocean Bureau and Sports Commission. (The Sports Commission is a ministry-level organization responsible for regulating Amateur Radio in the PRC.)

Finally, a very special thanks is due to the early sponsors of BS7H 1997--Yaesu, Cushcraft, the Northern California DX Foundation (NCDXF) and the International DX Association (INDEXA). YAESU has provided five transceivers and an amplifier. Five HF antennas have been supplied by Cushcraft. NCDXF and INDEXA have each contributed significant financial support to this operation. Individual contributions to BS7H 1997 will be gratefully accepted at the conclusion of the operation.

Further details will be announced on the DX reflector and the BS7H 1997 Home Page

(<http://www.iglou.com/n4gn/sr/>) as they become available. For additional information, please contact Tim Totten, N4GN (ex-KJ4VH), at e-mail n4gn@iglou.com or fax +1-502-239-7766.

** Bulletin 2 - 19 March, 1997*

Planning for the BS7H 1997 DXpedition to Huang Yan Dao (Scarborough Reef) is proceeding on schedule. Several team members, including Wang, BA1OK and Kan, JA1BK met recently in Guangzhou to finalize all details regarding the ship with Captain Wang Jian-xi and his crew. Arrangements were also made for generators, fuel, food and the numerous other supplies necessary to ensure the success of the operation.

The BS7H 1997 operating team has now been finalized:

Wang, BA1OK (Team Leader)
Gong, BA1DU
Chen, BA4RC
Wang, BD4RX
Jian, BD7JG
Zhang, BG7KW
Kan, JA1BK
Kazuo, JA1RJU
Wayne, N7NG
Jim, W6EU (ex-WA6AUE)
Bob, W6RGG

Brief "bios" on each of the operators will be added to the BS7H 1997 Home Page

<http://www.iglou.com/n4gn/sr/>

very soon. Recent additions to the Home Page include a map showing the location of Scarborough Reef and a sketch of the reef itself, indicating the rough position of each of the operating sites. Some interesting comments from Bob, NM7M regarding propagation between Scarborough Reef and the eastern half of the U.S. have also been added to the Home Page. Check it out!

For additional information, please contact Tim Totten, N4GN (ex-KJ4VH), at e-mail

n4gn@iglou.com or fax +1-502-239-7766.

** XZIN cards*

K7WX reports that the XZIN cards are printed and mailing should have started in early March.

** Recent 7O1A operation will not be accepted for DXCC credit*

7O1A: DXCC NEWS RELEASE --The following statement is dated 7 March, (source: <http://www.arrl.org/arrlletter/970307/#7o1a>):

"In the wake of questions raised about the status of the December 1996 7O1A operation from Aden, Yemen, the ARRL has been in touch with the Ministry of Communications in that country. The Ministry of Communications in Sana'a, capital of Yemen, has advised the ARRL DXCC Desk that, while it is aware of a document issued by its Aden office, the Ministry of Communications in Sana'a -- as the main body responsible for communications- never issued an official authorization for Amateur Radio. Therefore, the 7O1A operation cannot be accepted for DXCC credit". For more information, please contact Bill Kennamer, K5FUV at e-mail address bkennamer@arrl.org.

And here are all the details directly from Bill Kennamer as supplied in the Ohio Penn DX Bulletin, #296, 16 March 1997

To: DXAC
Fm: K8CH & K5FUV

You may be hearing questions about the recently announced decision of the DXCC Desk regarding 7O1A documentation. We are planning to provide some additional background on the situation in Yemen in the "How's DX" column of May QST. In the meantime, here's some background for you. Please feel free to share this with ARRL Members in your Division.

1. We have been following closely developments in Yemen for more than three years. Several groups have been working independently in efforts to obtain

a ham license. Most of them have been in contact with DXCC, informing us of their progress. All of them have sought avenues for licensing in the north and the south. All of them have been there several times. All of these sources agree that administration of Amateur Radio is under the Ministry of Communications (MoC) in Sana'a.

2. During the operation of 7O1A, we received contacts from several of these people, each independently. One of them called Sana'a several times, and told authorities about the operation after it was over. Sana'a authorities requested that further information be faxed to them, as they did not know of any such operation. The authorities went on to say that at the very least, they should have been advised, and should have approved any operation.

3. (We also received a letter from well respected European who was actually in the MoC offices in Sana'a at about the time of the operation. He also requested that we "check it out.")

4. Bill Kenamer faxed MoC in response to their request. Bill received the following reply:

=====

Dear Sir,

Thank you for your fax message of FEB.07, 1997 on the issue of the Amateur Radio License NO. 1 from our Aden office. Please note that the applicant had previously approached us in the Ministry of Communications-Sana'a and was advised that it is not possible at this time to issue any license for the Amateur Radio as the ministry is still under the preparation stage for the relevant regulatory documents & procedures for this activity.

Therefore the ministry of communication in the Republic of Yemen, as the main body responsible for this activity, till this moment had never issued an official authorization for the RADIO AMATEUR. We will let you know when we shall issue such licenses in due time and to whom the first license will be granted.

Please be advised and act accordingly.

Best Regards, Ministry of
Communications - Sana'a

5. An MoC official followed up this fax with a telephone call to be sure that Bill understood that the license should never have been issued, and that we should not consider it as an acceptable license.

6. The union of North Yemen and South Yemen (aka Aden) has not been entirely smooth. The administration of both halves has been united over a period of time. Some folks in the south have not been entirely happy that the administration now resides in Sana'a.

7. In 1990, the two countries merged. At that time all functions were duplicated, north and south. This is when the two previous licenses were issued -- all from Aden.

8. In 1991, the country began a 30-month program to merge all government functions. Since the conclusion of the civil war in 1994, the MoC is one agency.

9. How does 7O1A documentation compare with 7O1AA and 7O8AA documentation?

The 7O1AA and 7O8AA licenses are signed by the same person. However, this is not the signature on the 7O1A document.

10. Both 7O1AA and 7O8AA are issued on paperwork which is marked over or crossed out PDRY paperwork for the Ministry of Communications, Yemen Telecommunications Corporation. This is as we would expect, since one operation took place within days of the unification, and the other occurred within two months.

11. 7O8AA operators were told by the people that issued their license that their's was the first issued. In fact the 7O1AA license preceded it, and was signed by the same person.

12. The seal of the country is different on the later paperwork.

13. The letters of correspondence from Aden are on the stationary of the

"Ministry of Communications, Aden Branch". Stationary from the Sana'a office says, "Ministry of Communications, General Directorate of Telecommunications."

14. A letter to the DXCC from an Arab DXer, dated 19 January 1995, contains the following: "I was going to get my own personal callsign in the 7O land but the war [in 7O] started and after the end, everything was controlled by the north, and they do not allow the Ham operation." In his letter he states that two people are members of a ham club at the Ministry in Aden.

One of them appears to be the frequency manager of the MoC. It is strange they do not operate from a club station at MoC....

• DXCC Yearbooks

It has been reported to Ohio Penn DX Bulletin that the yearbook is still at the printers. NO date was mentioned on the distribution.

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

• Welcome new members

I am always pleased to be able to announce new members. This month we welcome the following new members and "re-ups".

Aaron, Bert K2BA - Harrah
Aaron, Carmen KA3TOP - Harrah
Buck, Ernie W5CDW - Tulsa
Calhoun, Charlie KB5ZUD - Tulsa
Cherry, Myron K4YA - Tahlequah
Geary, Art KK5QS - Van Buren, AR
Gilliland, Ed NA5B - Henryetta
Macdonald, Judy KA5BJS - OKC
Sitton, Sam W5CU - Edmond
Thomason, John WB5SYT - Edmond
Winkelman, Bruce AA5CO - Tulsa

Some of you might better recognize Sam Sitton's previous call, KV5X. Same has served as ARRL's West Gulf Director, Vice Director, and STM for the Oklahoma Section.

It is great to have Sam and all of the aforementioned new and "re-uped" members. Welcome!

The current OKDXA membership stands at 97!

• Congrats!

It is always my pleasure to congratulate our members on their accomplishments. This month we congratulate our Assistant Net Control, Robert Gillespie, WB5KJE, who has amassed his cards for the DXCC award. Way to go Robert! Now to get them sent off!

• Report on Green Country Hamfest

Thanks to the GC Hamfest committee for the free booth space and the good location at the recent Tulsa Hamfest!

We have almost 30 members and guests present at our afternoon business meeting that started at 1:10 pm. Here is a compilation of the business transacted.

OK QSO Party

Sponsorship of an Oklahoma QSO Party contest was discussed. Craig Boyer, AH9B, will not have time to champion the project in 1997. Charlie Calhoun, Jr., KB5ZUD, reported that the Tulsa ARC has shown some interest in co-sponsoring the event with the OKDXA.

1997 OKDXA Banquet

The membership voted to again hold the 1997 OKDXA Banquet in Oklahoma City ... primarily due to the central location and the possibility of again being able to use the River Oaks Golf Club facility. The date will be November 8.

Also related to the banquet was approval to earmark \$262 dollars in the treasury for the 1997 banquet. These funds were surplus proceeds from the 1996 banquet because Bill Kennamer could not attend

and Vince Thompson, K5VT, donated his travel expenses.

OKDXA Field Day

Several Tulsa area OKDXA members showed interest in operating the 1997 ARRL Field Day contest under the flag of the OKDXA. Bruce, K5PX, offered to research the interest level and report back to President Hood.

OKDXA badges

The membership voted to accept the bid from The Sign Man of Baton Rouge (Rick, NV5A), for OKDXA badges. These will be very professional looking badges and the cost is just \$6.95 which INCLUDES shipping. Details on ordering will be supplied to each OKDXA member very soon. We hope most of our membership will choose to order an OKDXA name/callsign badge to promote our Association.

• New callsigns in the OKDXA

Carl (ex-KA5DAV) in Sulphur is sporting a new vanity callsign, N5XE. Dick (ex-N5HEL), of Enid now wears NJ5S. Congratulations to Carl and Dick.

• Will this help you?

Remembering to pay your OKDXA dues, especially when the due date falls on Oct 1, is just one more item that can easily get lost in the busy shuffle of our daily lives. As your Sec/Treas., I am willing to offer our on-line members this option.

Would you like to be recorded in our membership roster as a perpetual member with the understanding that you would receive a reminder (or reminders, ha!) by email to send in your dues? If you feel that an email reminder would be helpful and not an irritant, then let me know and I'll set you up as a perpetual member. But if you do, remember that you can't get mad at me if I bug you to send in your dues! Ha

This will only be available for those members who have email.

• Email update/changes

In the interest of saving space and printing costs for the C&E, I'll be running just email changes and updates. Here are this month's changes to the list.

Aaron, Bert K2BA

baaron@flash.net

Aaron, Carmen KA3TOP

baaron@flash.net

Geary, Arthur KK5QS

afg3@juno.com

Hood, Jim K5TT

k5tt@contesting.com

King, Charles W5KWK

w5kwk@juno.com

Miller, Hal KB1ZQ

n1lpn@swbell.net or aol.com

Miller, Linda N1LPN

n1lpn@swbell.net or aol.com

Sitton, Sam, W5CU

w5cu@msn.com

Winkelman, Bruce AA5CO

bwink@galaxy.galstar.com

If you are a member of the OKDXA and you have an email capability (and you wouldn't mind having it published in this NL) please email it to your Editor, N5OGP. Thanks!

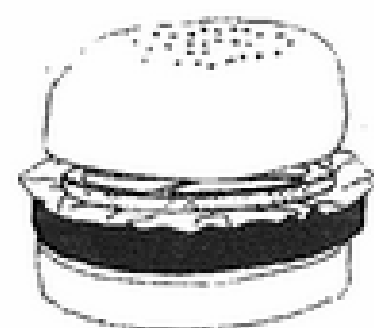
73 de N5OGP sk

Newsline

UK 10 GHZ LOSS

It is now only just a few days before United Kingdom hams must cease operations in part of the 10 Gigahertz band. As of April 1st, the subband 10.150 to 10.3GHz will no longer be available to radio amateurs in the U.K. After that date, all activity will then take place in the two bands from 10.0 to 10.150 GHz and 10.3 to 10.5 GHz. A new RSGB approved bandplan is already in place for the affected spectrum.

(Via GB2RS)



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Sat: 8:30-2:00pm
Sun: Closed

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The Leonard 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 15, 1997**.

Return applications to:

Don Ayers, KC5BRO
Rt 1, Box 108X
Edmond, Oklahoma 73003
(405)-340-0458

Applicants must be a graduating High School Senior who is a member, child of a member or grandchild of a member of a CORA, Inc. supporting club. List of available clubs is on page 2 of the Collector and Emitter. Any questions please feel free to call Don, KC5BRO. Award to be given at the CORA annual Ham Holiday, July 26th.

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?

HAVE YOU RECEIVED ANY OTHER SCHOLARSHIPS? IF SO HOW MANY?: _____

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.

D. OUTLINE YOUR WORK EXPERIENCE.

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



Oklahoma City Autopatch Association

Minutes of OCAPA Meeting Tuesday
March 18, 1997

Meeting called to order by John, N5SAM at 7:32 p.m. There were 29 members and 2 visitors present.

Secretary's Report: A motion was made and seconded to accept the minutes of the February meeting as published in the *C&E*. The motion carried.

Treasurer's Report: The Treasurer's report was read by Bob, WA9FCT. A motion was made and seconded to accept the report as read. The motion carried.

Field Day:

The Deer Creek School site is reserved. We need a chairman to organize this year's effort.

CORA:

Ham Holiday dealer invitations have been sent out. One is confirmed so far.

ORSI:

This is a group of hams who has the responsibility of coordinating repeater frequencies in Oklahoma. Some concern was expressed about how this organization is carrying out this responsibility. This concern is based on statements that were made at a recent meeting during the Tulsa Hamfest. A motion was made by Don, KC5BRO to contact other clubs in CORA and attempt to determine if ORSI is doing anything illegal and hire a lawyer if necessary. After some discussion, Don amended his motion to have a letter sent to ORSI requesting a copy of the organization's By-laws. Tom, WA9AFM will write the letter. ORSI's address is P.O. Box 96482 Oklahoma City, OK 73143. Don's

amended motion was seconded and it carried. ORSI has a meeting scheduled for April 6th at 2 p.m. at the Senior Center in Dougherty, OK. Dougherty is located on State highway 110 south - south east of Davis, OK. Amateurs interested in protecting our repeater frequencies should plan to attend this meeting.

Technical Committee:

Lloyd, AB5I reports a lot of work has been done on our repeaters (an understatement) and the shack has been cleaned up. Many thanks to those involved in this effort. Future plans include having a set of cavities tuned for 22/82 and installed on the antenna located at 1205 feet. The DX cluster and a digital repeater are now up and running on the antenna located at 400 feet. Much of this equipment was donated by Terry, K5HP. A motion was made and seconded to permit OKDX Association to share the use of this antenna and facilities. The motion carried.

A motion was made and seconded to buy a new CAT1000 controller for the 22/82 repeater and put the CAT300 on the UHF repeater. The motion carried.

A motion was made to put "W5MEL", the club call sign, on the 147.21 and 444.3 repeaters. The motion was tabled until next meeting.

The meeting was adjourned at 8:51 p.m.

Don, N5ENQ is compiling a directory of e mail addresses of local hams. Send yours to n5enq@juno.com.

Respectfully submitted, Sam, KL7V

OCAPA email address!!!!!!

The autopatch club now has an email address - ocapa@juno.com

The officers will have access to check it daily. If you want anything to be forwarded to the *C&E*, CORA, or just want to send the club some email, we now have a place to send it.

I wish it was a BIG web site, but the price was right (hihi).

73, John N5SAM

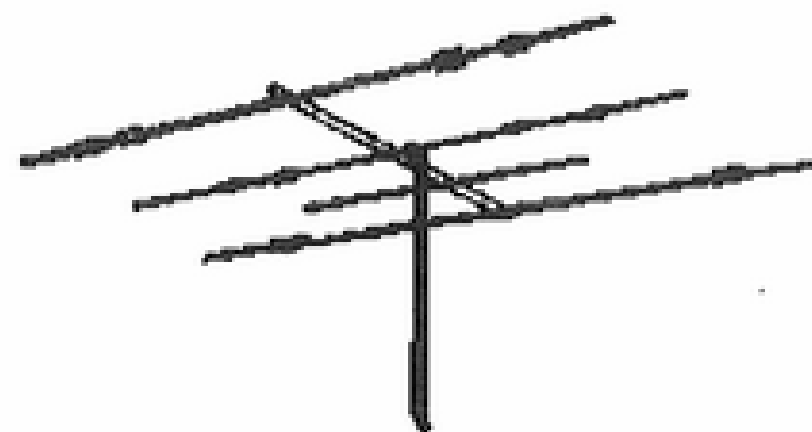
More antenna stuff

SWR

How much is too much? Most hams who have been licensed for any length of time have at least one instrument to measure SWR. Judging from some of the discussions I hear on the air there seems to be a lot of misinformation being passed around about the subject. Much of this misinformation comes from old timers who have been in the hobby long enough to know better. Let's take a brief look at some of the common misconceptions.

1. "Your antenna must have a low SWR (ideally 1:1) or it will not "get out" very well. And the reverse of this one, "if your antenna does have a low SWR it will "get out" well."
2. "Reflected power is lost power and is not radiated."
3. "High SWR causes the feed line to radiate and will cause TVI."

All three of these statements are false. Here is a brief discussion of the facts.



1. A dipole cut to be resonant at 3750 kHz fed with 50 ohm line will have an SWR of about 6.5:1 at 3500 kHz and about 5.0:1 at 4000 kHz and the difference in radiated power from 3500 to 4000 kHz will be insignificant (less than one half of one decibel). And the reverse, example: a quarter wave vertical with a broadcast standard radial installation (the FCC requires AM broadcast stations have a minimum of 90) has a terminal impedance of approximately 32 ohms. The SWR will be about 1.6:1 when fed with 50 ohm line. But if we remove radials from this system and watch the swr, the ground losses which were negligible will rise and when the ground loss resistance reaches 18 ohms the SWR will be 1:1. But now a significant part of the transmitter power is doing nothing but

warming the earth. (Could this be contributing to global warming?) Further, in a typical installation with 4 or fewer radials, the ground loss resistance could be as much as 30 to 35 ohms. So now the SWR at the resonant frequency is about 1.5:1 and if we QSY up or down the band from the resonant frequency the SWR will not rise rapidly as it would with a good radial system, rather it will be of much lower value than with a good antenna system.

2. All power fed into a transmission line, minus the amount lost in line attenuation, is absorbed in the load (radiated by the antenna) regardless of the mismatch at the antenna terminals. Reflected power is not dissipated in the final amplifier circuit of the transmitter. It is re-reflected by the amplifier tank circuit (or antenna tuner if one is used) and added to the power delivered by the transmitter and returned to the mismatched load.

3. High SWR does not cause the line to radiate. Coax and open wire feed lines may radiate at low levels by re-radiating energy coupled into the line if the line is not symmetrical with respect to the antenna. This condition has no relation to the SWR on the line.

This article applies primarily to HF systems. Due to increased attenuation losses as frequency increases, SWR becomes more significant as the operating frequency goes up into the VHF range and especially in the UHF and higher frequencies.

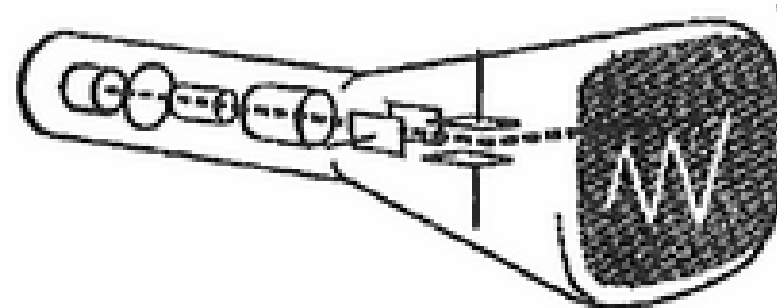
Thanks to Walt Maxwell, W2DU for his fine work in this field and his contribution to our hobby. Much of the information in this article is from his book "Reflections". Most of it is also covered in the ARRL Antenna Book. Want more? Subscribe to Worldradio Magazine, 1901 Royal Oaks Dr., Suite 190, Sacramento, CA 95815 or call 800 366-9192 weekdays 8am to 5pm Pacific time. Cost is \$15.00 per year. A great ham radio publication. One of the regular features is an article entitled "Aerials" which provides plenty of straight talk about antennas.

73, KL7V

FCC Enacts Internet Morse Code Requirement

Note for the humor impaired: this is satire. Please do not read this if you are not properly trained and certified in satire.

The FCC, under pressure to clean up the Internet, especially after the Communications Decency Act provisions regarding Internet content regulation were stricken as violating the U. S. Constitution, has decided instead to require a Morse code requirement for Internet users. Citing the success of the Amateur Radio Service and the general belief that its requirement for operators to pass a Morse code proficiency exam and other technical requirements, has kept the A.R.S. "clean", the FCC will enact a "5 word per minute" requirement for all Internet users. They are leaving open the issue of whether there should be a "codeless" class of Internet user and are soliciting comments on this proposal.



Persons wishing to develop a web site having only links to other web sites having links to other web sites, and so forth, must pass a 13 word-per-minute test and demonstrate proficiency in HTML, the Internet authoring language. Persons wish to develop web sites that have actual content, as compared to just links to other web sites, must pass a 20 word-per-minute Morse proficiency test, demonstrate proficiency in HTML and the Java programming language, and show that they have mastery of at least one human language, such as English.

The FCC, which lacks budgetary authority to implement the testing program, has stated that it intends to create Volunteer Examiner programs for Internet applicants.

THE ELECTRONIC HOLE THEORY EXPOSED AS FRAUD

Have you ever been confused by the Electronic Hole Theory of Semiconductor Physics?

I do know my stuff when it comes to electronics and have done a careful study of the illusory phenomenon of electron flow and here is what I have found.

After years of research, I have come to realize that

the hole theory may Not be Correct. My theory, which has been proven time and time again in service shops all across the country, is this.

All Electronic Devices and Especially IC's

Work on Smoke...

Yes, that's what I said, Smoke! I have recently discovered that every electronic device manufactured and all IC makers, encapsulate a certain amount of Black Smoke in every one of their devices.

This smoke is what does the work and performs the magic of electron flow inside the device.

Undoubtedly, you have often noticed that a component will quit working when this encapsulated smoke leaks out.

I have documented this many times and it conclusively proves my theory.

After all, when a storm comes up, the sky gets black,

The lightening starts to flash through the black clouds, which must be smoke.

Because when the sky clears and is no longer black

the lightening stops!

So the Smoke is the answer to electron flow...

Proof Positive: Have you ever been able to operate an electronic component after the Smoke leaked out?

I rest my case.....

Richard McCombs, KB5SNF
rmccomb@sirinet.net



Edmond Amateur Radio Society

Business Meeting Minutes - Mar 16, 97.

The meeting was called to order at 2:06 PM by Jay Lytle, Club President. Introductions of the 22 members and 1 guest were held. The January business meeting minutes of EARS were read by John Thomason, in the excused absence of Sharon Thompson, EARS secretary. Minutes were approved as read. Treasurer report was given and approved as read by treasurer J. B. Bogner.

The repeater report was given by Lee Vaughn who reports a "quieting-down" of the two repeater noise. For the time being the source of this several month noise problem has been identified and solved which has allowed the repeater to return to carrier operation. Approximately 240' of 1 1/4" hardline has been made available to the club from an anonymous source. Another source of hardline has been located locally with the possible need for purchase. Lee also mentioned that the St. Patrick's Day parade on March 15th "went very smooth and like clockwork." About 15 EARS members helped with that parade.

Harry Kocurek was present at the meeting and invited EARS to help with the Edmond Fourth of July festivities while noting the parade route will not change for 1997. Dee gave the club station report and indicated the need to communicate our schedule of club station to the city when late hour operating is anticipated. Clara gave the Health and Welfare report and had good news regarding several club members: Bill Herod is back-to-work, Bob Herbert is doing quite well, J. D. Keeling is getting along some better. However, A. C. Adams' s mother-in-law fell and is not doing so well. She also

noted getting a thank you letter from the family of silent key club member Bill Demand.

Jim, N5OHL, gave a 20 year recognition certificate for being an Amateur Radio operator to Brad Thomsen, AC5CQ. He also gave nice certificates of appreciation to those who helped teach and sponsor the just completed General Licensing class. Jim was given praise for his management, effort and the outcome of the General class. David, KC5KJE, noted no progress with the club vest project as vendors he has contacted are unable to provide the jackets in large enough sizes for club members use. It was suggested that "we make our vests."

J. B. Bogner, K0JF, introduced new club member Harold Plunk, K5GBF, who was given a warm round of welcome applause by club members. It was mentioned that EARS will be handling the Ham Holiday 1997 registration. A lengthy discussion was held about the site for EARS field day 1997 (June 28th and 29th). Some prefer an indoor air conditioned setting while others brought up the fact that a club station site would run counter to the letter and spirit of Field Day protocol.

The members present voted (by way of hands) overwhelmingly to recommend to the Board that the club participate in Field Day in the traditional manner - using emergency power and setting up antennas and equipment in an emergency location and not utilizing the club station. Both Jay and J B acknowledged the members wishes and advised the Board would reconsider the Field Day issue at the next Board meeting. The only input previously furnished the Board was to hold Field Day at the club station.

Meeting adjourned at 3:30 PM.

Submitted by: John Thomason, WB5SYT

EARS Happenings

Hello and Happy April from the Edmond Amateur Radio Society. Your editor hopes that your spring is shaping up nicely. This is the time of year for many exciting outdoor activities to commence.

If your having trouble recalling last months EARS article, there is no need to go back and review. I failed to finish and turn it in on time, but I assure you this should not happen again.

As everyone is well aware, spring in Oklahoma means some beautiful weather. It also means some severe weather as well. This spring EARS has a vacancy in the Emergency Coordinator position. Ray Wilson W5TYR has graciously volunteered to assist with training a new E. C. and assistants. If you are interested in being the E. C. or an assistant E. C. please contact Ray or any EARS board member.

Now lets talk a minute about the EARS Repeater. As this world in which we live is less than perfect, the Vhf repeater has had its share of problems over the last several months. Also the Uhf machine all but floated away recently when the water tower above it decided it needed a bath. This is where the members of the technical committee come into the story. They have worked very hard to keep the Uhf Machine dry and the Vhf machine on the air and sounding very good. Also, with the help of a number of club members and others of the ham community the major cause of the repeater interference was located and is being taken care of. I think I can speak for all of us in saying THANK YOU to the Technical Committee for all of there hard work.

Next, a few upcoming events to keep in mind. Field Day is fast approaching and the last club meeting brought many valuable ideas about this year's effort. June 28th and 29th are the days to look foreward to. Plans are to set up outside and work the world.

July 25th and 26th will find us deep in the flea market of Ham Holiday OKC. This years event is set for Friday evening and all day Saturday. EARS is once again handling the registration table for the event. Volunteering to help with this job is a great way to meet many other hams and make HH '97 a success.

New Members For 1997

Alan Clark	WD5IKD
Bill Dove	KC5YKF
Gail Foote	KC5YBO
Wes Foote	KC5ZBX
Chris Martin	KC5YKJ
Carl Short	KC5YKL
Dwight Shrum	KC5YKH
Johnnie Ham	KA5YSK
Ronald Soliday	KC5VYI
J. H. Plunk	K5GBF

April Birthdays

Steven Guinn	N5OLX	04-12
Wally Allison	KB5OFR	04-13
Ray Wilson	W5TYR	04-14
Clifford Cooley	N5CSJ	04-15
Ed Granger	KB5DZU	04-16
Mike McShan	N5JKY	04-17
David Story	K0TYC	04-17
Sue Snyder	N5VWI	04-21
John Kuper	KC5RYS	04-23
Kevin Means	N5USQ	04-25
Mark Welch	KC5SMH	04-29

The club station is still open on thursday evenings thanks to Jim N5OHL, and others who help fill in. Stop in, see what's new and operate a bit of DX. You might even say Hi to Jim and the others while your there.

As I wrap things up this month I wish to thank The EARS Secretary, Sharon Thompson KM5GV for her help with the C&E article each month. A few days after each Board meeting and Club meeting I receive a copy of the meeting minutes. Good job.

That's about it for this months info. Enjoy the spring weather and don't forget to water those antennas.

Thanks and 73

Joel, KB5FCF
EARS Editor

Saint Patrick's Day Parade

The morning dawned clear, cool and green. It was Sat. March 15th and time for the St. Patrick's Day Parade. The morning started for some at the pancake and sausage breakfast at the American Legion Hall.

We met at the corner of Dewy and Sheridan for assignments and

instructions. Net controls were Richard KB5TCY and Toni KK5LH.

It wasn't long before people started to arrive. They started slowly and then all of a sudden every where you looked all you saw was GREEN. Talk about an assortment of entries. We had them all. From dogs of all sizes to horses. There were 4 bands much to the dismay of the net control. (one of the bands was stationed right in front of them. We almost lost net control when the band decided to practice.) There were the usual assortment of politicians, including the governor. And clowns, you bet there were to many to count. I even saw a ham. Robert N5IJX was with one of the parade entries.

All in all the parade went well. There were no big problems. We almost lost a band, but at the right time there they were in the right spot. I wonder where they went? hmmm....

THE HELPERS

David KC5KJE
Ernie K5YKD
Chuck KB5RBV
Trish KC5YBP
Steve KC5RYT
Carl KC5YKL
Jay KB5VDH
Shannon KB5VQM
Dee WD5FHR
Lee KA5WIS
Clara KG5UG
Mike N1XSF
Hal KB1ZQ
Johnnie KA5YSK
David K0TYC

Sorry if I missed anyone it was not intentional.

Elizabeth Green, Parade Director, would like to thank all of us for our help with the parade.

I would like to thank everyone that helped. Thank you so much. Good job!!!
Edith, KA5YPX

Congrats to General Class Attendees

At first I had my doubts about organizing an "Upgrade to General" class. Would I get enough dedicated students? Could I find some others to help me teach it? In early January I called a meeting at the

EARS club station to organize the class. I was pleasantly surprised to see nine amateurs volunteer their time to help organize and teach this class. A total of 21 students signed up for the course which ran for two months. Class met each Thursday at the club station for amateur radio theory and code practice. I knew the real secret to getting the code would be regular practice, so in addition to the regular class, I had gave a daily code practice session on 2 meter simplex (146.40MHz). Many said it was this daily code practice that made the difference. The class is over now and I am very proud to recognize these folks that have upgraded:

John	N5SAM	General Class
Curtis	KC5GEP	General Class
Judy	KC5SMI	General Class
Carl	KC5YKL	General Class
Jeff	KC5MDR	General Class
Justin	KC5VYI	Advanced Class
Stan	KA5EGK	General Class
Onis	KC5RPC	Tech Plus
Wes	KC5ZBX	Tech Plus

Passing the theory for General:

Onis	KC5RPC
Jim	KC5MJS
Johnnie	KA5YSK
Jay	KB5VDH
Steve	KC5RYT

Thanks go out to these folks that gave their time and effort to organize and/or teach this class:

Clara	KG5UG
John	WB5SYT
Sharon	KM5GV
Earnest	K5YKD
Dave	K0TYC
Dee	WD5FHR
Sam	W5CU
Larry	N5IXV
Brad	AC5CQ

Even though the actual class is over, I will continue with daily code practice on 146.40 simplex. Every Thursday night from about 6:30 to around 9:00 the EARS club station is open. For the next few weeks I will be having some practical discussions on setting up and operating an HF station. All are welcome.

73 de Jim N5OHL



VHF Club
NEWS
W5LOW
Elmer Goekler Memorial
Station

Oklahoma Central VHF Amateur Radio Club

Club minutes of the March 20, 1997 meeting.

The Oklahoma Central VHF ARC held its' regular meeting at Neighbors Country Kitchen, Classen Blvd. at N. 33rd St. Vice-president Ken, KF5JS called the meeting to order at 6PM with 15 members and guests in attendance.

The president Jackolyn, KA5ENU was unable to attend due to a physical therapy session, and the treasurer Jim, W5AI, was also absent due to a medical procedure. All present wished them well.

Minutes for last months meeting as published in the *C&E* were approved.

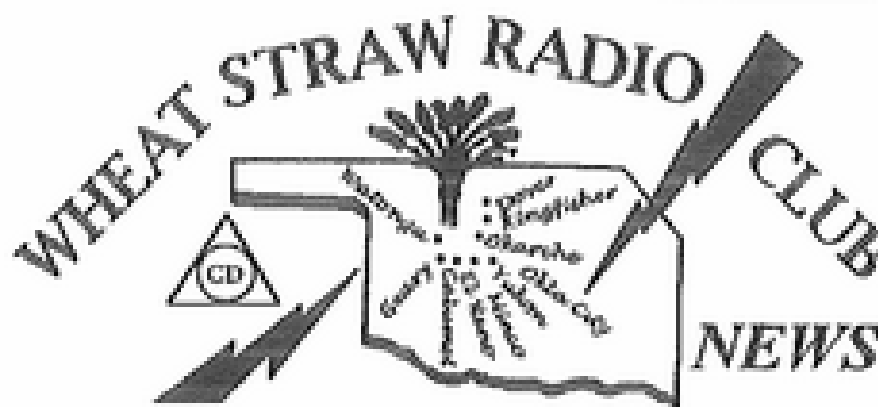
There was no treasurers' report but there was general agreement that if there had been one it would have been approved.

There was no subject brought up under old business.

A discussion was initiated by Jim, N5BEQ about having more that one club callsign and a motion was made and seconded to defer that subject until the next meeting, and the motion carried. Jim, N5BEQ also reported on the last CORA meeting. This prompted a request that *C&E* be notified to change the calendar on the back of the *C&E* publication to show the new dates the VHF Club will meet.

Comments were made that the food was good and the meeting room was nice. The next meeting will be held the same place at 5:30 PM on Thursday April 17th. Meeting adjourned at 6:20 PM.

73, de J. R., KB5WVE



Wheatstraw Amateur Radio Club

Meeting was called to order March 9th at 2:30 p. m. by our president Johnny, K5GBN. There were twenty seven members and visitors present. The meeting was held in the Community Building in Canton, OK.

After the minutes were read, we had self introductions. There were five of Leo's students present, Howard Lesnett of Watonga, Mary and Ora Van Winkle from out west of Canton, Beth Seifreid NW of Canton, and Beverly Brown. Leo has eighteen students. Leo said, "The students are doing quite well in the classes" Congratulations go out to Leo, WZ5H. We all appreciate him.

The club had little business to take care of. Ralph, WA5PFK spoke of some of the excellent care he received while in the St. Anthony hospital, thanked everyone for the cards, phone calls, and visitors who came down to see him.

Tri - State Amateur Radio Hamfest & Eyeball QSO will be held April 12 & 13, 1997 in Mooreland, OK at the community building on SH412 For more information contact Duane, KC5NID @ 405-994-2223; Jay, KB5SOO @ 405-994-2751 or Bill, NW5O at 405-256-3248.

Tim Coffey, an employee of the Corps of Engineers at Canton Lake, he is a ranger and does a lot of work with wild life. Tim brought a twenty minute colored film on how to learn to get in close to study and observe the nature of Oklahoma wildlife. The film was on several wild animals and birds by Marty Stauffer. The film was educational for all ages.

In this film good and some scary things happened. A camper had set up his tent,

leaving some food in it. A big black bear came along, standing on his hind legs ripped the tent down and helped himself. The camper came back in time to see what happened. The camper said, "Thanks, I needed that!"

The next Wheatstraw regular meeting falls on April 13, 1997. April 13th is also a covered dish dinner, each family that will be there for dinner be sure to bring a covered dish, bring your eating setup.

Ray, AB5Z made a motion that Wheatstraw Club go to the Mooreland Eye Ball on the 13th of April and have our regular meeting on the way. We are to meet at McBee's Restaurant at 9:00 a.m. and we will leave from there. Motion was seconded by Tom, N5IKN. Motion carried. Some members will join the caravan at the junction of Highway 51 and 281.

Leo reported that his granddaughter went back to the doctor last week for a check - up. Robin needs all of our prayers.

Olive, N5IXN lost her sister - in - law last week funeral services were March 9th. Her name was Alma Bernice Adams. Tom, N5IKN made a motion the club send a memorial to her church in Alma's memory. Motion was seconded by Ray, AB5Z. Motion carried.

The meeting adjourned for refreshments and fellowship. As usual there were refreshments galore. Everyone seemed to enjoy themselves.

Ralph, WA5PFK for Joe

Think About It

It used to be that papa dealt with our stern code of discipline to junior. When the electric razor took away his razor strap, furnaces took away the woodshed, and tax worries took his hair and the hairbrush. That's why kids are running wild today. Dad ran out of weapons.

Shocking Indeed Old Chap

One day there were three men in a hospital waiting room, all waiting to

become fathers. A nurse came of the delivery room and said to the first man, "Your wife just had twins." He said that's funny, I play for the Twins baseball team!"

Then another nurse came out, she told the next man, "You are the father of triplets." He said, "That's strange I work for Three Sons, Inc."

A third man fainted, a nurse asked what happened. The first man replied, "We were talking about jobs, and he said he worked for 7-Up!!"

Charles Simonds, W5NEN a more serious subject

I received a sample copy of *Shortgrass Quarterly* Issue 1. On page 12 I hope everyone had the opportunity to read the article written about Charles Simonds and his friends. It is a heart warming story for the ones that knew him all through the years.

I remember Charles' father, he was the town surveyor for a good number of years. He also repaired watches and clocks. He worked on many old thirty day clocks that hang on the wall and those that stood on the floor.

Norman Dickens grew up in the Greenfield district about seven miles south of Watonga. I was younger than those boys, but I went to Greenfield school in the lower grades while Norman went thru high school. Norman was an outstanding football player.

Charles was always busy checking and working on something. He kept himself busy in positive thoughts. I never heard of any one saying anything but positive conversation about Charles. When Charles was recognized for his designs he showed very little emotion. He put his extra time into something constructive.

**A Diamond is a Chunk of Coal that
made good under Pressure.**

Ralph, WA5PFK

Newsline

UK GOES 12.5 KHz. 2 METER REPEATER SPACING

Hams in the United Kingdom are about to face the challenge of retooling their personal stations and their repeaters for a new bandplan. One that spaces two meter repeaters only 12.5 kilohertz apart.

As a result of a decision made by the International Amateur Radio Union at its meeting in Tel Aviv, 12.5 kilohertz spacing between repeaters has been selected as the new standard for Region One to replace the existing 25 Kilohertz bandplan.

The IARU had planed to phase it in over the next several years, but the United Kingdom is not waiting. Two weeks ago, the Radio Society of Great Britain announced that it was going to take the point position in the implementation of this new standard. RSGB announced that it would immediately begin coordinating the 12.5 khz channels. It also announced that it would require all existing repeaters to conform to new technical standards that 12.5 kHz requires.

In another bulletin issued on Sunday, March 16th, RSGB announced that the East Sussex 2 meter repeater, GB3ES, is being converted to 12.5kHz operation right now. This, while the repeater is off the air for maintenance.

GB3ES will return to service on Saturday, March 22nd. At that time the United Kingdom's ham radio community will begin to know if their current ham stations can live with the tight new standard.

(Via GB2RS)

LOUISIANA MAY GO 20 KHZ

And the United Kingdom is not the only place that changes are taking place on 2 meters. Here in the United States, word has

reached Newsline that the state of Louisiana is considering switching from its current upright 15 KHz separation bandplan over to the Pacific Northwest 20 Kilohertz plan. This, to put it in line with other nearby states.

At the March 8th meeting of the Louisiana Council of Amateur Radio Clubs in Lafayette, a motion was made to have the frequency coordination committee look into changing the current spacing of the 146-148 MHz band from 15 to 20 KHz. For some time, a number of repeater trustees and operators have been voicing their opinion on this matter and it is finally being looked into seriously.

If enacted, this would bring Louisiana into alignment with Texas, its large neighbor to the west. Texas switched to 20 KHz intersystem spacing in the upper 2 meter repeater subband 12 years ago. Other areas of the southeast and central U.S. that have moved to 20 KHz.

The Louisiana Council of Amateur Radio Clubs also voted to proceed with changes in the states UHF bandplan. These modifications add new channels for high speed packet and other digital modes. They also open up space for the so called backyard low power local repeaters and crossband repeater systems. This plan is very similar to those passed by Texas some years ago and more recently by the SouthEastern Repeater Association.

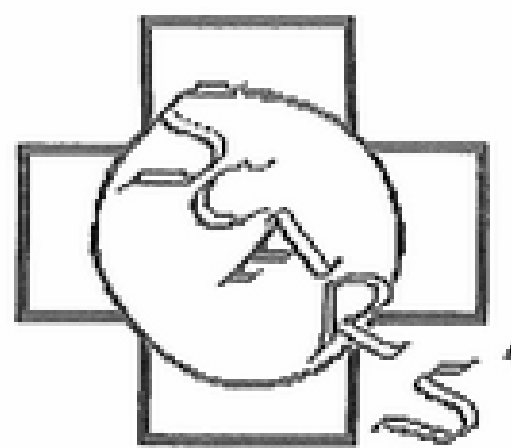
(Via Newsline)

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SOUTH CANADIAN AMATEUR RADIO SOCIETY

March 12, 1997

Our thanks to Randy Ridenour, WB5RWN, for his faithful service as Secretary to this club. I will do my best to serve the club as well as he did!

The March meeting of the South Canadian Amateur Radio Society was held on March 8, 1997.

The meeting was called to order at 9:30 am by club President Mike, KC5GJL, and began with the introductions of all those present.

Ken, N5BEW, gave the monthly repeater report. All in-town equipment has been repaired. A pre-amp has been added to the in-town receiver, improving its all-around performance. The receiver will remain P.L.'d with a tone access of 141.3. Ken reminded us that a 100-watt P.A. is still needed for the main-site transmitter, and also offered some possible causes for an intermittent interference problem being experienced at the main site. The problem has been attributed to oxidation on the guy - wires, and the solution is to provide a better ground system for the tower and guy-wires. A motion was made and seconded to purchase the necessary supplies to improve the grounding.

Don, KJ5KB, proposed 50% discount memberships for all high-school and O.U. student members of the O.U. Amateur Radio Club. The proposal was tabled until next meeting pending some necessary research into the club constitution.

The Treasurer's report was given by Sara, KC5ABA. Sara noted that she had mailed letters to twenty six members who had not yet paid their dues. Sara also

informed us that our old friend Monte, WB5RZX, will be moving to Alabama. (Quite a change from New Mexico!!!)

Our C.O.R.A. report was not available this month, as no one had been able to attend their meeting.

Peter, N5UWY, was in attendance and gave us a report regarding the SKYWARN meeting which was held on March 1. Twenty five people were present at the meeting, and a lot of important material was covered. Peter explained there is still a need for radio net-control operators. If you are interested, you may contact Peter by way of the SKYWARN web page. Here is the address:

<http://www.wildstar.net/~plaws/skywarn/>

You will find a lot of pertinent information there. Contact Peter as soon as possible. Storm season is here!!

On a related topic, Don, KJ5KB, asked for more Red Cross disaster volunteers. He also invited people to help him perform some "house cleaning" in the radio room. We have several computers which need to be checked and sorted through to see what can be salvaged from them.

Lastly, please note that Field Day reservations have been secured for the pavilion at Reeves Park.

The meeting adjourned at 10:04 am.

Jeff Wyke, KE5EB
SCARS Secretary

Newsline

A SLOW TRAIN TO LA

Even though the month is almost over, many hams in Southern California have yet to receive their March issue of QST magazine. The League says that the U.S. Postal Service is the one that lost the magazines.

According to a special ARRL bulletin, once the magazines had entered the U.S. Postal Service stream, they were put on the wrong train and wound up in a Houston, Texas, postal facility. Once they

were located, they were reportedly sent on to the Los Angeles Bulk Mail Center. They were scheduled to arrive in Los Angeles last Friday, March 14th. From there they were slated to be dispersed to subscribers. As this newscast is prepared, we at the Newsline office have yet to see our March QST. Knowing the Los Angeles Bulk Mail Facility, we figure it may make it here before summer. Then again, maybe not.

(Via ARRL release - editorial comment from Newsline)

SAREX ABOARD STS-83

Eighteen schools, including establishments in the People's Republic of China and on Okinawa will get to talk to the ham Astronauts during the next space shuttle mission scheduled for liftoff on April 3rd. Three hams will be aboard the shuttle Columbia when it blasts off from Cape Canaveral. They are Mission Commander James Halsell, KC5RNI, Payload Commander Janice Voss, KC5BTK, and Donald Thomas, KC5FVF, who is flying as a Mission Specialist.

Designated mission STS-83, the flight is scheduled to last 16 days. Columbia will carry SAREX configuration C supporting both FM voice and packet radio. The shuttle's primary payload is a microgravity science laboratory.

(Via AMSAT-BB, Spacenews, ARRL)

SETI INVITE

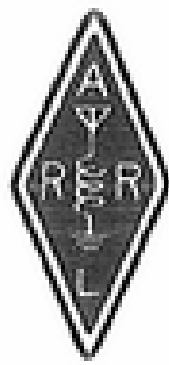
And the SETI League's Annual Membership Meeting takes place this Saturday March 22, in Little Ferry, New Jersey. Details and directions may be found on their web page at:

www.setileague.org

(Via Seti League)

HAM NAMED TO NUKE BOARD

A name in the news. President Bill Clinton has named Alberto A. Sagues, KA4MTO, of Lutz, Florida, as a member of the Nuclear Waste Technical Review Board. Sagues, age 50, is a professor of civil and environmental engineering at the University of South Florida. *(Via ARRL)*



A. R. R. L. Bulletins

From ARRL Headquarters
Newington CT

To all radio amateurs

ARRL Bulletin 16
March 21, 1997

League petitions for RACES flexibility

The ARRL is seeking a change in FCC rules to relax regulations regarding the Amateur Radio Service and the Radio Amateur Civil Emergency Service (RACES). The League wants the FCC to allow hams actively supporting emergency or disaster communication or involved in drills and tests to communicate "between and among" RACES stations and those stations registered with civil defense organizations operating under RACES. The League also wants the FCC to relax time limitations on RACES emergency drills and tests. This would permit stations operating under RACES (organized under the Federal Emergency Management Agency and operating under local civil defense agencies) to communicate, as necessary during emergencies, tests and drills, with stations operating under the Amateur Radio Emergency Service, or ARES (begun by the ARRL in 1935) or with other non-ARES or non-RACES stations also engaged in emergency communication or drills. Right now, RACES and ARES operate independently of each other, although some hams participate in both organizations.

Relaxing the rules "would permit intercommunication with other amateurs active in emergency communications, and enable a form of 'mutual aid' in the Amateur Service," the League said in its filing. "It is time that the Commission permit, but not require, communications between RACES participants and non-RACES amateurs during emergencies or emergency drills and preparedness

exercises." The League said the Commission has an opportunity to eliminate a restriction that "arguably should never have been enacted in the first place," and that has "outlived whatever utility it may ever have had."

The League also seeks to increase the time limit on RACES training drills and tests from one hour per week to up to five hours per week.

ARRL Bulletin 15
March 14, 1997

1x1 call signs put on ice

The FCC won't be authorizing any more 1x1 Amateur Radio call signs under Special Temporary Authority (STA) any time soon. That was the word this week from David Horowitz, the acting chief of the FCC's Private Wireless Division. Horowitz—who's an attorney—said he felt the FCC should not have issued STAs for any 1x1 call signs while a rulemaking proceeding regarding formal rules for 1x1 call signs, FCC Docket WT 95-57, was in the works. Action in that proceeding might not happen for several months.

Horowitz' decision effectively denied a half dozen or so pending requests for 1x1 call sign STAs. Some two dozen written STA requests for 1x1 call signs were routinely granted over the past year or so by former Private Wireless Division Chief Robert McNamara. That number does not include the 52 1x1 call signs issued for use by contestants in last summer's World Radiosport Team Championship 96 (WRTC-96) event in the San Francisco Bay area.

The League has been assured by the FCC Wireless Telecommunications Bureau that it will move expeditiously toward concluding the docket proceeding that includes the 1x1 call sign rules matter.

ARRL Bulletin 14
March 14, 1997

Ham radio Volunteer Services bill introduced

Good news for ham radio volunteers: the Amateur Radio Volunteer Services Act of 1997 (HR 1013)—introduced this week by

US Rep Anna Eshoo of California. If enacted, the bill would place volunteers in the Volunteer Examination Program and the Amateur Auxiliary under the protections of the Federal Tort Claims Act by affording them the same legal protections as employees of the Federal Government while they're carrying out such volunteer duties. "This bill would help protect the personal liability of volunteer Amateur Radio operators while performing duties on behalf of the Federal Government," Eshoo said in introducing the measure. As she explained it on the House floor, it's simply a question of fairness for volunteers, who risk damaging lawsuits while saving the government time and money. The bill was introduced with 21 cosponsors hailing from both parties.

HR 1013 is nearly identical to a bill introduced last year but not enacted and similar to a unanimously accepted amendment to the FCC reauthorization bill that Eshoo herself offered last year in the Commerce Committee.

On the House floor, Eshoo outlined the rationale behind the Amateur Radio Volunteer Services Act of 1997 in these words, and urged her colleagues to support the bill:

"Amateur Radio operators are self-regulated, with volunteer operators monitoring the airwaves for violations and administering licensing exams. This volunteer corps saves countless hours of staff time and resources for the Federal Communications Commission; however, because they are not Federal employees, they put their personal assets at risk in the event of actions taken against them as a result of their volunteer service to the Government."

"It is simply unfair that these volunteers who are saving the Government time and resources should have to risk their personal assets in carrying out their service. The Amateur Radio Volunteer Services Act would classify those individuals donating their time and expertise to maintaining the quality of the Amateur Radio airwaves as Federal employees only for the purpose of actions

taken against them in the performance of their duties as self-regulators. This action will ensure the continued viability of the amateur radio community and continue to save the FCC and the Federal Government time and money that would otherwise need to be expended."

ARRL Bulletin 12

March 5, 1997

FCC proposes changes in spread spectrum regs

Responding to a petition for rulemaking from the ARRL, the FCC has proposed in WT Docket 97-12 to adopt changes in its Amateur Service rules governing spread spectrum. In spread spectrum the energy of the transmitted signal is distributed among several synchronized frequencies within a band and reassembled at the receiving end. This reduces power density and duration of a transmission on a particular frequency and lets spread spectrum almost invisibly share the same spectrum with users of other, narrowband modes. Spread spectrum also provides for improved communication under poor signal-to-noise conditions and in selective fading and multipath environments, and the ability to accommodate more communication channels operating simultaneously in the same spectrum.

The League's December 1995 petition asked the FCC to relax its rules to give Amateur Radio more opportunities to contribute to the development of spread spectrum techniques. Specifically, the League sought to have the FCC relax restrictions on spreading sequences and asked for greater flexibility in spreading modulation. In response, the FCC now has proposed to drop rules restricting amateur stations to transmitting only frequency-hopping and direct-sequencing spreading techniques. As requested by the League, the FCC also has proposed to require automatic power control for spread spectrum transmitters, to ensure use of the minimum power level needed to carry out communication.

The FCC also went along with the League's request to permit brief test transmissions using spread spectrum and to allow international spread spectrum

communications between amateurs in the US and those in countries that allow hams to use spread spectrum. The current rules allow only domestic communication.

The use of spread spectrum techniques was first approved for Amateur Radio in 1985 for bands above 225 MHz and at power levels up to 100 watts, and there has been some experimental amateur operation since then. The FCC also has authorized Special Temporary Authority (STA) in some instances to allow broader SS experimentation. Since spread spectrum was introduced in the Amateur Radio service, commercial spread spectrum applications have been developed, including personal communication services, remote meter reading and position locating. But, the League had argued that rules limitations held back further spread spectrum experimentation. No changes are proposed in the frequency bands where spread spectrum is permitted.

The FCC said the rule amendments would "increase spectrum efficiency and allow amateur operators to contribute to technological advances." Comments on the NPRM in WT Docket 97-12 are due May 5, with reply comments due June 5.

Newsline

HAM JAMMING CALLED "TERRORISM" BY AUTHORITIES

Indiana State Emergency service officials have dubbed a recent spate of jamming of ham radio Skywarn communications as an act of terrorism. They have asked authorities in the city of Elkhart to try to find the person or people who have been jamming emergency ham radio signals across the county.

According to an article in the March 16th issue of the Indianapolis Star, the Elkhart County Emergency Management Office has contacted the sheriff's department and reported someone has been planting devices designed to interfere with the signals of ham radio operators. Operators that the county relies on to provide storm spotting and other activities.

The problems began in February. Emergency services operators fear that with the tornado season approaching, that the jamming could blocked important transmissions when a radio operator is trying to warn local emergency services of dangerous weather. The why the State Emergency Management Agency says it considers jamming to be an act of terrorism.

The Elkhart County Sheriff's Department has opened an investigation into the jamming. No arrests have been made, and police would not comment on possible suspects. Agency officials said they will assist any way they can in the local investigation.

So far, no reports that the FCC has been contacted.

(Via KF9ZA, Indianapolis Star)

FCC DATE OF BIRTH

In regulatory news, a few weeks ago the FCC implemented an order that removed the date of birth information from the public records of all Amateur Radio licenses. The FCC did not say why it took this action. Now sources in Washington are saying that it was actually the result of complaints to the agency based on the Privacy Act.

Word is that the FCC received a number of protests from amateurs who did not want their birth date made public. Rather than face the possibility of litigation, the commission buckled under and removed the date of birth information.

Now word comes that the FCC is receiving other demands from amateurs who want most if not all information about them deleted from the public record. Weather or not the Commission will accede to these demands and how they might do it is unknown.

(Via Newsline)



Choctaw Amateur Radio Club

Choctaw ARC meeting
March 17, 1997

The first members to arrive discovered that the VO-TECH was locked down for Spring Break. So the meeting was moved to the Community Center behind City Hall.

The Club President was working late so the Vice President started the meeting at 7:10 p.m. He delayed to allow for late arrival by those who may not have heard about the change in meeting location.

Introductions:

The meeting began with self introductions. There were three guests and 14 members in attendance. The guests were Norman Wilson, W5FLO, Bert Aaron, K2BA, and his wife Carmen, KA3TOP.

Reports:

John, K5CBP the Club Packet Officer reported that the TexNet system is up and running with only the Missouri path not accessible at this time. The folks at Ft Smith are working on the problem and hope to have it fixed soon. John also reported that we may soon have a path to Texas that involves two 100 watt systems, one on each side of the Red River. A ham at McAlester is working the problem. John also announced that TAPR has some good software available that can be ordered on diskette for \$3.00 or can be downloaded from the internet by logging into their web page at www.tapr.org. Then lib/upload.

The Treasurer gave a report that revealed the club has a healthy financial position. Details of the report are available for

those club members who desire additional information.

Kay KB5VJR, YL Net Controller informed the group that the YL net which meets at 8 p.m. each Tuesday evening on 147.09 is still going strong. She reminded the group that any YL is welcome. As a reminder, any Young Lady may join the YL net. Those who do not yet have a license may join in with the help of another ham who is willing to serve as the control operator.

Old Business:

Email - Don N5ENQ has developed a listing of all the members with email addresses. He sent a meeting reminder to those on the list and comments from several members who had received the notice indicated that it was well received. So if you have an Email address send it to Don at: n5enq@juno.com.

Repeater - Ron Ernest WB9DAF reported that the controller is in and that everything works except the radio receiver. He has been unable to get the receiver to work but, will continue to look for the problem. He brought in the controller to show the group, and both he and John are pleased with the choice of controllers.

Club Call - Don N5ENQ reported that the vanity call we had hoped to get has been issued to someone from another state. He stated that as far as he could tell there were several pretty good call signs available. They are one by three, but have a good relationship to the club. They are W5CAR, K5CAR, N5CAR, N5COK, and K5COK. He will make the application for the call in the order listed here. Hopefully we will get one of these.

Telescoping Pole - Bill KC5ICR reported that he has looked at several telescoping Poles for the field day antennas and has found one in that seems to be much stronger than the

rest. He will bring the catalog to the next meeting to show it to the members and perhaps obtain approval to order the pole.

Video Tapes - Bill KC5ICR stated that the ARRL Video Training Tape which was ordered by Chuck KC5EZZS has arrived and will be available for review at a future meeting.

New Business:

Don N5ENQ - Brought up the subject of Field Day and the following items were discussed:

Bill N9SQV has agreed to contact Police Chief High Gilbert of Nicoma Park to see if we can once again use that facility for the Field Day. He reminded the group that last year he had set that date and then it had to be changed. Don N5ENQ stated that the correct dates are June 28 and 29, 1997.

Duane KA5WRG stated that he will bring the new logging software and a lap top computer to the next three meetings and conduct training on using the software so that all members will be able to work the logging program and participate in Field Day.

The meeting adjourned and members relocated to Braum's for a social gathering.

73 de Bill, N9SQV

1631 SE 15th

677-9001

Skyline Restaurant

"country cooking"

Bryan, Cindy, Jennifer and Jessica

April 13 to May 18, 1997 Schedule of Events:

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
13 1:30 p.m. Wheatstraw	14	15 7:30 p.m. OCAPA	16	17 5:30 p.m. VHF Club	18 6:30 p.m. EARS	19
20	21 6:00 p.m. CORA VE Exams 7:00 p.m. CARC	22 7:00 p.m. Shawnee VE Exams 7:30 p.m. CORA	23	24	25 C&E Deadline 	26
27	28	29	30	1 7:00 p.m. Aeronautical Center 7:30 p.m. CARA	2	3 10:00 a.m. Ada ARC
4	5	6 6:30 p.m. LFSARC	7	8 7:00 p.m. Altus Area ARC	9	10 9:00 a.m. VE Exams (RSC) 09:30 a.m. SCARS
11 1:30 p.m. Wheatstraw	12	13	15	16	17	18

CONGRESS TO FCC: TAKE TV FOR EMERGENCY RADIO

Late word that 46 members of the U.S. House of Representatives have asked the FCC to reallocate four television channels to emergency service operations. The request comes in a letter to commission Chairman Reed Hundt, on Wednesday, March 12th. In it, the lawmakers say that they want to see increased spectrum for police, fire, crisis management and rescue operations.

The request is bi-partisan. It comes from 24 Republicans and 22 Democrats who want the FCC to reallocate four current UHF television channels between 60 and 69 for exclusive use by public safety officials.

The broadcasting industry has routinely opposed similar offers. Most recently broadcasters said no to proposals made by President Bill Clinton and by Senate Commerce Committee chairman John McCain, of Arizona for a similar service.

But Representative Curt Weldon, of Pennsylvania says the new spectrum is badly needed. Weldon is a former volunteer firefighter and is currently co-chairman of the Congressional Fire Services Caucus. He says that allocating additional frequencies would reduce congestion and help agencies better communicate with one another.

So the big question, Will the commission act on this congressional mandate? As we go to air, Chairman Hundt has not yet publicly responded to this reallocation request.

(Via Congressional Watch)

Jim Nolen
Enrolled Agent

Jimmie Nolen
Steve Moore

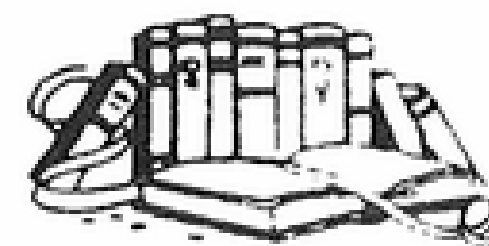
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