

Collector & Emitter

A CORA Publication

October 1995

Volume 21, Number 10

Issue 248

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Postmaster See Page 2
For Postal Information

Second Class Mail

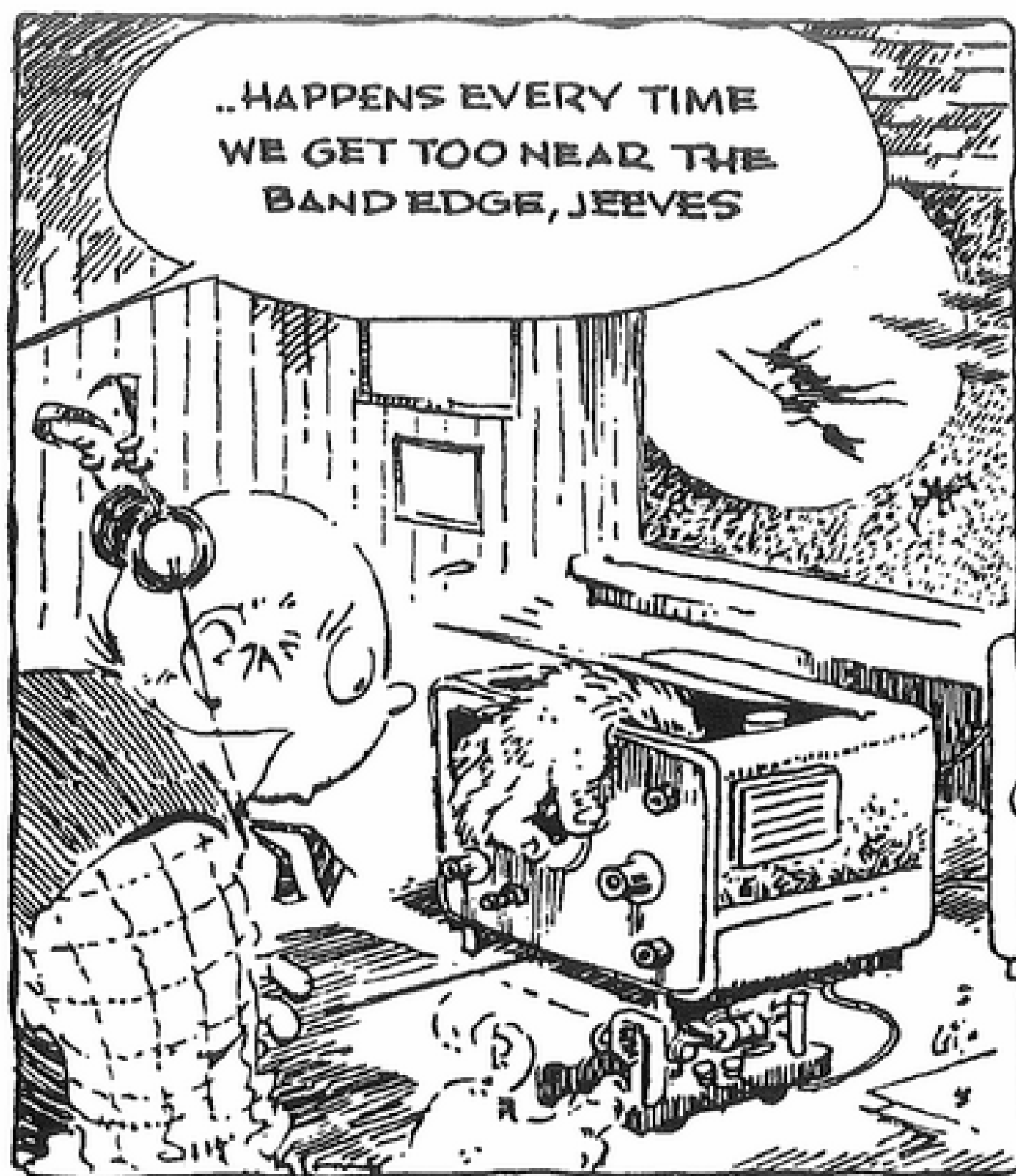
Dr. Suess Writes Tech Manuals?

Simulated Emergency Test

Prepare For the Worst

Ht Saves Ham's Life

See ARRL Bulletins



FCC Sending Renewal Notices

ZL Land Says Yes To No Code

Company Memo

Look Into The Past

How To Build A Home Computer

Collector & Emitter**Harold C. Miller, KB1ZQ****Editor****Linda G. Miller, N1LPN****Circulation Manager****Central Oklahoma Radio
Amateurs, Inc.****President: Harold Miller, KB1ZQ****V Pres: Louis Kennedy, KC5ABI****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:

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

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

Dear Secretary / Treasurer:

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

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1. Aeronautical Center ARC Meets: 1930L, 1st Thursday, FAA, S. MacArthur, OKC Pres: Bob Kremer, WA9FCT 381-3182 VP: Chuck Bryant, KB5ZVZ 737-0423 Sec/Tr: Brad Nelson, KJ0W 793-9470 Editor:	11. Edmond Amateur Radio Society Meets: Odd Months, 1400L, 3rd Sunday, Edmond EOC, Even Months, Dinner, 3rd Friday Pres: John Thomason, WB5SYT 340-1798 VP: Richard Winnard, KJ5QU 840-4237 Sec: Ken Stepp, N5DBM 341-7651 Treas: Sue Snyder, N5VWI 341-8753 Editor: Richard Winnard, KJ5QU 840-4237
2. Oklahoma Central VHF ARC Meets: 1100, 3d Saturday, Ashley's Country Kitchen 1-40 & SE 15th St, Del City Pres: Jackolyn Olsen, KA5ENU VP: Ken Eason, KF5JS Sec: Joe Buswell, K5JB 732-0676 Treas: Ellard Foster, W5KE 789-6702 Editor: Joe Buswell, K5JB 732-0676	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 N.W. 50th and Penn, OKC (Back Door) Pres: John Brassfield, N5SAM 685-8070 VP: Loyd Hargrove, AB5I 391-5723 Sec: Jim Richardson, N5OHL 524-0456 Treas: Bob Kremer, WA9FCT 381-3182	15. South Canadian ARS Meets: 0930L, 2nd Saturday, Red Cross Bldg North OU Campus, Norman Pres: Dick, N5XRD 360-7015 VP: Don Bryer, KJ5KB 321-1673 Sec: Keith Miller, KB5FCI 329-2213 Treas: Bill Baker, N5UMH
9. Wheatstraw Amateur Radio Club Meets: 1430L, 2nd Sunday, Location Varies Pres: Leo Peil, WZ5H 886-2998 VP: Jimmie E. Payne, N5VDY 233-4215 Sec/Tr: Joe Garland, WA5FLT 893-2660 Editor: Ralph Wilder, WA5PFK 623-5421	Central Oklahoma Radio Amateurs Meets: 1930L, 4th Tuesday, Salvation Army Bldg N.W. 50th and Penn, OKC (BackDoor) Pres: Hal Miller, KB1ZQ 672-7735 VP: Louis Kennedy, KC5ABI Sec: Forrest Rush, N5VWF Treas: Perry Jenkins, KB5TOT 354-5075 Editor: Harold Miller, KB1ZQ 672-7735

CONTENTS**On the Cover: Halloween, Night of Tricks and Treats...**

Central Oklahoma Radio Amateurs, Inc.	3
From the New CORA President.....	4
Chit Chat	5
Not Only The Ozone In Danger.....	6
What If Dr. Suess Did Technical Training Manuals?.....	6
In The Spotlight - OKVHF.....	7
Announcements.....	7
Upcoming Hamfests.....	8
South Canadian Amateur Radio Society.....	9
SET Exercise Set.....	9
Morse Code Abbreviations.....	10
Edmond Amateur Radio Society.....	11
Wheatstraw Minutes and News	12
VHF Club Minutes and News	13
Oklahoma City Autopatch Assn.....	15
A. R. R. L. Bulletins.....	16
Amateur Radio Newline.....	18
Word Search and Cryptoquote.....	20
Company Memo.....	21
Statement Of Ownership, Management, and Circulation.....	22
Look Into Our Past: One Autumn Night In Norman.....	23



CENTRAL OKLAHOMA RADIO AMATEURS, INC.

Minutes of the September 26, 1995 Meeting

The meeting was called to order by Chuck K5NK at 7:30. Six officers were present with 6 clubs represented and 22 people in attendance.

The minutes of the August 22 meeting were distributed and approved. The treasurers report was given and approved.

OLD BUSINESS: The selected scholarship applications for CORA were lost, after being selected by the committee. EARS has handled the selection for several years, as they did in this year. The selected applications were given to someone to bring to CORA, but were misplaced and lost. **MOTION:** by Hal, KB1ZQ to carry the scholarship account forward to Ham Holiday 96, seconded and approved.

C&E: Hal KB1ZQ, C&E Editor, reminded us that articles for the C&E can be sent to him and Linda on packet, on floppy disk, and on America on Line @ n11pn@aol.com. Hal also reminded us that address corrections must be made as soon as possible thru the club treasurer. The December C&E will again feature local stories about Christmas, recipes, and joyful things.

NEW BUSINESS: The VHF Club is sponsoring a cookout at Lake Thunderbird at Little River Park in Clearbay grounds on October 14. Bring what your family will eat and enjoy the fellowship.

Chuck K5NK turned the meeting over to Britt Lockhart N5RHD for officer elections. With nominations and volunteers from the floor for the office of: President - Louis Kennedy KC5ABI - who withdrew

Hal Miller KB1ZQ who was elected by acclamation

Vice President - Forest Rush N5VWF
Louis Kennedy KC5ABI who was elected
Secretary - Forest Rush N5VWF who was elected by acclamation

Treasurer - Perry Jenkins KB5TOT was re-elected by acclamation

With election completed, Britt returned the meeting to Chuck K5NK for further business.

MORI - After much discussion concerning MORI and the problems that have evolved from their decisions towards CORA as well as the C&E mailing requirements, **MOTION** - from Don KI5TP that under the provisions in Article 3A and Article 5A, that the Mid Oklahoma Repeater Inc club be excluded from CORA until they come into compliance, then they will be eligible to reapply for CORA membership. Seconded by Jerry KJ5KP and approved.

MOTION by Don KI5TP for the effective date of exclusion to be September 26, 1995. Seconded and approved.

Meeting adjourned at 9:15.

John Brassfield, N5SAM
CORA Secretary

From the New CORA President

Dear CORA members,

At the September 1995 CORA meeting, elections were held for the 1995-1996 Officers of CORA. I am Hal, KB1ZQ the new President of CORA. I will remain as Editor of the C&E, I'll will just be wearing two hats, so to speak. I have already started implementing some plans that will hopefully help CORA continue to grow. I will need your help and ideas. Without you, the members of the supporting clubs, can CORA continue to exist?

One of the things I have already started work on is the CORA Constitution. I have already contacted several highly respected hams in our community and together they will review our constitution. They will bring their recommendations to the CORA Board sometime this fall. I have complete faith in this committee because they have the knowledge and expertise necessary to tackle this task. It has been over ten years since any real revisions have been made on our constitution and it is long over due.

Ham Holiday '95 was a success, as we sold out of all of our tables and booths. I would like to get started on Ham Holiday '96 and work on making it even better. I feel we have the ability to bring the ARRL Convention back to OKC once more. This will require hard work and people dedicated to make this happen. We need the clubs to become more involved and to help with programs, both Technical and Non-technical; We need to have programs that will interest non-hams, beginners and advanced hams. In the ham community we have the expertise but it does us no good if it is not put to use here. We need your help!

Due to the Ham Holiday fliers, we have received calls from other clubs wishing more information about CORA and the C&E. I have been invited to attend the October 7th ham club meeting in Ada, OK. They are very interested in the possibility of joining CORA and receiving the C&E. What drew their interest was the multi-club newsletter and the price compared to the quality. Our friends in Altus have also been in contact with us. We have extended to them an open invitation to rejoin us and hope they will do so in the future. We miss them.

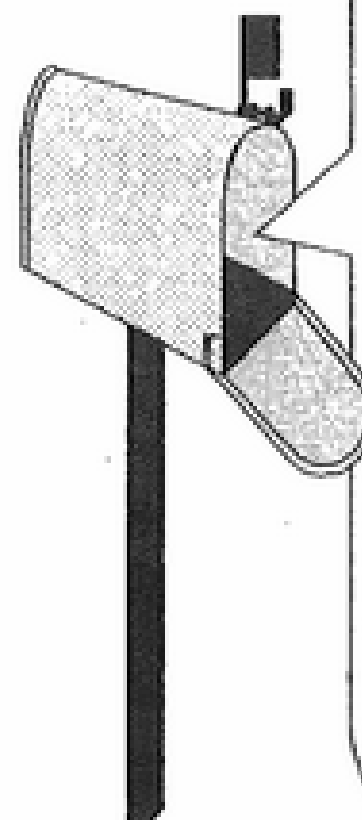
We have been in contact with other clubs that have expressed an interest in our organization and are hopeful that we will be hearing from them soon. We have also contacted clubs that were once members of CORA and have extended them an invitation to come back. Some clubs are considering becoming part of the CORA Family once more.

When I agreed to become Editor of the C&E, I had no experience and was the third one to try my hand at it since 1991. At the time, many clubs were not happy with the newsletter and were seriously considering pulling out of CORA, two clubs did. Since that time, I have heard many of you saying good things about the C&E and how proud you are of our newsletter. It took hard work, asking for advice and contributions from the clubs and members to make the C&E each month. I just organize the articles into a neat standardized format each month. It is you that make our newsletter what it is today.

Now I need your help and assistance with CORA. The same principal applies, CORA is your organization and it is up to you on which directions we will take. Come to our next CORA meeting in October. We have HH 96 to begin planning and you can meet our new officers for the coming year. United together, there's no limits on what we can do. Hope to see you there at the October meeting.

73 and Thanks,

Harold C. Miller, KB1ZQ
CORA PRESIDENT



Send Articles to C&E
Mail:
Collector and Emitter
4216 Spiva Drive
Del City, OK 73115
or
CORA
P. O. Box 95942
OKC, OK 73143
Packet:
KB1ZQ@K5JB or
KB1ZQ@K2GKK-4
E-Mail:
n1lpn@aol.com
kblzq 5@aol.com

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I	NAME		Call
Address		Apt	
City	State	Zip	
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\$	X	Total Paid	
YEARLY AMOUNT		NUMBER OF YEARS	
In the (Club Name)			
Month and Year ending: /		Date Paid: /	
YEAR/MONTH		YEAR/MONTH	
<input type="checkbox"/> \$4.80 OF YEARLY AMOUNT IS FOR A SUBSCRIPTION TO CORA'S COLLECTOR AND EMITTER			
<input type="checkbox"/> \$7.00 for Individual Subscription to Collector and Emitter (Funds sent directly to C&E)			
Member's Signature			
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Please fill out all the information on the slip. The Dates and Amount paid is required for Postal Regulations.

Telephone numbers are only used in the event of a question on your membership or subscription to Collector and Emitter.

Signatures are not required but requested to verify that you are aware of you subscribing to the C&E.

Thank you for your assistance

SPACE SLEEP

Now that space shuttles are flying again an upcoming mission could also hold the secret as to why its hard to get a nap in space.

Scientists will try to tackle problems that make it difficult for space travelers to get regular sleep. According to NASA, they will take part in a 16 day space shuttle mission in July, 1996 to study sleep patterns in space. Several researchers from the University of Pittsburgh Medical Center have begun training for the mission. They will try to address problems such as stress, cramped quarters, weightlessness and a busy work schedule which prevent astronauts from getting enough sleep. A spokesman for the group says that the study also will try to determine how weightlessness affects sleep and how changes to the body's rhythms affect mood and the ability to work.

Lets hope that the scientists trying to solve the problem never learn the meaning of the two letters DX!

CEPT LICENSE GROUP CHANGE

In news from the European continent, word that John Bazley, G3HCT has agreed to take over as interim chairman of the IARU Region 1 Common Licensing Group following the untimely death of Jaap Dijkshoorn, PA0TO. Bazley, who is a past President of the RSGB, is a serving Council Member and Secretary of the Society's Licensing Advisory Committee.

Chit-Chat

Hi! Fall has finally arrived in Oklahoma. Some stores are already setting up their Christmas displays and holiday merchandise!!! I am waiting for them to begin saling Christmas items in the month of July. It seems that many businesses are now in a race to see who can tempt you to part with your hard earned money first. I avoid the malls after the 1st of November. I try to have all of my holiday shopping done by the end of October. The secret I have is that I give mostly hand-made gifts and very few store-bought ones.

In the news recently they have been very excited over the finding of the 'fat gene'. Some doctors fear that this new finding will give people an easy excuse to stop trying to lose weight. The problem with this research is the simple truth that not all of the data is in. I know that it will be another three to five years before this research is complete.

After all of the data is in concerning the fat gene, there will be years of testing it before it is offered for public use. Right now they know it works on lab rats but not humans and are not sure if it will work on humans. Remember how long it took to get the vaccine for Chicken Pox out on the market, it took seven years.

My own doctor voiced her concerns on the news of a 'fat gene.' She is very upset right now with the 'cut out fat' movement. Many people are looking for a quick fix and there are not any where weight lose is concerned.

Her feelings are that everyone should try and eat healthy. It has been her experience over the years to monitor many individuals who attempt to battle fat. I am one of them. It has been learning experience for both of us in discovering what works and does not work for me. I wish I could tell you that losing weight is a 'cake walk' for me but it's not. It is a daily challenge and a constant battle with myself on learning when to say NO THANK YOU to certain foods!. I had to learn my own food weaknesses and to ask myself if the price I would end up paying

for eating something I knew I should not would be worth it.

With the holidays just around the corner, I would like to have you share some of your healthy recipes with us. I in turn will share with you some tricks I have learned that tastes sinful and is still good for you. The secret to healthy eating is to learn to balance your food and not to go overboard in any given area. Common sense is the key to a healthier life style.

For example, it seems that everywhere you look now days more and more products are being labeled FAT FREE or LOW FAT! One of the biggest jokes that has been played on the general public is the myth that some types of fats are okay. A fat is a fat and we must use limit the amount we use regardless on the type of fat.



Words to the wise, read the label before you buy a food product, the regular product may be healthier and a better choice. Some manufacturers remove the fat but add more sugar or salt as well as ingredients I have no idea what they are. If sugar has been increased and the fat reduced, the total calorie count will remain the same or may be higher than the regular product.

Sugar is not healthy for you and should be eaten sparingly. The reason is sugar is not a healthy food choice and there is some medical research that says sugar may be addictive for certain individuals. Eating sugar may cause you to crave more of that

sweet stuff. It has been known to increase hunger pains and thus cause the extra pounds to appear. I have even been told not to eat fruit as a snack due to the natural sugar content but should include it with my meals. A few crackers, a cup of Cheerios (without milk) or a slice of toast is a better choice for a mid day snack.

Salt is another thing we should use sparingly and you would not believe how much salt we take into our bodies unknowingly. For me and this is based on a 1500-1200 calorie food plan, I should limit my total salt intake to be no more than 520 mgs at each meal. Have you looked at the salt, sodium, count on a can of soup lately...Surprise! By my watching my total salt intake, my blood pressure has dropped 40+ points on the top and 20 points on the bottom. Talk about a shock!

I never thought limiting the amount of salt I ate would naturally lower my blood pressure that much. I hate taking pills and as long as I watch the amount of salt I consume daily, I am fine.

I will be honest with you and tell you that it is not easy to change your eating habits. I was taught in steps and it took a month before I felt secure with my food plan. My point is that there are so many ways you can eat healthier and not notice a major change. Do not trade fat for sugar and watch your total salt intake. Read labels. Call the American Heart Association and they will send you information free of charge. They have people there that can answer most questions. When you call, just ask what information is being currently offering free and that you would like to learn more about eating healthy. The American Diabetes Association has materials but they charge you for the good stuff. Still they offer a wide assortment of books and materials that are a 'must have' for anyone wanting to control their weight or eat healthy.

On most product labels, companies list a 1-800 number. It is there for you to use and to ask questions. They value you as a consumer. Many of these companies will send you free recipes, low fat if requested. They will also send you coupons to try their products and will listen to any

suggestions you may have. I recently called to ask about a can of pumpkin I bought a year ago and wanted to know what the shelf life was. My can of pumpkin is still good for another year.

As for me, I still have a long way to go before I reach goal. It will be a year January 1996 since I have been on the plan. Due to illness, I lost some weight before being on the plan. A year seems like a long time but it is not. As of today, I am down to the weight I was at in 1982! It is like going backwards in time, I have lost in 9 months what took me 9 years to put on in extra poundage! That equals to losing a year worth of fat in one month's time. I hope to be at the same weight I was in 1978 by February 1996, we will see if I make it. My dad is the one that suggested I look at my weight loss in the light of the number of years it took me to gain compared to the number of months it is taking me to get it off. it works.

Next month I will share with you again some healthy recipes and how to oven fry without all of the extra fat found in fried foods. Until then, smile! There is always someone in need of a friendly face and why not let that face be yours!

PS

In last months' A LOOK INTO OUR PAST I found out what caused the black-out. A squirrel ended up being the one that turned off the power.

Linda, N1LPN

NOT ONLY THE OZONE IN DANGER

Here is a matter of some gravity that you may wish to consider:

Consider all of the gravity of the earth that is getting used up by aircraft taking off every hour of every day. Then there are the people in sports like high jumpers and pole vaulters. Every time one of them takes off into the air, some of the earth's gravity gets used up. Especially egregious is the space program. Think how much gravity is involved when a shuttle takes off !!! NASA may well be the responsible party when we all suddenly go flying off

into space as the earth's gravity diminishes past a critical point. Why can't the scientists get to work on this because it must be just as important as the ozone hole, the use of Freon, the dangers of atmospheric warming due to the generation of CO2 by the human race and the associated flooding of seacoasts as the ice melts. I didn't mention children jumping rope, which while not of as high a level as some of the more scientific items, is quite continuous in nature. I have discussed this with one scientist and he suggests that everyone with a two story home be sure that every time they go upstairs they carry a rock and then throw it out the window to restore some of the missing gravity.

Hope you will give this information the grave concern it deserves.

73 Bob, K6BD



What If Dr. Seuss Did Technical Training Manuals?

Here's an easy game to play.
Here's an easy thing to say;

If a packet hits a pocket on a socket on a port,

And the bus is interrupted as a very last resort,
And the address of the memory makes your floppy disk abort.
Then the socket packet pocket has an error to report!

If your cursor finds a menu item followed by a dash,
And the double-clicking icon puts your window in the trash,
And your data is corrupted 'cause the index doesn't hash,
Then your situation's hopeless. and your system's gonna crash!

You can't say this?
What a shame sir!
We'll find you
Another game sir!

If the label on the cable on the table at your house,
Says the network is connected to the button on your mouse.
But your packets want to tunnel on another protocol.
That's repeatedly rejected by the printer down the hall.

And your screen is all distorted by the side effects of Gauss
So the icons in your window are as wavy as a souse.
Then you may as well reboot and go out with a bang.
'Cause as sure as I'm a poet, the sucker's gonna hang!

When the copy of your floppy's getting sloppy on the disk.
And the microcode instructions cause unnecessary RISC,
Then you have to flash your memory and you'll want to RAM your ROM.
Quickly turn off the computer and be sure to tell your mom!

Enjoy... if you can! It's got a nice beat... don'tcha think?
73, Stan, WA2PUQ @
KB2OEG.FN21TL.NY.USA.NOAM

In The SPOTLIGHT

This month we will Spotlight the Oklahoma Central VHF Amateur Radio Club. Next month the club we will spotlight is ACARC.



The Oklahoma Central VHF Amateur Radio Club, usually known as the VHF Club, was formed in July 1957 at the same time that the technician license was gathering popularity. Originally known as the Oklahoma Central 6 Meter Net, the Club was formed when there were only two other clubs in the Oklahoma City area. One was the Aeronautical Center Amateur Radio Club, still flourishing, and the other was the Oklahoma City Amateur Radio Club, now extinct.

At its peak, there were over 100 members of the Six Meter Net. Most of them lived within driving distance of the club house. In total, there were as many as 288 names in the six meter net directory which listed operators who were within direct wave range of Oklahoma City.

Some of the highlights of the Club's past include frequent caravans and other social activities, and the bang-up sunspot peaks like the one in 1958 that really livened up six meters. The Club has always performed public service as one of its prime chartered purposes. The Club campaigned in its early days to get the 2 meter band opened to technician class licensees.

The Oklahoma Central VHF Amateur Radio Club received its Oklahoma Certificate of Incorporation March 17, 1965, and I presume started about that time to operate with that name.

At one time, the VHF Club adopted the Oklahoma City Emergency Operating Center and arranged for equipping and staffing the communications center with multi-band amateur radio equipment and operators. Also the Club installed some of the County Civil Defense radio equipment. Prior to the arrival of 2 M FM, the Club equipped and staffed the U.S. Weather Service Office at Will Rogers field during periods of bad weather. The frequencies of 50.525, and later, 50.50 MHz (the change occurred with incentive licensing) were the places to listen to find out what was going on.

VHF Club members put the Oklahoma City Red Cross headquarters in initial radio contact with the world. Club members installed radio equipment including towers and antennas, and the radio room furnishings. Members provided the funds and sought the good deals, including loan of surplus equipment by members of the Aeronautical Center Club.

The Club has since turned its support more directly to Oklahoma State Civil Defense, supporting radio operations at that office.

My own initiation in net operation began with the old Nite Owl Net which met every night on 50.25 (or 50.50) MHz. Net control was selected by toss of the coin, or by whomever wanted to do it. The net control station would spend the evening twisting the beam around to catch the Heathkit Sixers, 50 miles out. I didn't have the luxury of a beam for quite a while; a turnstile served my purpose. W5HXL liked them and talked me into building one. He claimed they worked equally poor in all directions! He, in fact, had two of them vertically stacked and fed in phase.

Single sideband broke up that old gang of mine. The new fangled rigs just weren't compatible with the unstable 6A3 (AM) rigs that were common. Separate net frequencies were established for the new A3J rigs but as the numbers became divided, they also dwindled; much of the gang drifted off to HF land.

Then came the 2-meter repeater. First there was a division of opinion about the legality of the things. The conservatives felt that since they were not mentioned in the regulations, they must not be legal. The liberals felt that since they were not prohibited, they must be legal.

The Club now hangs out on the K5VFN CD repeater on 145.41, and many of the members can be found during the net that meets every Thursday evening at 7:00 p.m. The Club's station call is W5LOW.

The Club currently meets at Ashley's Country Style Cooking, at I-40 and S.E. 15th at 11:00 a.m. for lunch -- with business meeting at noon -- on the third Saturday of each month. Meeting locations are chosen from month to month, and some meetings are replaced by special events, so members and guests have to check the C&E for the next month's plans. Guests are welcome at the meetings (which are kept short to not interfere with eating). Club dues are currently \$6.00 per year, which is a bit steep for typical impecunious hams, but what da hay! You gotta keep the riff-raff out!

Well, that is about it for the Club's thumbnail sketch. If I don't have all the facts straight you "Old Timers" can fire me!

Joe, K5JB

-----ANNOUNCEMENTS-----

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

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

VE exams on 1st Sunday of each month sponsored by M.O.R.I. 1400 @ radio station KOMA, 820 SW 4th Street, Moore, OK

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

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

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

VE exams on the 2nd Sunday of odd numbered months. Sessions are held at the OSU campus in the Engineering North Building, Room 316. Sessions begin at 1500. Contact K5KC at 405-377-7586 for further details.

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

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

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

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

EARS is sponsoring Amateur Radio Classes Sundays starting at 2:00 p.m. at St. John, the Baptist Catholic Church. Call Frank - 341-1124 or Club Station - 359-4386(Leave Message)

UPCOMING HAMFESTS

SALT PLAINS ARC HAMFEST & Covered Dish Dinner
Sunday, October 8, 1995 beginning at 9:00am-??? Location is the Community Building, Great Salt Plains Lake. Talk in frequency is 147.300+ offset. This a family affair. You are invited to bring stuff to swap or sale and your favorite food.

1631 SE 15th

677-9001

Skyline Restaurant

"country looking"

Bryan, Cindy, Jennifer and Jessica

ARRL Bulletin 88
September 25, 1995

FCC ISSUED CALL SIGN UPDATE

The following is a list of the FCC's most recently issued call signs as of September 1.

District	Group A Extra	Group B Advanced	Group C Tech/Gen	Group D Novice
0	AA0ZA	KG0YW	++	KB0TVP
1	AA1OJ	KE1CX	N1VTZ	KB1BTW
2	AA2YK	KG2DW	++	KB2VRO
3	AA3MK	KE3US	N3WAX	KB3BKX
4	AE4LW	KT4CY	++	KF4DBD
5	AC5EQ	KK5SM	++	KC5QOW
6	AC6PM	KO6ZL	++	KE6YHD
7	AB7ML	KJ7QY	++	KC7MYR
8	AA8UQ	KG8TG	++	KC8AXZ
9	AA9QB	KG9DX	++	KB9LLB
N. Mariana	KH0S	AH0AW	KH0ED	WH0ABC
Guam	WH2Q	AH2DA	KH2QQ	WH2ANN
Johnston	AH3D	AH3AD	KH3AG	WH3AAG
Midway	++	AH4AA	KH4AG	WH4AAH
Hawaii	++	AH6OE	++	WH6CYA
Kure	++	++	KH7AA	++
Amer. Samoa	AH8O	AH8AH	KH8CJ	WH8ABE
Wake	AH9C	AH9AD	KH9AE	WH9AAI
Alaska	++	AL7QF	++	WL7COU
Virgin	WP2U	KP2CH	NP2IK	WP2AIA
Puerto Rico	++	KP4ZY	++	WP4NBC

++All call signs in this group have been issued in this area.

ENID HAMFEST

NOVEMBER 4, 1995

8 A.M. - 5 P.M.

GARFIELD COUNTY FAIRGROUNDS HOOVER BUILDING

W5YI TESTING 1 P.M.

FREE COFFEE & DONUTS (A.M.)

FREE HOTDOGS & COLA (P.M.)

FREE COVERED DISH BANQUET 7 P.M.

PLENTY OF FREE PARKING

RV PARKING AT FAIRGROUNDS

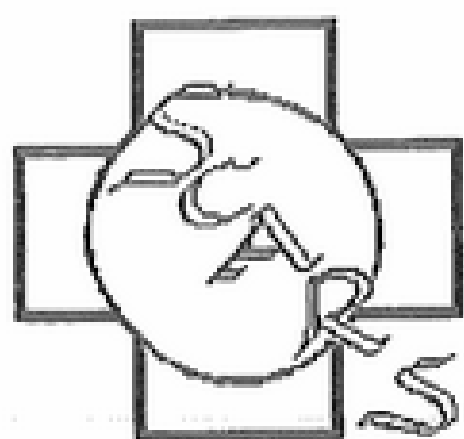
TALK-IN 145.29 OR 444.400

FOR MORE INFORMATION CONTACT

FRED, N5QJX TOM, N5LWT DICK, N5HEL

242-3551 233-8473 233-9869

EMAIL ADDRESS: ENIDARC@AOL.COM



South Canadian Amateur Radio Society

The September 9 meeting of SCARS was called to order by Don, KI5TP, acting in the absence of Dick, N5XRD. Dick is recovering from angioplasty and we wish him a speedy return.

Bill, N5UMH gave the treasurer's report.

Dorinda, N5IUA told us of the latest developments in the movement to charge amateur radio stations the residential rates for repeater phone service, instead of business rates.

Louis, KC5ABI reported on the last CORA meeting and reiterated the need for member clubs to step up and participate.

Don and Jerry, W5MCJ let us know where we stand in the process of getting a vanity call sign.

In view of the resignation of Mike, N5SOF as Vice President, and Don, KJ5KB filling in and the recent surgery of President Dick, N5RXD, it was moved and seconded that Don, KI5TP preside over the remaining club meetings this year till our next election. The efforts of both Mike and Dick were mentioned and appreciated.

Our repeater woes were discussed. It appears an audio board has gone south, but repairs will be made ASAP. The UHF machine can help take up the slack and the N5MS repeater on 146.88 is available locally as well.

The drawing was held and Louis, KC5ABI won the shortwave portable radio.

The VE crew announced it was time for the monthly testing and the meeting was adjourned.

Submitted by Bill, N5UMH in the absence of Keith, KB5FCI

SET EXERCISE SET

Hello all Amateur Radio Operators; It sure has been a fast summer. The weeks and months have just zipped by and it is that time of the year again. It is SET time so let us get set for that. SET is SIMULATED EMERGENCY TEST, a mock drill for training. We strive to come as close to an actual disaster situation as possible. April 19, 1995 is still with us and will be for years to come, but we must learn from the past and turn to the future. Striving to be better prepared for future disasters. Again I thank all of you that had any part whatever in the bombing disaster.

The SET will take place on Saturday October 21, 1995. Please mark your calendar and plan your other activity around that date. Please remember that I am always concerned about having ample resources to fulfill the needs of all the agencies we are called on to support. My most valuable resource is you, the Volunteer. I know that when I have you, I will have radios and antennas.

On the SET date, please turn on your radios early and monitor 146.82/22, 146.07/67, 145.41/144.81, check in and stand by for instructions. Net control station will be on the 82/22 machine. Check in with net control.

If you are a NON-ARES amateur that participated in the April disaster, we appreciate you very much and we will always take all of you we can get, but let me appeal to you to consider signing up with ARES. The reason being, it will help you and all of us to work together more effectively. Having a part in whatever activity you can participate in, on the net and other things such as drills. We get to know each other and what to expect. It

makes the operation run much more smoothly. In addition to that, it helps me to better work and serve you and my superior ARES officials to know that I have a large pool of trained personnel.

To all of you that are new licensees, we want you so come on into ARES and you will be one of a great team. Just call me any time at 634-5235 and I will answer your questions and give you an application and any help you need. There are others that can do the same. Just ask one. There is no hard set participation requirements per say. That is no minimum amount of time required you do what you can, when you can. Of course as always, in any organization, when you register, that is in it's self a commitment. The more participation the better for all.

Also there are an abundance of ARES OFFICIAL POSITIONS where in you can fulfill any aspirations you might have to serve the public and amateur radio. There is always a need for these. To be an official, you are required to be an ARRL member as well as ARES member. In light of this I want to refer you to the national amateur radio magazine, QST. Look in the contents for PUBLIC SERVICE and read the articles from time to time. If you don't get QST, then find a friend and read his. Please read the articles in the March issue. The one in August is by Hal, KB1ZQ on our disaster. September will give you an insight to my responsibilities as OK. County Emergency Coordinator. Especially, read October issue as EMERGENCY READY KIT is the hot topic right now in ARES group.

Remember, check in with us on ARES NET Thursday nights at 2000 hrs. All are invited. Also visit us during our open house on the second Saturday of each month at 0800 -- 1000 ish. For check in on net, the freq is 146.82/22 and 3900khz HF. See you and hear you around. This is at SALVATION ARMY HEADQUARTERS building N.W. 50th and Penn.

73

Jim, K5PER
OK. County EC

Morse Code and Abbrviations

Morse Code Table

A *-	N -*	1 *----	*_*_*_
B -***	O ---	2 **---	---**
C -*_*	P *_-*	3 ***--	? **_**
D -**	Q --*_	4 ****-	(*_-*
E *	R *_*	5 *****) _*_*-
F **_*	S ***	6 -****	- _****-
G --*	T -	7 --***	" *_**_*
H ****	U **-	8 ---**	**_**_
I **	V ***-	9 ----*	' *_----*
J *---	W *--	0 -----	: ---***
K -*-	X -**-	/ -**_*	: *_**_*
L -*_--	Y -*_--	+ *_*_*	\$ ***_***
M --	Z --**	= -****-	

Procedural Signals (Prosigns) for Morse Code

C Q	Calling any station (does any ham *not* know this one?)
AR	"+" over, end of message
K	go, invite any station to transmit
KN	"(" go only, invite a specific station to transmit
B K	invite receiving station to transmit
R	all received OK
AS	please stand by
SK	end of contact (sent before call)
C L	going off the air (clear)

Q Signals (or Q Abbreviations)

Q Signals take the form of a question only when each is followed by a question mark.

QRG	Will you tell me my exact frequency (or that of ___)? Your exact frequency (or that of ___) is ___ kHz.
QRH	Does my frequency vary? Your frequency varies.
QRI	How is the tone of my transmission? The tone of your transmission is ___. (1. Good 2. Variable 3. Bad)
QRJ	Are you receiving me badly? I can not receive you. Your signals are too weak.
QRK	What is the intelligibility of my signals (or those of ___)? The intelligibility of your signals (or those of ___) is: (1. Bad 2. Poor 3. Fair 4. Good 5. Excellent)
QRL	Are you busy? I am busy (or I am busy with ___). Please do not interfere.
QRM	Is my transmission being interferred with? Your transmission is being interferred with ___. (1. Nil 2. Slightly 3. Moderately 4. Severely 5. Extremely)
QRN	Are you troubled by static? I am troubled by static ---. (1-5 as under QRM)
QRO	Shall I increase power? Increase power.
QRP	Shall I decrease power? Decrease power.
QRQ	Shall I send faster? Send faster ___. (WPM)

QRS	Shall I send more slowly? Send more slowly ___. (WPM)
QRT	Shall I stop sending? Stop sending.
QRU	Have you anything for me? I have nothing for you.
QRV	Are you ready? I am ready.
QRW	Shall I inform ___ that you are calling on ___ kHz? Please inform ___ that I am calling on ___ kHz.
QRX	When will you call me again? I will call you again at ___ hours (on ___ kHz).
QRY	What is my turn? Your turn is numbered ___.
QRZ	Who is calling me? You are being called by ___ (on ___ kHz).
QSA	What is the strength of my signals (or those of ___)? The strength of you signals (or those of ___) is ___. (1. Scarcely perceptable 2. Weak 3. Fairly good 4. Good 5. Verygood)
QSB	Are my signals fading? Your signals are fading.
QSD	Is my keying defective? Your keying is defective?
QSG	Shall I send ___ messages at a time? Send ___ messages at a time.
QSK	Can you hear me in between your signals and if so, can I break in on your transmission? I can hear you between my signals; break in on my transmission.
QSL	Can you acknowledge receipt? I am acknowledging receipt.
QSM	Shall I repeat the last message I sent you, or some previous message? Repeat the last message you sent me [or message(s) number(s) ___].
QSN	Did you hear me (or ___) on ___ kHz? I did hear you (or ___) on ___ kHz.
QSO	Can you communicate with ___ direct or by relay? I can communicate with ___ direct (or by relay through ___).
QSP	Will you relay to ___? I will relay to ___.
QST	General call proceding a message addressed to all amateurs and ARRL members. This is in effect, "CQ ARRL".
QSU	Shall I send or reply on this frequency (or on ___ kHz)? Send a series of Vs on this frequency (or on ___ kHz).
QSW	Will you send on this frequency (or on ___ kHz)? I am going to send on this frequency (or on ___ kHz).
QSX	Will you listen to ___ on ___ kHz? I am listening to ___ on ___ kHz.
QSY	Shall I change to to transmission on another frequency? Change transmission to another frequency (or ___ kHz).
QSZ	Shall I send each word or group more than once? Send each word or group twice (or ___ times).
QTA	Shall I cancel message number ___? Cancel message number ___.
QTB	Do you agree with my counting of words? I do not agree with your counting of words. I will repeat the first letter or digit of each word or group.
QTC	How many messages have you to send? I have ___ messages for you (or for ___).
QTH	What is your location? My location is ___.
QTR	What is the correct time? The correct time is ___.



Edmond Amateur Radio Society

Greetings from "EARS" October, 1995

Howdy. Howdy. from your EARS friends. How about that Fall weather! Does that put a smile on your face? Yea. I know a lot of us have been taking ourselves a little to seriously. haven't we... and to think that Halloween is just a few weeks away. You are right some of us already have put on our costumes. I apologize for no EARS installment last month. No excuse. no reason. just didn't do it. Been there. done that. (Correct statement, wrong application). Better move on before the errors mount up. We are not going to start talking about horse riding. are we?

October Birthdays

1 st	J. D. Kneeling	KF5TM
7 th	Linda Miller	N1LPN
16 th	Jana Thomason	N5KMJ
20 th	Kyle Granger	KB5KIN
21 st	Kathleen Sterns	KB5KIJ
25 th	Bill Wilburn	N5NUK
25 th	Dee Mize	WD5FHR
28 th	Ken Stepp	N5DBM

Happy Birthday to all of the above!!

1995 Licensing Classes

We have a beautiful large group of individuals who are in our licensing classes being held at St. John the Baptist Catholic Church. The Classes started September 10th. with current enrollment of about 40. Frank, AA5GI, reports the club support with teaching, greeters, furniture arrangers and errand runners. You can show the class. Frank and support staff a great deal of morale boost by coming by the church about 1:45 p.m. on Sundays to help. You will make some

new friends, contribute to some folks getting licensed, and feel the pride of being part of the team.

We do Want to thank Rick Tasetano for his super job in promoting the EARS classes. He did a great deal for EARS and the Amateur Radio community. Rick, we appreciate your loyalty to us and creative skill in marketing amateur radio. It was good to have you. Rick, for the first day of classes, your words of encouragement to the class (and instructors) was well received. We set up and operated the club station in demo fashion, with Dee, WD5FHR in the pilots seat, for the class. Seemed to go pretty darn well, nothing like running a little health and welfare traffic in a demo opportunity. Jim, N5OHL provided us a slick little 80 and 40 meter dipole which worked beautifully. It is to all who are helping with the class and will help make the Fall licensing class a club-wide effort.

Board Meeting

On September 17th, the monthly board meeting was held just previous to the club meeting. We now have Kevin Means, N5USQ as the club's emergency coordinator. Kevin, it is nice to have you on our team.

We all know you will do a great job for EARS and the community. Please give Kevin your support, availability, and "we can do it" attitude, because I know he will give these values of his to us. (He already has.) The Board approved the purchase of a TNC for the club station if one cannot be located, otherwise.

Club Meeting

The September business meeting was well attended, energetic and seemed to be charge-up by the large licensing class which was being held "just down the hall", so to speak. We welcomed several new club members, covered some club business, laughed a bit, and tried to keep the topics moving before those in attendance did. Lee, KA5WIS demonstrated the repeater's controller by having it announce a performance and usage chronology. Quite an intelligent

piece of equipment -- (the controller). Forrest, N5VWF had a great idea about the club station. He suggested we put the station on the air on one of the contest weekends as a way to make the club station available and expand its utility.

Crop Walk

EARS was a major contributor to the on-site organization and communication of the September 24th, Crop Walk which was held at Hefner Park. It was a 6.3 mile walk. The weather was cool and cloudy, then sunny, then overcast. Nonetheless, the walkers enjoyed themselves, as did we. A nice group of EARS members gave up their Sunday afternoon to be of community service. Those who helped included:

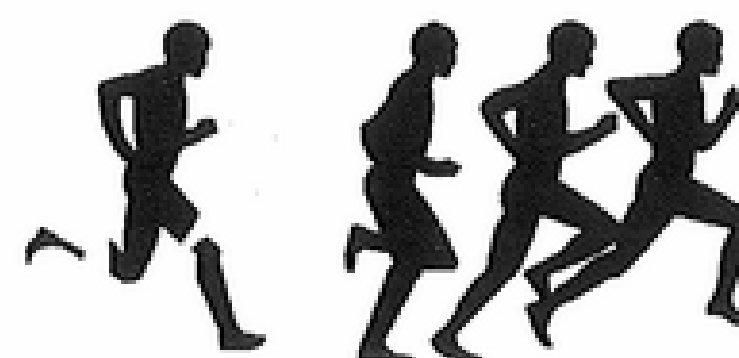
Enest Wolf	K5YKD
David Wolf	KC5KJE
Clara Granger	KG5UG
Don Waits	N5KLI
Toni Winnard	KK5LH
Richard Winnard	KJ5QU
Sue Snyder	N5VWI
Ken Snyder	N5TWC
Matt Hohman	KC5QQG
Kevin Means	N5USQ
Dee Mize	WD5FHR

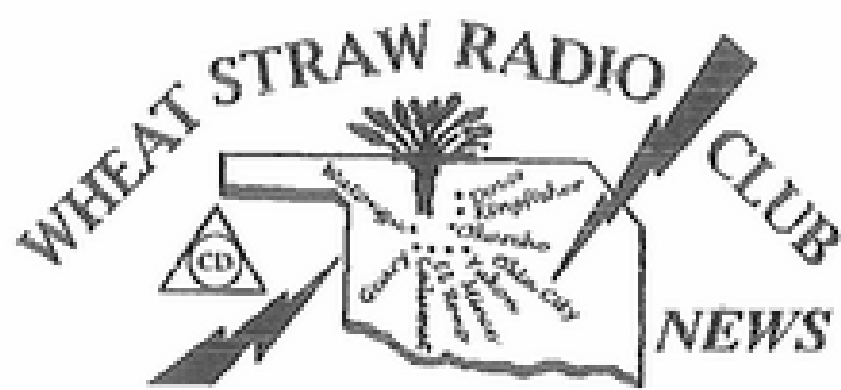
Upcoming Events

- October 7th - Saturday, 12:00 Noon Siren Test
- October 11th - Wednesday 7:00 p.m. Board Meeting, Club Station
- October 14th - Saturday, UCO Homecoming Parade
- October 21st - Saturday, 1:00 p.m. Club Picnic, Hafer Park

73

John, WB5SYT





Minutes of Wheatstraw Meeting

The September 10, 1995 meeting was called to order by our president Leo, WZ5H. All officers of the club were present. There were twenty one members and one visitor present.

The visitor was Vera Hladik from Dover OK. Vera and her husband moved there in 1967 and she has lived there ever since. Her husband passed away in 1993. For over thirteen years the two of them ran a bakery in Dover. Years back Vera made cinnamon rolls, Kolaches, and other baking foods for Okarche. Stu, K5DSR, said, that the truckers passing through would tell other truckers, "When you pass through Dover, stop at the bakery, drink coffee, and eat some of those delicious rolls." It wasn't too long before the regular trucks that passed through Dover all knew Vera and her baking. The baking for Okarche was during their winterfest. During that time she baked sometimes day and night.

Vera has no interest yet in amateur radio, but is just a good friend of Wanda, KC5GTW. She does enjoy going over to Wanda's house and listening to the Wheatstraw net. Vera has two sons living in Enid and a daughter outside of Dover. All children are married and have children of their own. Welcome back any time, Vera.

Joe, WA5FLT, read the minutes of the August meeting which were approved as read. He remarked that the minutes were written so good it was going to be hard for him to read them. Johnny, K5GBN, wrote the minutes in the absence of Joe.

Margaret, WA5RLP, asked where our annual Christmas dinner was going to be this year. Tom, N5IKN, made a motion that we have a Christmas dinner at the End-O-Main if available. Seconded by Neal, N5KCO. Motion carried. Ralph, WA5PFK, will check to see if the End-O-

Main in Watonga is available. If it is not, Ralph will see if we can arrange to have the dinner at the American Legion Hall. Ralph is to check and let it be known on the Wednesday night net. The dinner will be served at one of the places, and start serving at 1:30 P.M.

The technical committee talked about getting the new antenna up on the tower. Just maybe we can get Ted, WD5JNT, roused out for the job. When it gets changed out we hope things will be a lot better.

Leo, WZ5H, and Ray, AB5Z, reported on Earnest Martin, N5KQF. Ernie has been under the weather, having some heart trouble. I wish the best for him and I am sure he would appreciate a get well card or hearing from any of you.

Ralph, WA5PFK, invited the Wheatstraw veterans and spouses to a dinner starting at 1:00 P.M. Saturday, September 23, 1995 at the Legion Hall, 1/2 mile west of Watonga, sign on north side of highway. It is a social dinner sponsored by the Disabled American Veterans by all chapters in the fifth district.

The host of Hennessey had a drawing for two door prizes. Jim, N5VDY, first won a hand held vacuum cleaner with rechargeable battery. Second was Harold, KA5WHJ, drawing a fancy jar with several Mexican bars of soap.

The next meeting will be at Calumet, Sunday, October 8 1995. The meeting will likely be at the city hall, one block south of the stop light, then turn west 1/2 block. Check into the Wednesday night nets to be sure where it will be. If it is not there look around, possibly it will be at the Christian church.

The meeting adjourned for refreshments and a video film about the old route (66) highway. Several elderly citizens were interviewed about the old days along the 66 highway. They touched on the dust bowl days, all way out through the desert on to death valley. It is a very interesting film. It included some of the things the young people did, like cleaning off a bridge on 66 and having a dance on the bridge.

Ralph asked Leo if he planned to have an amateur school this fall if he could get enough students. Leo said, "I sure am, if enough people want to take it and classes will be on Monday nights." If you live in this area you can write to Leo Peil, PO BOX 544, Canton OK 73724-0544, or you may call him at 405 886-2998. After school is over he will round up the VEs to give you the tests. Ralph, WA5PFK

Grandparenting

For those of you who, because all our grandparents were gone before we were born, don't know what it was like to have loving grandparents, I have a thought. Maybe we can show extra love for our grandchildren, and other children, to compensate for what we missed. I thought of this while reading the following poem:

The Gift of Grandma

Such a tiny lady as she sits down to sew,
explaining things the youngsters don't know.
Telling tales that her mind plainly sees.
Events of times past, their fond memories.

Her stories continue to amaze us today.
Simple times, not complicated in any way.
Now kids seem bored with their personal toys,
Grandma remembers games, just girls and boys.

The gift of Grandma surely granted from above,
Angelic teacher, she always corrects us with love.
The family helm watching over us she does see,
Still the sunshine lighting our family tree.

A privilege to share and a dear honor to us,
Always protective over us as she makes such a fuss.
We'd do anything she asks even to this day,
Though we're grown, in her we trust and obey.

A gift so valuable we could never afford,
Such a person is surely sent from the Lord.
If her time comes and heaven calls her to stay
We'll all have her memories until united someday.

Knowing our Grandma that won't happen at all;
We may be the first to answer eternity's call.
If so, she'll sit back and rock as she sews,
Content that we're waiting for her...She knows.

Written by Dane S. Jester

I felt lots of love, yet some sadness in the poem.

Other Thoughts

If the weather didn't change now and then, most of us wouldn't be able to start a conversation.

I want my children to have all the things in life that I could never afford, and THEN I want to move in with them.

A Little Dab Will Do Ya

The flooding was so bad in South Louisiana that come Sunday morning, only one lone cowboy was able to make it to the country church. The preacher looked at him and said, "I guess since it's just you and me, we ought to just cancel the service." The cowboy replied, "Well sir, if I'm out feeding a herd of cows and only one shows up at the feed bunk, I go ahead and feed her."

The preacher thought that was pretty sound reasoning, so he stepped up to the pulpit and commenced to deliver his Sunday sermon to the cowboy. Two and one half hours later, he wound it up and looked out at the cowboy and asked, "Well, how was that?"

"When I said I fed that one cow," the cowboy answered, "I didn't say I gave her the whole load."

From Ma's Cooking Notes

Arkansas Mushroom Soup

Cook mushrooms in water- add salt to taste use a silver spoon to stir if spoon turns black throw mushrooms away. Let come to a boil and add fresh milk (End of message -- no word as what to do next -- Ralph)

Wild Rabbit Sour

Cut up rabbit and put in bowl of vingar and add salt and pepper to taste add one onion 2 tea spoons of tomatos Juice or catsup. Let stand till next day. take out and dry each piece. Roll in flower and brown in dutch oven(in lard). use about half the vingar and add water for Gravy. (You might want to talk someone else into trying this recipe first -- Ralph)

From W5YI Report

Reading in the W5YI Report The FCC will

shortly be distributing the new FCC Form 610-R Amateur Radio Station License Renewal applications to those amateurs whose licenses expire in December 1995. Originally this renewal form was to be a return card, but it has now been changed to an 8 1/2 x 11 paper form which will be able to be handled by the FCC's existing mailing equipment in Gettysburg. Strangely the form is to renew the station license, not the operator portion, which might mean that the FCC is preparing to make the operator portion a lifetime term ticket. (ARRL has already requested this handling.)

The 610-R renewal form will be imprinted with the licensee's name, address, call sign, operator class, station privileges, and effective/expiration date of the current license. The 610-R may be used only where the information has not changed. The applicant simply signs the bottom certification section and returns to the FCC in Gettysburg PA, if all the information is correct. The form states, "Check the preprinted information, shown on your license. You may correct misspelled words, but if any other information shown of your license has changed, do not file this form. You must apply for modification of the license by filing (the regular) Application Form 610."

Ralph, WA5PFK



VHF Club

NEWS

W5LOW

Elmer Goekler Memorial Station

Minutes of September Meeting

Meeting was called to order at 12:00 P.M. by Vice President Ken, KF5JS, with 13 members and guests present. The Secretary read minutes of the last meeting and they were accepted. Treasurer Ellard, W5KE, gave his report, which was accepted. Ellard also updated us on the status of the checking account signatures on file.

Bill, K5JVD, advised the group of the estate sale being held for Leonard Hanstein, W5MEL. Fred, W5NL, updated us on the

plans for showing his hedgehog, Rocky, at the picnic next month. Fred, W5NL, and J.R., KB5WVE, helped each other tell us the story of the origin of "Jerkwater town". Fred, advised us that Verachai, KC5ILM was bringing pizza to the picnic. Fred said it would be anchovy, so it should go a long way.

We decided to hold the club's business meeting at 6 P.M. at the picnic next month (see below). With all this serious business taken care of, we adjourned at 12:14 P.M.

Joe, K5JB, Sec'y

Wiener Roast

The wiener roast will be held in the second weekend in October at Lake Thunderbird. Charlie, WA5JGU, and Bob, W5HXL, will be working on the details. In general, it will be held on Friday through Saturday night, October 13-14, at the Clear Bay Area, of Little River State Park, which is located off Highway 9, west of the dam. This will be a BYOW (bring your own wiener) affair. Firewood will be furnished, courtesy of the thunderstorm that wrecked Charlie's yard. The monthly club meeting be combined with the wiener roast and be held at 6:00 on Saturday night.

This event is not only for VHF Club members. All amateur radio operators and their families are welcome. Come on out!

Joe, K5JB

Handy Dandy MFJ-259 SWR Analyzer

I was introduced to the MFJ-259 HF/VHF SWR Analyzer by Gene, K5DLE. He used his to sweep the communications antennas on the airplane and I was pretty impressed with its ease of use and put one on my list of things to get at Dayton. I went there; did that. Last month I found that the MFJ worked real well in another application, but first, some introduction.

While at Dayton, the instrument I bought turned out to be pretty useful in fact. Joe, WA5FLT, was not having very good results with his 2M talkie so he invested in an adapter to go from the SO-239 socket on the MFJ SWR analyzer and the BNC plug on his rubber ducky. He figured we could check some other antennas the rest of the

folks had and compare his to see if we could find anything odd about his. We sure did! His had an open circuit at the base of the antenna!

After I got home I did some pretty basic things with the SWR analyzer, looking at the responses of the various antennas and feedlines I have around my place. I breezed through the manual, which incidentally is pretty complete, except for a schematic. It describes some limitations in the instrument and how to work around them when using the meter to determine characteristics of circuits other than feedlines and antennas.

MFJ says that the instrument displays resistance accurately within 10% at midscale. Midscale is approximately 40-50 Ohms. But it only reads with this accuracy if the connected circuit is non-reactive. The manual claims that the instrument will report SWR accurately, even if the antenna load is reactive. The manual is 18 pages long, and seven of those pages are devoted to using the instrument for things other than antenna work. It is one of those other things that I used it for, and that I wanted to describe here.

I had an occasion to tune up a receiver filter for a special purpose. This filter which originally came from some kind of General Electric High Band receiver, was loafing in my junk box. It is a three stage helical resonator, meaning that it is a very selective band pass filter. I had measured it at one time and marked its characteristics on the housing. It had 4 dB loss at the center frequency when tuned. The application I was thinking of using it for was as a filter to reduce interference from a pager transmitter on one of my 2M FM receivers, but 4 dB loss would be unacceptable. Based on something Dennis, WB5ISN, said, I wondered if it could be tuned as a "suck out" filter on the offending transmitter's frequency. My thinking was that if it was tuned to resonance, and one port was unterminated, the other port would look like a short circuit, kind of like a very high Q open 1/4 wave transmission line stub.

I first did a quick test using the MFJ as the

signal source and indicator to tune the thing. I terminated the output port with 50 Ohms and tuned it with the MFJ SWR Analyzer tuned to the desired frequency. This part was a piece of cake. It easily tuned so the Analyzer showed SWR of 1, and a 50 Ohm load. When I disconnected the load from the output port, the Analyzer responded by going lower on the resistance and higher on the SWR. Good! Then I tried tweaking the thing to see if I could get it to go to a very low impedance. I did but the tuning was a lot more off resonance than I expected. Finally I decided I was getting the effect of the analyzer operating outside of its 50 Ohm resistance part design load. So I took the advice in the MFJ manual and made up an adapter to provide the instrument with the correct load.

I found an SO-239 socket and a PL-259 plug that would mate pretty well together, back to back. I didn't have a 50 Ohm, (or even 51 Ohm) resistor handy, so I took a couple of 100 Ohm resistors and twisted their leads together. I soldered a twisted pair to the SO-239, and threaded the other pair through the center of the PL-259 and soldered the shell of the PL-259 to the SO-239. Then I soldered and trimmed the leads sticking out of the PL-259's pin. I had an adapter that would provide a series resistive 50 Ohms to anything that I connected.

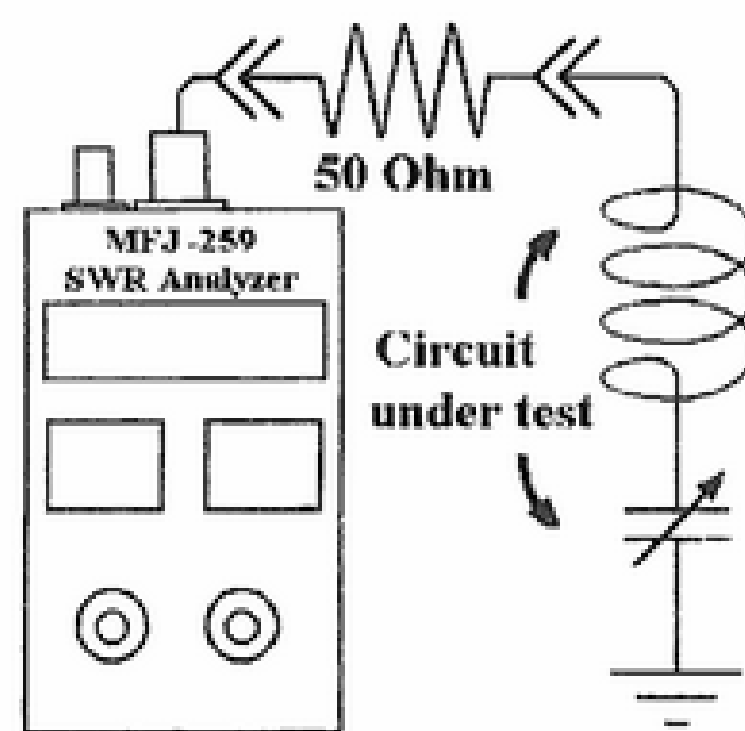


Figure 1. Series Resonance

Now, when I connected the suck out filter through the adapter to the analyzer I had the circuit equivalent shown in Figure 1. I showed the three stage helical resonator as a series coil and capacitor because that is how

I wanted it to respond when tuned. At resonance this circuit would have only the 50 Ohms of the resistors in the adapter plus the small stray resistance in the tuned circuit. The circuit tuned perfectly and the analyzer showed SWR of 1 with a resistance of 50 Ohms. I connected the filter to a tee attached to my radio, and the suck out had immediate results. I tweaked the first resonator just a little to reduce the interfering signal out of existence and I was done. I had to make this in-circuit adjustment to adjust to the circuit impedance presented to the input of the filter.

Incidentally, the loss introduced by adding this suck out to the radio was undetectable; the Bird wattmeter showed no decrease in power, and by implication, there would be no receive signal loss. On the air testing confirmed this.

I wasn't finished until I had played with the analyzer and this filter some more just to experience the way it worked as I fiddled with it. I can say this. That MFJ SWR analyzer can sure make one's life simpler than scrounging home brew alternatives to high dollar test equipment. You wouldn't believe what I go through to tune a cavity around here.

If you are plagued by an interfering signal that you want to get rid of, I can sure recommend this method over using the quarter wave transmission line stub method because it is much easier to tune than with the diagonal cutters. A three cavity helical resonator is overkill in this case, but any good quality, stable, commercial receiver filter should do fine. In fact, it may not have to be all that good a quality, but a high Q would be very desirable if the interfering signal is very close to your operating frequency.

I have gotten along a lot of years without an instrument like this one, but now that I have it I can sure find a lot of uses for it. I would have liked for the internal oscillator to have better short time stability so I could use it as a signal generator for other projects, but I still have the scanner with the line driver connected to its local oscillator. You have one of those don't you?

Joe, K5JB



Oklahoma City Autopatch Association

OCAPA Minutes
September 19th 1995

The meeting was called to order by John, N5SAM, at 7:30 followed by introductions of the 29 members and 3 visitors present.

Jim, N5OHL, read the minutes of the August meeting. Minutes were approved as presented.

Bob, WA9FCT, gave the treasurer's report and it was accepted as presented.

Several members indicated that they would be present at the next CORA meeting to represent OCAPA.

Technical Committee: Gene, KJ5GX, indicated that nothing had changed since the last meeting.

Christmas Party Committee: Mary, KB5VNP, volunteered to be the chair for this committee and will organize a committee to handle the party which will be held on December 19th.

Field Day Committee: Gene, KJ5GX, agreed to head-up the field day activities for 1996.

Scholarship Committee: Don, KC5BRO, (although not present) will probably agree to handle this year's scholarship award.

Old Business: Loyd, AB5I, stated that the new club call KC5QMY license has been received. There was a discussion concerning what to do about trying to get a vanity call sign for the club. Tom, WA9AFM, indicated that there is a delay at the FCC in making the 610-v form available. Clarence, W5LDF, said that he has a letter from Leonard's family giving

OCAPA the go ahead to try to get call sign W5MEL.

Severe Weather: Tom, WA9AFM, indicated that severe weather is still possible in September.

Education programs: Tom, WA9AFM, will present a program in October on satellite operation.

John, KC5DRI, will have a packet presentation at the November meeting.

Club Trailer: The trailer still needs tires and some other repairs.

New Business: Hal, KB1ZQ, said that he has a 19" rack that some one with the club needs to pick up.

Mary, KB5VNP, said that she has certificates for anyone that helped out during the bombing emergency net.

Brad, KJ0W, read a letter he pulled off the internet. It was a letter lauding the Amateurs that responded to the disaster in Oklahoma City. This letter was entered into the congressional record by Senator Don Nickles. John, KC5DRI, added that August 19th was designated as "Amateur Radio Day".

Brad stated that a German ham operator will operate DP0MIR on the Russian MIR space station and that he had orbit information available.

Chuck K5NK had a call from past-president John NV1V. He will be moving into a house just north of Houston Texas but will be back here in Oklahoma City in a few weeks for a visit.

Meeting was adjourned at 8:25

Jim, N5OHL
Secretary

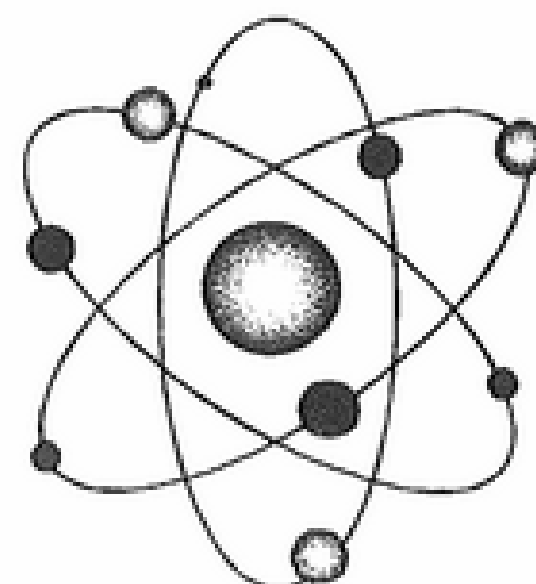
From The V.P.....

The September OCAPA meeting went very well. With John N5SAM, our new club president at the helm all club business was handled quickly leaving ample time for root beer and ice cream after the meeting. During the meeting we

were able to convince several members to provide a short presentation on amateur radio subjects. October's topic will be Amateur Radio Satellite activity, presented by Tom, WA9AFM. In November, Clarence "W5LDF", will show video tapes of past OCAPA field activities. January's meeting will feature packet radio activity, with John, KC5DRI and Jerry, KG5AA as the experts. Other good topics might include "how to" sessions on obtaining DX QSL cards, and another covering the installation of mother boards, hard drives, modems and software for computers amateurs use in conjunction with the hobby. We might also think about having a technical session to help folks adjust their deviation and audio levels if we can locate an amateur with access to the proper equipment. If you have any suggestions for other topics please leave a note in my mailbox AB5I-4 on 145.91.

Jim, N5OHL mentioned that the 3905 Century Club is begging for "Oklahoma" CW contacts. This might be your only chance to be treated like rare dx. The net meets MWF on 7.053 at 0200. Net speed is adjusted to make sure everyone is welcome. This net should be an excellent way to increase cw speed and obtain WAS. In late October the CQWW "phone" contest takes place, offering a good way to work on your DXCC certificate. Many of the DX stations in this contest have excellent systems capable of working any US station. In November, the ARRL Sweepstakes can provide a good measure of ham radio fun, and doesn't require big power or super antenna systems. These contests are a great way to welcome newer folks to HF activity.

Cul, 73 de Loyd, AB5I
uytq81a@prodigy.com





A. R. R. L. Bulletins

From ARRL Headquarters
Newington CT

To all radio amateurs

Special Bulletin 58
September 28, 1995

HT Saves Ham's Life

Amateur radio has been credited with saving the life of a shooting victim.

On Monday, September 25, 40-year old Rory Clark, KD6RKL, of Citrus Heights, a Sacramento suburb, was shot while standing at a bank automatic teller machine. Using his hand-held transceiver, he called for help on a local repeater. The repeater owner and operator, Chris Huber, N6ICW, was listening and autopatched the call to 911, according to ARRL Sacramento Valley Public Information Officer John Arnot, KD6SSZ.

Huber helped Clark in passing information to the "911" operator about his location, condition, and suspects. This assistance, and the ability to contact a listening ham operator on the spot "saved Rory's life," in the words of local authorities.

The story was covered by all three television network affiliate stations, which focused not only on the crime and victim, but also on Clark's ability to call for help with his hand-held.

Huber was interviewed by two of the three TV stations. One of the TV stations interviewed a sales clerk at the local amateur radio retail outlet, The Radio Place, about the positive aspects of ham radio. The taped conversation between Clark, Huber, and the "911" operator was played on the news broadcasts.

Local hams rushed to his and his family's assistance, and continue to be of support, Arnot said. Among them was Jim Rosima, KD6SSW, who took Clark's family to the hospital after the incident.

Rory Clark is in critical condition but is expected to live. He was shot once with a rifle from behind. Authorities attribute his survival to his call for help via ham radio. He is in Sutter Roseville Hospital.

Special Bulletin 55
September 27, 1995

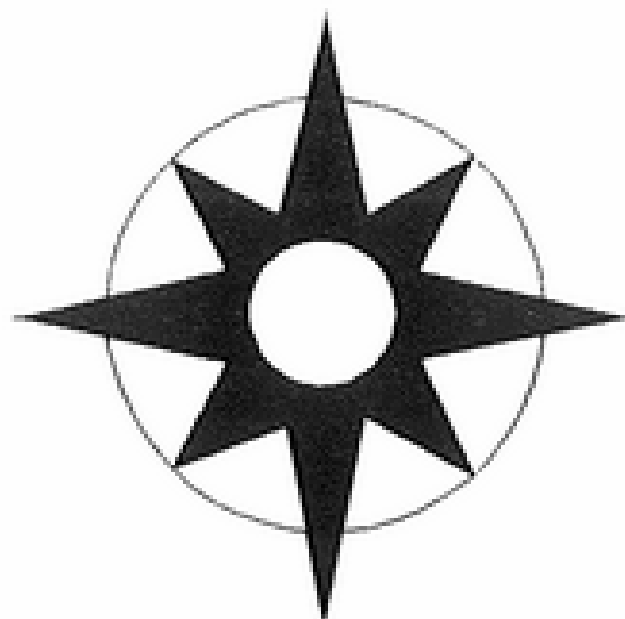
Call for Club Judging

It's time for the Amateur Radio News Service's annual publication contest. The ARNS is an organization of ham newsletter editors and publicists, and publishes the monthly ARNS Bulletin "to help its members better promote amateur radio by improving their own publications."

Each year, a committee of ARNS editors calls for sample newsletters from members and then ranks them, providing useful advice in the process. The contest is open to all amateur radio organizations and ARNS membership is not required (general circulation magazines and professional journals are not eligible).

To enter, clubs should submit one copy of any issue of their newsletter from the period July 1994 through December 1995. Send them to ARNS President Lee Knirko, W9MOL, 11 South La Salle St. Suite 2100, Chicago, IL 60603.

For information about ARNS membership, write to ARNS Secretary Pam Myers, N8IAK, 2325 Ansley, 20, Alliance, OH 44601.



DX Bulletin 50
September 28, 1995

This week's bulletin was made possible with info provided by Tedd, KB8NW, the OPDX Bulletin, the Yankee Clipper Contest Club PacketCluster network and Contest Corral from QST. Thanks to all.

MYANMAR, XZ. XZ1X is now active from Yangon with Kan, JA1BK, and Martti, OH2BH, the operators. They are expected to be there two more days. The Tokyo PacketCluster network has a spot listed for them on 14195 kHz.

UGANDA, 5X. Paul, 5X4F, now has a 160 meter antenna and is active daily at 0300z on 1831 kHz with 100 watts. He has also been on 3501 kHz at 0030z, 7001 kHz at 0300z, 10101 kHz at 0122z and either 21205 or 21240 kHz SSB at 1300z or 1930z. QSL via KB4EKY.

CHINA, BY. During the Beijing International DX Convention, October 13 to 16, BT1DX will be on the air from the convention hotel. BT1X will be the DXpedition station operating from the Great Wall on Sunday, October 15.

THE GAMBIA, C5. Gary, C53HG reports he will try to be active on 80 and 160 meters this Fall and Winter.

MONACO, 3A. John, K1VWL, will be QRV November 21 to 28 and plans to be in the CQWW Contest. Outside contest hours, try 1824/1828, 3523, 7023, 10105, 14005 and 18070 kHz.

RWANDA, 9X. Mark, 9X/ON4WW, will be doing low band work on Fridays and Saturdays. At 2330z, try 1830 kHz and at 2335 try 3501 kHz. At 0200z, try 1830 kHz and at 0205z try 3501 kHz. QSL via ON5NT.

SOUTH COOK ISLANDS, ZK1. Bob, K6GKU, should wrap up his ZK1PNX operations from Rarotonga Island, IOTA OC-013, on September 30. Besides CW and SSB on 80, 40, 20 and 17 meters, he also tries RS-12 Mode K. An easy snag is on 14190 kHz around 0405z and 14260 kHz around 0215z. QSL via K6GKU.

CHAD, TT8. TT8NU is active almost every day on 18070 kHz between 1900 and 2100z. QSL via F6FNU.

CAYMAN ISLANDS, ZF. ZF2JI will be active during the CQWW SSB Contest from Grand Cayman Island. QSL via KG6AR.

GRENADA, J3. W8KKF/J37K, WA8LOW/J37L, K9AJ/J3J, W9IXX/J3X, WB8GEX/J3K, WD8ATP/J3Z, KA9RHK/J3Y, V44KAO and perhaps others will operate J3A in the CQWW SSB Contest. Before and after the contest they will try to fill as many band/mode needs possible. QSL individuals via their home calls. QSL J3A via WA8LOW.

QSL NOTES. QSL TY8G via LA8G, PO Box 5626, N-7002 Trondheim, Norway.

SABLE ISLAND, CY0. Don't forget that this 10 day operation should start this weekend.

ARRL Bulletin 87 September 22, 1995

FCC Notifications Begin

The FCC has begun mailing notices of upcoming amateur license expirations. Those amateurs whose licenses would expire in December 1995 are being sent, by first class mail, a computer-generated Form 610-R "short form."

The Commission's Gettysburg facility expects to mail more than 5000 such notices this week, covering expirations from December 1 to December 20, 1995.

The new Form 610-R may be signed, dated, and returned to the FCC to renew the license, provided that no changes (such as address) are needed. It will be permissible to correct misspelled words. For other changes along with renewal, it will be necessary to file a regular FCC Form 610.

For some time the ARRL has been sending license expiration notices as a free membership service. That service will be discontinued once the new FCC program is established.

There is no monetary fee for an amateur license renewal.

ARRL Bulletin 86 September 12, 1995

Quello opposes FCC cuts

Long-time FCC Commissioner James H. Quello has opposed a proposal by Chairman Reed Hundt to close some Commission offices and reduce staff. Quello said that while in principle he supports the idea of streamlining when possible, that he was "not prepared" to support Hundt's proposal, especially concerning staff reductions. "I am concerned," Quello said, "with the rushed timing of (Hundt's) administrative approach. I believe any reductions should have been discussed with Commissioners in advance of a one-day notice, particularly while Congress is in recess and some Commissioners are on vacation."



"In my view, any reorganization of this commission must take careful account of our core functions," Quello said, "and assure that their integrity is not compromised. I am not sure the plan described... will achieve this, particularly in light of the sharp disagreement that has arisen over the staffing and functions of the field offices of our Compliance and Information Bureau. In my opinion, there are other areas for reductions that do not involve the vital local public service of the Compliance and Information Bureau in numerous large cities."

"I will pay particularly close attention to assuring that those parts of the Commission that allocate the spectrum, safeguard its integrity, and license its use are not adversely impacted," Quello said.

The proposal would close three FCC regional offices, nine field offices, and all

nine monitoring stations. More information appeared in a previous bulletin and will appear in October QST League Lines.

ARRL Bulletin 85 September 8, 1995

3rd-party, reciprocal news

The Federal Communications Commission has added three countries to the list of those with which the United States has an Amateur Radio reciprocal operating arrangement. They are Bosnia-Herzegovina, Croatia, and the Former Yugoslav Republic of Macedonia.

The FCC also has added the Republic of the Marshall Islands to the list of countries with which the US has a third-party traffic agreement.

A visitor to the US from a "reciprocal country" may obtain a permit valid for one year by sending a completed FCC Form 610-A application and a copy of his license to the FCC's Gettysburg, Pennsylvania office.

Complete lists of US third-party traffic countries and reciprocal operating arrangement countries are available by sending an SASE to ARRL Headquarters, or electronically through the sources listed in "How to Contact the ARRL" in each QST.

ARRL Bulletin 84 September 1, 1995

W1AW/126 operation

W1AW will be participating in the Hiram Percy Maxim 126th Birthday Memorial Celebration from September 1 at 8pm EDT, 0000z to September 3, 4pm EDT, 2000z. W1AW/126 will be on the air from 160 to 2 meters to contact amateurs. We will work CW, SSB, and RTTY, and hope to put you in our log.

During this special operation, W1AW will not transmit code practice or CW, RTTY or SSB bulletins. We will return to our regular schedule starting with the 2000z September 3 CW code practice transmission. Details are on page 58 of August QST.

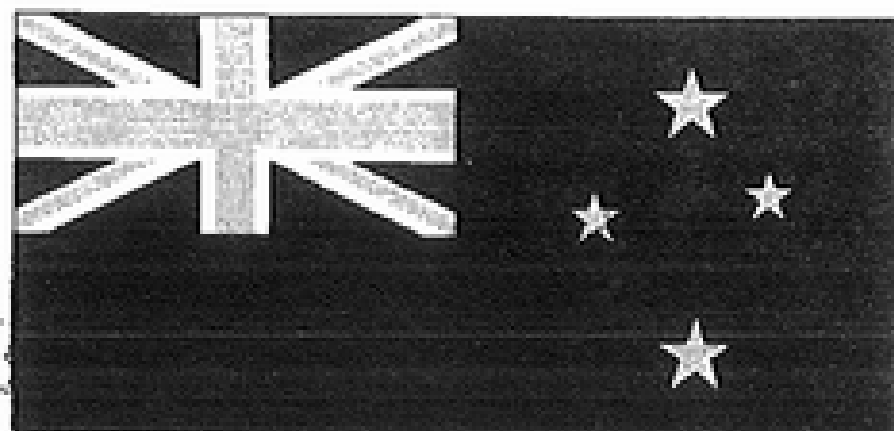
Newsline

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NEW ZEALAND SAYS YES TO UNIVERSAL NO-CODE

New Zealand will be asking the world to do away with mandatory Morse Code testing for ham radio licensing. This, when the International Telecommunications Union holds its 1995 World Radiocommunications Conference a week from now.

The revelation that New Zealand has decided to take the point position in working toward worldwide codefree licensing comes in a letter to the New Zealand Association of Radio Transmitters from Maurice Williamson. Williamson is New Zealand's Minister of Communications and in his communique, Minister Williamson says unequivocally that the time has come to do away with all Morse testing for all classes of ham radio licenses, the world over. We quote Minister Williamson:



"I am advised that the Ministry of Commerce informed your president, Mr. Meachen, on 17 March, that after considerable discussion and debate between interested parties, that the specific provision of international law relating to competence in Morse code, contained in rule number 2735 of the International Radio Regulations, was no longer appropriate as a treaty obligation of the Government of New Zealand."

While never mentioning the NZART's rival, ORACLE by name, Minister

Williamson went on to say that his ministry agrees with the views of other New Zealand ham radio operators who support a change in International Radio regulations. As such, he and the New Zealand government support such a change as well. Again We quote Minister Williamson:

"The Ministry is firmly of the view that international radio regulation number 2736 provides the flexibility needed for administrations to take such measures as they judge necessary to verify the operational and technical qualification of any person wishing to operate an amateur radio station." "I" says Minister Williamson, "share this view."

The fact that New Zealand is on the record as favoring the worldwide abolishment of Morse testing does not mean that the code will away at this radio communications conference. Even if WRC '95 approves such a change, it only means that the nations of the world will be free to make such a move. Here in the United States, it would take senate ratification of a new telecommunications treaty follows by a normal rule making proceeding by the FCC. These changes don't come quickly with the Washington bureaucracy. Usually, they take several years.

What does this mean to ham radio? Nothing much in the short term. In the long term it does put the issue of no-code licensing for all radio amateurs in the eye of telecommunications regulators, worldwide.

SOCAL 2 METER COORDINATION

Repeater coordination problems continue on two meters in Southern California. As we go to air there now appear to be at least nine organizations claiming the sole right to coordinate repeaters to that band. That's up by to groups since we last reported on the situation about a month and a half ago.

As most of you will remember, the blitz of instant two meter coordinators began in late July. This, following the ouster of

Sidney Radus, N6OMS, as the chairman of the long established Two Meter Area Spectrum Management Association.

A few weeks after the Radus recall, Carl Cockrell, AB6FC, was elected to replace him. As you heard right here on Newsline, Cockrell publicly pledged to work with system owners and their user groups to help rebuild community confidence in TASMA. And that may have been the straw that broke the proverbial camels back for many system owners. Repeater licensees who want to curtail user involvement in the repeater coordination process.

And it now appears as if the repeater owner operators are rallying once again. This time around some former leaders in the FM community who are spearheading a new repeater coordination council whose membership is limited to only those who own and operate repeaters. A council where repeater user input is specifically excluded except as represented through the desires of system owners. This, as it is in most repeater coordination councils nationwide.

But that's far from the end. The other self professed instant coordinators can best be described as localized. Councils set up to service the perceived needs of a small area of one of the nations most spread out and populous regions. Most of these coordination councils are made up of one or two people and base their right to coordinate on a 1987 regulatory interpretation by former Special Services Branch administrator Raymond Kowalski. Most of these organizations are also limiting their membership to those who live in the area and who already have working repeaters on the air.

KB4ZJ NAMED RADIO CLUB FELLOW

AMSAT-North America Treasurer Art Feller, KB4ZJ, has been honored by election as a Fellow of the Radio Club of America. The award will be presented at the club's 86th annual meeting, to be held in New York on November 17.

Newsline (Con't)

The Radio Club of America, founded on January 2, 1909, is the world's oldest radio communications society. Its membership, past and present, includes most leading figures in radio and telecommunications. Art Feller has been a member of this prestigious club since 1976.

ISRAELIS, RUSSIANS EYE ZENIT FOR TECHSAT-1B

Senior officials at the Technion Institute of Technology in Israel are exploring prospects of establishing an agreement with Moscow-based Vniem for launch of the institutes' Techsat-1B satellite on a Zenit rocket.

The Israel Space Agency has sought to dissuade Technion Officials from taking legal action against Moscow-based STC Complex, which contracted for a modified Russian SS-25 rocket that launched Techsat Gurwin-1 March 28. The rocket failed and Gurwin-1 was destroyed.

DX

In DX, UT3UY, and friends are now active from Libya as 5A1A. Most of the reports indicate that they are active mainly on 20 meters SSB. Check around 14.202 MHz between 22:30 and 02:30 UTC.

There were also reports on 21.020 MHz at 17:15 UTC and 28.015 Mhz at 20:35 UTC.

Also, the PJ7 operation by K6URI scheduled for September 9th to the 23rd has been wiped out due to recent hurricanes. As a result, he has rescheduled his vacation for Margarita Island off coast of Venezuela. This for October 7th to the 21st and he will try hard to get license to operate.

EP2FM, the President of Iran's national ham radio society says that after a lapse of

some 14 years, there are indications that there may be amateur radio activity from EP land by Iranian citizens once again. EP2FM says that he has lost most of his connections during these long years and would like to appeal for help, mostly in the form of information to help promote amateur radio in his country. He hopes to be able to offer an on the air QSO's soon.

Also, DL9FCQ, will be back in Qatar from December 29th to January 14, 1996. He will be signing A71AN/DL9FCQ, and operate mostly in CW on 80 - 10 meters including the WARC bands. QSL via the bureau or direct.

SETI REVISITED

News that a name and starting date have been chosen for a radio astronomy project that aims to involve large numbers of radio amateurs.

The SETI League has chosen "Project Argus" as the name for its upcoming search for extraterrestrial intelligence. The SETI League hopes eventually to involve 5000 amateurs worldwide in scanning the sky. Earth Day, April 21, 1996, is the target date for beginning the project.

The name Argus was chosen in 1971 at Stanford University for a proposed ultimate SETI receiver that was never funded. Argus was a mythological figure with 100 eyes that could look in all directions at once.

And yes, there is a ham radio connection to this latest heavenly search. Dr Robert Dixon, W8ERD, is an advisor to the project and the assistant director of the Ohio State University Radio Observatory.

FCC BUDGET CUT

A Senate subcommittee has voted a 20 percent cut in next year's budgets for the Federal Communications Commission. This could have a divesting effect on the agency and on the services it governs including Amateur Radio. Here are the details.

The Appropriations Subcommittee on Commerce, State, Justice and Related Agencies adopted has the plan as part of a \$26.49 billion appropriation in fiscal 1996. It is \$1.6 billion below the House version.

For 1996 the FCC budget would be at \$148 million. That's down from \$185 million in 1995.

Subcommittee chairman Phil Gramm, a Republican from Texas drafted the plan. In response to objections that the FCC's heavy workload could not stand a 20 percent cut, Gramm said he would consider an amendment in full committee to keep the agency at the 1995 funding but would not consider any sort of long term increase in agency funding. In reacting to the Senate subcommittee proposal, FCC chairman Reed Hundt said that these tentative budget cuts will cripple his agency's ability to adequately protect consumers from regulatory abuses. These says Hundt include unreasonably high pay phone rates and unauthorized switching of customers' long-distance companies.

The FCC chairman added that hundreds and hundreds of FCC employees will be terminated if Congress accepts the subcommittee's proposal. And says Hundt, the proposed cut also would jeopardize the FCC's ability to conduct airwaves auctions and make it impossible for the agency to implement telecommunications reform if pending legislation becomes law.

For ham radio failure to get the FCC its full funding could mean an end to all services including routine regulatory changes and any enforcement action. On a longer range outlook, such deep funding cuts could lead the FCC to deregulate Amateur Radio and other personal radio services in the same way as the agency deregulated Class D citizens radio almost two decades ago.

There is little that hams can do except to write letters to their senators and representatives to ask that congress restore the proposed cuts to the FCC.

FALL

BY Edith, KA5YPX

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CRYPTO CLANS

By Forrest, N5VWF

Last month he made a point to make it easy for those of us that have been unable to figure out the past ones. Remember that each list contains related items. Word structure and single letters are clues. Each letter represents another letter. Enjoy! This is an E=Z one!

Example: Cool
 XJJG

HAM MAGS: Answers -

1. Rad Comm
 MVY XJHH

2. QST
 LNO

3. QEX
 LZS

4. World Radio
 RJMGYMYDJ

5. CQ Magazine
 XL HVBVUDIZ

6. Collector and Emitter
 XJGGZXOJM VIY ZHDOOZM

7. Radio Fun
 MVYDJ API

WORD LIST: FALL

Back Pack	Back to School
Cheerleaders	Code Practice
Crossing Guard	Football Practice
Ham Classes	Homework
Lunch Boxes	New Friends
Notebook Paper	Pencil Boxes
Playground	PTA Meetings
School Speed Zone	School Supplies
The end of Summer	VE Testing
Yellow Busses	

SWEDEN NOVICE

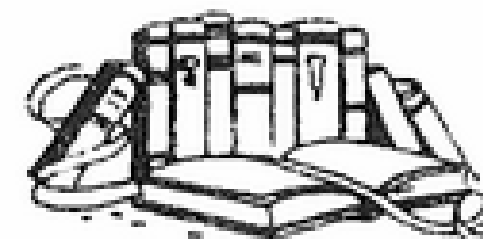
Sweden will soon have a new entry level license class on the air. SM7HCJ reports that the first new Swedish novice licenses will be issued shortly. He says to watch out for the "SH" prefix stations on 3.5, 7, 21 and 28 MHz CW and SSB on 10 meters.

Ollie adds that a number of Swedish radio clubs will be using the special "SI" prefix until November 30th to celebrate 100 years of radio. Also to begin looking for the special event station 7S6SAQ to become active to commemorate the 70 years of operation of the Grimeton Radio Station. The frequencies and dates of this events were not supplied.

DIGITAL VOICE

Phil Karn, KA9Q says that he has created a web page that demonstrates the potential of digital speech encoding as compared with conventional SSB on power-limited satellite channels. Like my earlier demo page on forward error correction, it contains demo audio files in 8Khz mu-law format. The Universal Resource Locator is <http://www.qualcomm.com/people/pkarn/voicedemo>

If you missed this rather complex URL, drop a note with an SASE to KA9Q at his callbook address.



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Today many companies and businesses are cutting the 'fat' out of their operating budgets. This Office Memo was sent to us by KB5RR & KJ5QU.

TO: All Employees
RE: Travel Restrictions

Due to budget constraints, the following corporate policies are announced regarding employee traveling on official business. These policies are effective immediately.

TRANSPORTATION

Hitchhiking in lieu of commercial transport is strictly encouraged. Luminescent safety vests will be issued to all employees prior to their departure on company business trips. Bus transportation will be used whenever possible. Airline tickets will only be authorized for purchase in extreme circumstances and, the lowest fares will be used. If for example, a meeting is scheduled in Seattle but a lower fare can be obtained by traveling to Detroit, then travel to Detroit will be substituted for travel to Seattle.

LODGING

All employees are encouraged to stay with relatives or friends while on company business. If weather permits, public areas such as parks and parking lots should be used for temporary lodging sites. Bridges may provide shelter in periods of inclement weather.

MEALS

Expenditures for meals will be limited to the absolute minimum. It should be noted that certain grocery chains, such as General Nutrition Centers and Piggly Wiggly stores often provide free samples of promotional items. Entire meals can be obtained in this manner. Travelers should also become familiar with indigenous roots, berries and other protein sources available at their destination. If restaurants must be utilized, travelers should seek establishments offering 'all you can eat' salad bars. This will be especially cost effective to employees traveling together, as a single plate can be used to feed the entire group. Employees are also encouraged to bring their own food while on company business. Cans of tuna, Spam or Beefaroni can be conveniently consumed at your leisure, without the unnecessary bother of heating or other costly preparation.

ENTERTAINMENT

Entertainment while on travel is strictly discouraged. If such extravagances are required on customer contracts, the customer should be encouraged to 'pick up the tab'. Such action will save company money and also convince the customer that we are concerned about spending money for a good product, not on useless frivolities. The hospitality provided to our customers who visit our facility shall also be tasteful, yet cost effective. In lieu of extravagant dinners, a picnic bench will be placed in the parking lot near the dumpster and a garden hose will be made available so that liquid refreshments can be provided for our guests.

MISCELLANEOUS

All employees are encouraged to employ innovative techniques in our team effort to save corporate dollars. One enterprising individual has already suggested that money could be raised during airport layover periods which could be used to defray travel costs. In support of this idea, 'Red Chips' will be issued to all employees prior to departure so that they may earn tips by helping other travelers with their luggage during such periods. Small plastic roses will also be made available to employees so that sales may be made as time permits.



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8. Complete Mailing Address of Headquarters or General Business Office of Publisher (Not Printer)				
Central Oklahoma Radio Amateurs, Inc. P. O. Box 95942 Oklahoma City, Oklahoma 73143-5942				
9. Full Names and Complete Mailing Addresses of Publisher, Editor, and Managing Editor (Do Not Leave Blank)				
Publisher Name and Complete Mailing Address				
Central Oklahoma Radio Amateurs, Inc. P. O. Box 95942 Oklahoma City, Oklahoma 73143-5942				
Editor (Name and Complete Mailing Address)				
Harold C. Miller 4216 Spiva Drive, Del City, Oklahoma 73115-4424				
Managing Editor (Name and Complete Mailing Address)				
10. Owner (If owned by a corporation, its name and address must be stated and also immediately thereunder the names and addresses of stockholders owning or holding 1 percent or more of the total amount of stock. If not owned by a corporation, the names and addresses of the individual owners must be given. If owned by a partnership or other unincorporated firm, its name and address as well as that of each individual must be given. If the publication is published by a nonprofit organization, its name and address must be stated) (Do Not Leave Blank)				
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PS Form 3526, October 1994 (See instructions on Reverse)				

Instructions to Publishers

- Complete and file one copy of this form with your postmaster on or before October 1, annually. Keep a copy of the completed form for your records.
- Include in items 10 and 11, in cases where the stockholder or security holder is a trustee, the name of the person or corporation for whom the trustee is acting. Also include the names and addresses of individuals who are stockholders who own or hold 1 percent or more of the total amount of bonds, mortgages, or other securities of the publishing corporation. In item 11, if none, check box. Use blank sheets if more space is required.
- Be sure to furnish all information called for in item 15, regarding circulation. Free circulation must be shown in items 15d, e, and f.
- If the publication had second-class authorization as a general or requester publication, this Statement of Ownership, Management, and Circulation must be published; it must be printed in any issue in October or the first printed issue after October, if the publication is not published during October.
- In item 16, indicate date of the issue in which this Statement of Ownership will be printed.
- Item 17 must be signed.
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PS Form 3526, October 1994 (Reverse)

13. Publication Name Collector and Emitter		14. Issue Date for Circulation Data Below October 1995	
15. Extent and Nature of Circulation		Average No. Copies Each Issue During Preceding 12 Months	Actual No. Copies of Single Issue Published Nearest to Filing Date
a. Total No. Copies (Net Press Run)		659	575
b. Paid and/or Requested Circulation (1) Sales Through Dealers and Carriers, Street Vendors, and Counter Sales (2) Paid or Requested Mail Subscriptions (Include Advertisers' Proof Copies/Exchange Copies)		0	0
c. Total Paid and/or Requested Circulation (Sum of 15b(1) and 15b(2))		580	513
d. Free Distribution by Mail (Samples, Complimentary, and Other Free)		0	1
e. Free Distribution Outside the Mail (Carriers or Other Means)		71	53
f. Total Free Distribution (Sum of 15d and 15e)		71	54
g. Total Distribution (Sum of 15c and 15f)		651	567
h. Copies Not Distributed (1) Office Use, Leftovers, Spoiled (2) Return from News Agents		8	8
i. Total (Sum of 15g, 15h(1), and 15h(2))		659	575
Percent Paid and/or Requested Circulation (15c / 15g x 100)		89.09%	90.47%
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17. Signature of Publisher, Editor, Collector and Emitter		Date 1 October 1995	
I certify that all information furnished on this form is true and complete. I understand that anyone who furnishes false or misleading information on this form or who omits material or information requested on the form may be subject to criminal sanctions (including fines and imprisonment) and/or civil sanctions (including multiple damages and civil penalties).			

A LOOK INTO OUR PAST: MARCH 1983

The new 'buzz' among PC users is Windows 95, the must have of computer programs! The major problem with this program is that if your PC is less than 2 years old, Windows 95 may not work unless you upgrade your current system. In other words, it could cost you big bucks to upgrade and that does not include the new program upgrades you may need just to get your machine to work again. I found the following article in a past C&E that is perfect for those who are attempting to cut corners to have their very own PC. The author of this article is unknown, my guess is to discourage any possible lawsuits. Enjoy, NILPN.

HOW TO BUILD A HOME COMPUTER

Despite what you've heard from computer salesmen, home computers are actually straightforward devices that can be built in an afternoon by anyone who has a few simple hand tools and the brains of a spittoon.

Perhaps you don't think you need a home computer, but believe me, you'll find lots of uses for it. For example, we use ours to handle our financial affairs.

In our pre-computer days, angry bill collectors were always calling us up and demanding money. But now, thanks to our computer, when they call we simply tell them: "I'm sorry, but we are experiencing technical difficulties with our personal home computer and we cannot give you any information with reference to this bill at this time." Bill collectors are impressed by this professional technical explanation. As a result they hardly call us anymore, although they tend to send large, armed persons to visit us personally.

Once you have gained some experience with your computer, you can program it to do all kinds of things that computers owned by major corporations do, such as destroy the credit ratings of people you don't even know, or answer your telephone automatically and tell your callers that everyone in your house is too busy to talk to them. And besides all of these advantages, my easy-to-make personal home computer, which is the result of months of research, experimentation and heavy drinking, can actually heat your home. Impossible, you say? Why not build it and find out?

First, head down to your home workshop and gather together the tools and materials you need.

TOOLS: A screwdriver, an ice pick, a drill, a Bowie knife, a hacksaw(optional), and something to melt solder with, such as a soldering gun.

Materials: Solder, a television set, and 8 to 10 pounds of electronic parts, which you can buy wherever they are sold. I find that transistors work best, although you can use diodes, provided they are fresh.






STEP 1: PREPARING THE CABINET

Now you are all set. Remove the back from the television cabinet, and using your ice pick, chip out the insides and throw them away. Next, using your Bowie knife, stab the top of the cabinet to create an 8 inch gash(see drawing 1).

Now arrange your electronic parts on your workbench in an attractive display and melt solder on them until they are all stuck together, taking care not to drop too much molten solder on your dog (see drawing 2). Next, you can either wait for the parts to cool off, or if you are in a hurry, simply dump them into a bucket of water. (CAUTION: Never touch the hot parts with your bare hands. Ask a neighbor to do this.)

Once the solder-together parts are cool, drill a few holes in them and screw them to the inside of your television set. (See drawing 3), using your optional hacksaw on either the television set or parts to insure a good fit. Now all you need to do is re-attach the cabinet back and

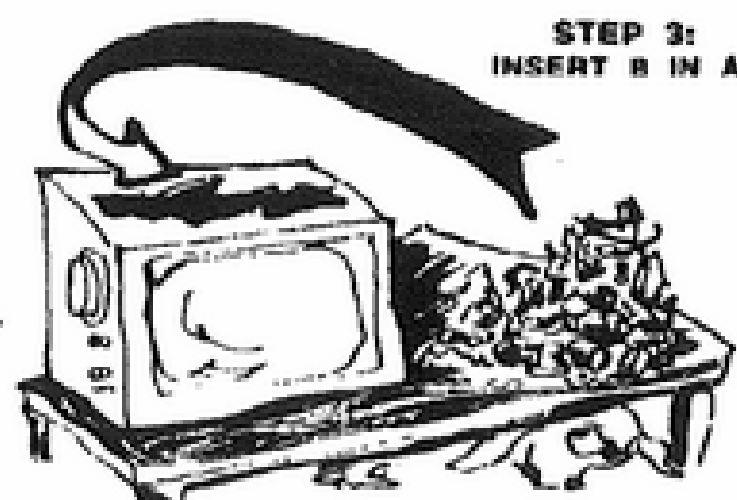
October 1 to November 4, 1995 Schedule of Events:

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5 7:00p.m. Aeronautical Center 7:30 p.m. CARA	6	7
8 2:30 p.m. Wheatstraw	9 Columbus  Day	10	11	12	13	14 9:30 a.m. SCARS 10:00 a.m. SCARS VE Exams
15	16 6:00 p.m. CORA VE Exams	17 7:30 p.m. OCAPA	18	19	20	21 9:00 a.m. VE Exams (RSC) 11:00 a.m. VHF Club 1:00 p.m. EARS
22	23	24 7:00 p.m. Shawnee VE Exams 7:30 p.m. CORA	25	26	27 C&E Deadline 	28
29	30	31 Halloween 	1	2 7:00p.m. Aeronautical Center 7:30 p.m. CARA	3	4

Look Into Our Past (Con't) check to make sure your fire insurance is paid up. You're ready to enter the World of Home Computing.

First you'll need some data to put in, or "input." Have your children to go around the house, inside and out, and gather up, or "upgather" all of your bills, check stubs, candy wrappers, receipts, lawn clippings, tax records and lint balls. the more data you give your computer, the better it will work. To input your data, simply stuff it into the Bowie knife slash.

Next send your children to another room, or, if possible another state; then plug your computer in. For a few seconds, nothing will happen, but then you'll hear the computer start to process, or "process" the data. Before long, you'll actually be able to see it working, even smell it; after 20 minutes or so, your computer will be processing data at such a rate that your entire house will be warm as toast. In fact, this easy-to-make personal home computer produces heat so effectively that since I built mine, we haven't spent a nickel on home heating, primarily because of the medical bills. + + +



WARNING: FOR THOSE THAT MAY BE TEMPTED TO TRY THEIR HANDS AT FOLLOWING THE INSTRUCTIONS IN THIS ARTICLE, DO NOT TRY TO MAKE THIS HOME MADE COMPUTER! (It does not work and was never meant to work. This warning is for those that have no computer smarts.)

You asked for some technical articles, we felt with the big deal over Windows 95 that the computer crowd would get a kick out of this. Happy computing and hope to hear from you in the future. By the way Windows 95 is doing fine on my machine here at the editing desk.

The Editor