

# Collector & Emitter

A CORA Publication

**November 1995**  
Volume 21, Number 11  
Issue 249  
50¢

Postmaster See Page 2  
For Postal Information

Second Class Mail

## OCAPA Field Day Results

QST Missed 'em We Didn't

## Hate Mail Virus

Packet Operators Beware

## Morse Code Speed Change Denied

ARRL Bulletin 97



## Tubes....

## DXCC Word Search

Can You Work Them All

## UK Agrees To No Code HF

Second Country to Say No To Code

**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**

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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.

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

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<b>1. Aeronautical Center ARC</b> 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:	<b>11. Edmond Amateur Radio Society</b> 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
<b>2. Oklahoma Central VHF ARC</b> Meets: 1100, 3d Saturday, Ashley's Country Kitchen I-40 & SE 15th St, Del City Pres: Jackolyn Olsen, KA5ENU 842-2305 VP: Ken Eason, KF5JS 789-2200 Sec: Joe Buswell, K5JB 732-0676 Treas: Ellard Foster, W5KE 789-6702 Editor: Joe Buswell, K5JB 732-0676	<b>14. Cimmaron Amateur Radio Assn.</b> Meets: 1930L, 1st Thursday, WX5Y Playhouse 827 S. 13th, Fairview Pres: John Medley, N5WVU VP: Kenneth Monahan, KB5SOM Sec: Dennis Painton, WK5V 764-3599 Treas: Nadine Painton, N5FMH 764-3599 Editor: Kenneth Monahan, KB5SOM
<b>4. Oklahoma City Autopatch Assn.</b> 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	<b>15. South Canadian ARS</b> 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
<b>9. Wheatstraw Amateur Radio Club</b> Meets: 1430L, 2nd Sunday, Location Varies Pres: Leo Peil, WZ5H 886-2998 VP: Jimmie E. Payne, N5VDY 233-4215 Sec/Tr: Joe Garland, WA5FLT 893-2660 Editor: Ralph Wilder, WA5PFK 623-5421	<b>Central Oklahoma Radio Amateurs</b> Meets: 1930L, 4th Tuesday, Salvation Army Bldg N.W. 50th and Penn, OKC (BackDoor) Pres: Hal Miller, KB1ZQ 672-7735 VP: Louis Kennedy, KC5ABI 321-8992 Sec: Forrest Rush, N5VWF 842-8486 Treas: Perry Jenkins, KB5TOT 354-5075 Editor: Harold Miller, KB1ZQ 672-7735

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# Central Oklahoma Radio Amateurs, Inc.

## From The President

CORA Members,

Hello and Happy Thanksgiving to all of you. The new year has started for the currently elected officers of CORA. We had our first meeting last week and although there were not many people there we feel we did accomplish some needed items.

Work has started on the constitution rewrite and the proposed changes were generally accepted. There were a few minor points to be cleared up or expressed better but work is progressing. A draft copy will be mailed to all active clubs for their review as soon as possible.

Ham Holiday '95 has closed out with letters being sent to all attending dealers, thanking them for their attendance and a hope to see them again next year.

Contact with other clubs, new prospects and past members of CORA continues. We traveled to Ada this last month and are eagerly awaiting their decision to join. There are other groups wanting information on CORA and we hope to mail the information packs we have made when we confirm their addresses.

The Board of Directors at this last month meeting also agreed to CORA moving towards the 90's by looking into and acquiring an IRS tax number.

Now is the time for all of our associates to come to aid us in planning for Ham Holiday '96. I am willing to accept assistance from all; however there is a catch. To volunteer for a committee I ask that you come to the CORA meeting and do so in person. Not that I don't trust anyone I feel safer that an individual or group be represented by appropriate

members or self to commit themselves to a task.

The November meeting of CORA will be held on Saturday the 18th at 1:00 p.m.. The meeting will be a sit down and eat business meeting held at the Skyline Restaurant on the corner of 15th Street and I-35 here in Oklahoma City. The food is good and prices are very reasonable. We have reserved a room in the rear of the restaurant for our meeting and hope to see all clubs represented there. Letters to all clubs were sent to officers of the respective clubs.

We are also putting a directory together of all persons that are members of CORA clubs for printing in the December issue of the C&E so get your databases to me for the final assembly.

Well, that is all I have for now and am looking for more input from you the people that make CORA up. We have the capability to make CORA prosper and grow.

Hope to hear you on the air.

73



Harold C. Miller, KB1ZQ  
CORA President

## Minutes of the October 24, 1995 CORA Meeting

The meeting was called to order at 7:30 p.m. by the new president of CORA Hal, KB1ZQ. Five clubs were represented with eleven people in attendance.

The September minutes were distributed, read and approved. The treasurer's report was approved pending final copy from Perry.

Hal, in his capacity as C&E editor, reminded us that he still needs articles, particularly for the December C&E, which is to be a Holiday issue. There was also

discussion about putting out a directory of all CORA's associate members. Club secretaries, please get the up to date information for the directory to Hal, KB1ZQ or Linda, N1LPN at the following addresses:

Mail: C&E Editor 4216 Spiva Dr.  
Del City, OK 73115-4424

E-Mail: n1lpn@aol.com

## Old Business:

MORI's letter of 4 October 1995, in which they notified CORA that MORI had resigned from CORA effective 4 October 1995 was read by the board.

Ham Holiday 1996 - Hal passed around a design for the 1996 Ham Holiday ticket by Clarence, KB5RR. We are going to try to attract the 1996 Oklahoma ARRL State Convention to Ham Holiday. Chuck, K5NK is in charge of facilities for HH96, which will be Friday evening and all day Saturday.

New Constitution - Tom, WA9AEM, Loyd, AB5I and John, WA5SYT went over CORA's Constitution and the board went over their draft. The revised version will be looked over at the next CORA meeting.

New Clubs - CORA has sent information to four amateur societies who requested it.

November Meeting - ATTENTION!!! The next CORA meeting will be on Saturday, November 18th, 1995. This will be both a luncheon meeting and a regular business meeting, to be held at 1:00 p.m. at the Skyline Cafe at 1631 SE 15th Street on Oklahoma City. Hopefully those clubs which cannot attend the Tuesday meeting can attend the Saturday one.

There being no further business, the October meeting adjourned at 9:40 p.m..

Respectfully submitted,  
Forrest Rush, N5VWF  
CORA Secretary

## CHIT-CHAT

### Oven Frying

Before "oven fried foods" became popular, my grandmother was known for her Sunday Chicken Dinners. Sunday's were the busiest day of the week for her and she had to change her cooking habits to fit her schedule. Her table would be laden with at least 4 different vegetables, home baked sour dough rolls, potatoes, and 2 types of meats. She would have at least two different types of deserts for after the meal. Everything would be ready to serve when we walked into the house after church service.

She began her day at 4:30 am and everything was cooked before she left for church. All food was kept warm in the oven except the rolls which were left to bake as we set the table for dinner. She was a very special lady and I miss her wisdom and her friendship.

What I am about to share with you is a recipe she guarded and refused to share with the family. She was afraid if she shared her secrets, the family would stop coming to Sunday Dinner. The recipe for her chicken was never written down and I learned it by watching her, the measurements are mine. The only thing I have changed is the use of Pam instead of shortening used on the pan and the canned milk to nonfat instead of regular (nonfat had not been invented yet).

She used her own chickens from the backyard. I would watch her catch a hen, ring its neck, throw it aside and it would get up and run off. I would start laughing and she would look all over the yard for that chicken. My dad ended up getting drafted to do the Deed and his never ran off. He did refuse to pluck 'those nasty old birds' on Saturday afternoon but would skin them instead for her. When she got rid of the yard chickens, she would use store bought ones but they never tasted as good as the fresh ones did.

So, here are two recipes that I hope you will try and enjoy serving to your family. Eating less fat in our diets can be done without giving up taste and texture.

Adjust seasonings to your personal tastes and have fun cooking.

### MIMI'S BAKED CHICKEN

One cut up fryer chicken about 2 to 3lbs.,  
skinned (optional)  
Corn Flake crumbs, about 1 1/2 cups to 2 cups  
1 egg, beaten or egg substitute  
4 to 6 oz. of canned nonfat milk  
salt and pepper to taste

Using a deep pie tin, mix together the milk and egg. In another pie tin place corn flake crumbs. Coat the bottom and sides of a 9 inch x 13 inch pan with PAM. Set oven temperature to 350 degrees. Lightly season chicken pieces with salt and pepper, dip into milk and egg mixture making sure it is well coated. Roll piece in corn flake crumbs and place in baking dish. Add 1/3 cup of water to the pan, cover pan with foil and bake for 45 minutes. Remove foil and replace in the oven and bake for another 20 minutes. Remove from oven and allow it to rest for 10 minutes before serving.

Her secret was the fresh chicken and the rich taste the canned milk gave the chicken. The small amount of water she used in the beginning was to prevent it from drying out. If you can not find corn flake crumbs, it is easy to make your own and cheaper. I use the store brand of corn flakes to make my crumbs. It takes about 4 to 6 cups of flakes to make 2 cups of crumbs. Bread crumbs can be substituted but it will taste different. I have used this same basic recipe for pork chops, catfish and boneless chicken. I do adjust the baking time depending on the type of meat I use.

### Oven Breaded Vegetables

4 med. sized summer squash sliced about 1/2" circles  
1 1/2 cup bread crumbs  
3 egg whites beaten until foamy  
butter flavored Pam

Heat Oven to 400 degrees. Spray a large cookie sheet with Pam. Dip squash into egg whites and then roll in bread crumbs. Place on cookie sheet. Continue until all squash is coated. spray top of squash with

a light mist of Pam. BAKE FOR 10 MINUTES; FLIP SQUASH AND BAKE FOR ANOTHER 10 MINUTES. Remove from oven and allow to rest for 10 minutes and then serve.

This recipe can be used for eggplant, and most vegetables you would fry. What I do with my eggplant is use seasoned bread crumbs. When they are finished baking, I arrange them on a plate. I pour warmed spaghetti sauce over the eggplant and sprinkle non-fat grated cheese on top. Served with a salad, it becomes a meal.

Enjoy! I am still collecting holiday recipes and hope to hear from you soon. A hint when buying turkey, if you feel that a whole turkey is too big for your family just ask the meat department to split it in half for you. Most store butchers will split your turkey at no charge for you. I love turkey but not the eating of leftovers for the next week. I have found I can now fix turkey more often when I have them split.

Until next month, take time to look at the changing world around you. The fall colors are here again but only for a short time. The changing of seasons is happening all around you.

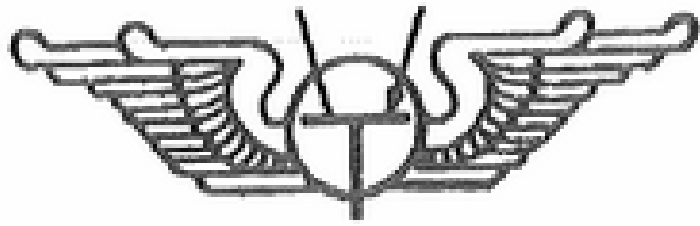
Linda, NILPN

*A personal note:*

*I know that lately the air waves have been invaded by a small army of no-coders who have none of the basic operating skills necessary to use a radio properly. I have listened to the frustration of many seasoned hams and heard their concerns. I am going to go out on a limb here and ask that you consider what I am about to suggest. The club of EARS is the only club I am aware of that is attempting to enlighten perspective hams on the joys of CW. They teach code along with theory. They have no-coders attending this class too. If ALL CLUBS followed the example of this one group, it could change the current situation we are now facing on two meters. They have 30+ students attending this fall class. I think it proves there are people wishing to learn code and proper radio operations and that it just needs to be made available to them. Think about it, NILPN.*

## In The SPOTLIGHT

This month we will Spotlight the AeroCenter Amateur Radio Club. Next month the club we will spotlight is WARC.



The Aeronautical Center Amateur Radio Club, Inc. was organized in Fort Worth, Texas with a group of instructors of the Civil

Aeronautics Administration (CAA) Signals Training Center. That group made numerous radio contacts under the call W0EHC/5 before the Signals Training Center moved to Oklahoma City.

Two of the CAA instructors, Carl C. Drumeller, W0EHC, and John Ott, W5HEV, set up a Collins Model TDO and a National RCK receiver in 1946 as the ACARC Radio Club began operations. The Radio Club organized the CAA Employee's Association and sponsored a number of special interest clubs at the Aeronautical Center until the Aeronautical center Bookstore became an entity unto itself and was divested from the Radio Club.

The FCC issued the call W5PAA to the Aeronautical Center Amateur Radio Club in 1947 and since has been active throughout the years by students and employees of the FAA. In the early years, W5PAA was a means by which students kept in touch with their home while attending training courses in Oklahoma City.

W5PAA received the ARRL WAS Award #5642 and the WAC Award by 1957. W5PAA has received numerous ARRL Public Service Awards for its activities in emergency services & civil radio defense communications.

These awards came from emergency service activities during the Alaskan Earthquake, involvement in the Magdalena Bay Rescue effort in 1965, and others. The State of Florida recognized W5PAA with its Public Service Award for communications efforts between Florida and Alaska during the 1964 Alaskan Earthquake. W5PAA was once a U.S. Army MARS station, AF5PAA, and also served as a check-station for the "Powder Puff Derby" for the International 99's.

W5PAA is located at the Mike Monroney Aeronautical Center, Oklahoma City, Ok, at Will Rogers World Airport. The club meets the first Thursday evening of each month at 7:30 P.M. and membership is open to any licensed amateur or person interested in amateur radio activities.

1995 Officers are: Bob Kremer, WA9FCT, President; Chuck Bryant, KB5ZVZ, Vice President; Brad Nelson, KJ0W, Secretary/Treasurer.

## DD6CF KILLED IN PLANE CRASH

The first European ham to fly in space has been killed in a tragic airplane crash. German astronaut, Prof. Dr. Reinhard Furrer, DD6CF, died when a stunt plane he was riding in crashed in Berlin on September 9th.

Professor Furrer and a fellow pilot and he were aboard a World War 2 era Messerschmidt ME 106 when the aircraft suffered apparent structural problems and partially disintegrated in flight. One report indicated that one wing broke apart just prior to the crash. Professor Furrer was not the pilot during the fatal flight.

Hams best remember DD6CF as member of the German D1 spacelab mission on shuttle Challenger 10 years ago. As such, Dr. Furrer became one of the first European radio amateurs to operate from space using the call sign DP0SL.

## SATELLITE FAILURE

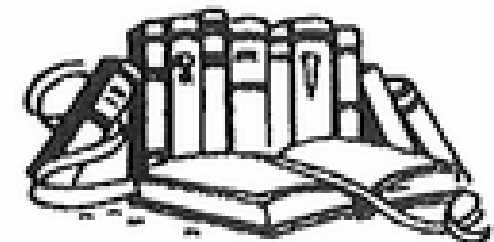
Chile's first satellite, FA Sat-Alpha, failed to separate from the first Ukrainian satellite SICH 1 after its launched from the Plesetsk cosmodrome in northern Russia. Several attempts have been made to separate the two satellites, but these operations have not been successful. If the Chilean satellite does not separate, the Ukrainian satellite will still be able to operate. FA Sat-Alpha will not be activated until it separates since it is programmed to start its functions after being jettisoned away from the SICH 1.

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*Bryan, Cindy, Jennifer and Jessica*



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## South Canadian Amateur Radio Society

### OCTOBER MEETING FOR S.C.A.R.S.

The S.C.A.R.S. meeting for October 14, 1995 was called to order at 9:30 a.m. by acting president Don, KJ5KB. With about 30 members present, everyone introduced themselves. Had some old timers come to this month's meeting.

### Radio Report:

Ken, N5BEW, reported that everything with the repeaters seem to be in working order and nothing serious to report. Ken explained the problem with the vhf repeater that we had sometime several weeks ago. It seemed that the radio kinda repaired itself, so to speak. Mike, KB5GJL, took the floor for a proposal that maybe the club sponsor a crossband radio, maybe a 2 - 10 meter crossband. More time and information is needed on this ideal, but if the club is interested this will be brought up at the next club meeting.

### Treasury Report

Bill, N5UMH gave the treasury report. The club's treasury is still in good shape and it was mention that maybe we can get Mike, N5SOF to go Christmas shopping for the club again this year for the club's party. Also, it will soon be time to renew your membership in S.C.A.R.S.. The month of December is the month to renew. Dues are \$20 a year.

### Elections

December is the month that S.C.A.R.S. is to hold elections. Last time we kinda waited late to hold the elections. Be thinking of members that you would want as officers for the club.

### Christmas Party

The club will need to decide where it will want to hold its annual Christmas party.

Ryans, Furr's and Golden Corral was mentioned and Don, KJ5KB said he will check into one of those places. S.C.A.R.S. will need to decide at its November meeting where it will be held and also time and date.

### Stolen Radio

Louis, W5UZD, had his radio stolen from his car on Saturday night, Oct. 21. The radio was an Alinco DR-570. Hope we don't hear any strange noises on the air. Just jokin' Louis.

Keith Miller, KB5FCI  
S.C.A.R.S. Secretary



## 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 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.

The Choctaw ARC will sponsor Novice/Tech classes starting September 8, 1994 at the Choctaw Community Center on Choctaw Rd. Times are not available at time of printing.

Amateur Radio licensing classes sponsored by Edmond Amateur Radio Society at St. John's Catholic Church (9th and Littler, Edmond) at 2:00 p.m. Sundays. Contact Frank Tassone 341-1124

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. - Noon, 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.

Midwest City Swapmeet on November 18 @ 8:00 a. m. til 12:00 p. m. at the Midwest City Community Center on the N. E. corner of Reno and Midwest Blvd. For further information contact Bill, N9SQV @ 390-1514.

### Central Oklahoma Radio Amateurs Inc.

Will Meet On

**Saturday, November 18, 1995  
1:00 p.m.**

at the

**Skyline Restaurant  
1631 SE 15th Street  
OKC, OK**

All CORA Clubs are encouraged to attend, this meeting is to allow the outlying areas to feel an active part of CORA. Come help us to make CORA prosper!!!



## Edmond Amateur Radio Society

## NOVEMBER EARS

Hope your Halloween time was fun. Perhaps the treats out-distanced the tricks, but I suppose that depends on if you were tricked or the one that initiated the trick. Either way, Thanksgiving is in sight now so on behalf of EARS we want to wish you and yours a super holiday season. May you find the opportunity to spend a bit of holiday time with that special friend or relative---particularly if this special time has evaded you, thus far, in 1995.

CLUB ACTIVITIES

## Classic Car Show

On September 30th, starting very early (6:00 AM) on that Saturday, EARS provided vehicular and pedestrian traffic control for this event which was co-sponsored by Edmond HOPE Center and Central OK Classic Chevy Club. The Edmond HOPE Center is a non-profit, social service agency that serves the needy. The event was described by EARS members as fun and interesting as the approximately 105 entries were diverse and brought back many memories. I understand there "were several cuties there, including some of the cars." EARS members serving their community at the Classics on Broadway were:

Edith Vaughn-KA5YPX  
Lee Vaughn -KA5WI5  
Toni Winnard-KK5LH  
Richard Winnard-KJ5QU  
Sue Snyder-N5VWI  
Kevin Means-N5USQ  
Clarence Dollmeyer-KB5RR  
Clara Granger-KG5UG  
Jana Thomason-N5KMJ  
Denise Thomason-KC5OVD

Thanks to Kevin for working both shifts while working as on-site event coordinator. Please thank your fellow club members for representing the club at this event. They gave up several hours away from family on a Saturday to benefit their community and EARS. As we all know, this is largely the group that rows the EARS boat.

MONDAY NIGHT INFORMATION  
NET

The Net control for the first Monday night of the month is Jim, N5OHL, who, therefore, did the Net on Oct 2nd. "OHL" always has a booming signal to match his strong voice. I like to listen to his direct signal which is a pretty fair shout across OKC into NE Edmond to my station of puny proportions; often a rowboat can find the Queen Mary. Opal, KB5BUK, indicated the only birthday for the week is Linda Miller, NILPN. Speaking of Jim, one of our licensing students clued me in on the phonetics of his suffix-Off Hunting Linda. Now that seems pretty cute. Edith, KA5YPX, reminded us of the club T-shirt and jackets which are in and about to be ordered, respectively. She is putting together the siren test for this Saturday which will be called by Jana, N5KMJ, due to Edith's work schedule. Richard covered "club happenings", and presented the stew-chili club pot-luck picnic scheduled for October 21st. A.C., KA5WGV, who is heading the nomination committee asked for folks to advise of their interest in the club officer selection process for 1996. As always, Richard eloquently stated thanks to club members for participation--this time it was the classic car show. He also remembered (true to KJ5QU) to present the fun side of an event. OHL refreshed everyone's memory on the fact that a club special events station will be held parallel to our Christmas Dinner. This year the Christmas Dinner will be in December. The last sentence to the benefit of a certain club member who has suffix something like United Kingdom.

## NOVEMBER BIRTHDAYS

We salute the following birthdays amongst our club members:

1st--Opal King -KB5BUK  
3rd--Bob Hebert -N5SAG  
4th--Jim Richardson -N5OHL  
9th--Terry Reed -N5SFM  
12th--Hayes Forbes -WA5ZSH  
14th--Linda Richardson -N5OJP  
17th--Ron Demas -KC5PLI  
24th--Tim Bethke -KB5GXH

BOARD MEETING

The October Board Meeting was held on the 11th at the club station. Seems like we got started a tad tardy. Something to do with most of us having to hold up an outside wall until Dee could get there. We did not work on Dee the least bit about him getting at our meeting site behind schedule. WE thank these club members for being at the Board Meeting: Jim Rynearson, David Wold, Ernie Wolf, Tim Melton, Matt Hohman, & Ken Snyder at the board meeting. The topics discussed included positive membership growth, 1996 club officer nomination committee, possible technical committee revisions (to include change in 2-meter repeater trustee), and up-coming club activities. Matt, KC5QQG, will pursue his idea about an electronics kit being available in the form of a TNC.

UNIVERSITY OF CENTRAL OK (UCO)  
HOMECOMING PARADE

EARS was extensively involved in staging, starting, and maintaining the Oct. 14th UCO parade. We gathered on or about 8:00 AM on that Saturday morning to "do the parade". The UCO homecoming committee was most gracious in requesting our participation. The official UCO Homecoming Poster was eye-catching in color/graphics and contained the sentence:

Assistance provided by Edmond Amateur Radio Society.

We enjoy and appreciate the credit given to us by the parade committee. Thanks to all EARS members who have worked this event over the years. Frank, AA5GI, served as on-site event coordinator with Kevin, N5USQ, doing the leg work, preparations and meetings (3) in order for EARS to be a viable part of the parade.



Thanks to Clara, KG5UG, and the calling committee for lining up our participants by telephoning, telephoning again, documenting and communicating. Some of our members who helped with the parade include:

Frank, AA5GI  
Kevin, N5USQ  
Clara, KG5UG  
Donna, N5PYV  
A.C., KA5WGV  
Tim, KC5OXM  
Matt, KC5QQG  
Sue, N5VWI  
Dee, WD5FHR  
Buford, KC5MXE  
John, WB5SYT  
Ron, KC5QCV

### CLUB PICNIC

Goodness! What a beautiful day that Saturday, October 21st, was for an amateur radio club picnic. The coolness of the morning gave way to a sunny mild afternoon for our group to gather at Hafer Park, in Edmond. The chili/stew pot-luck idea was superbly engineered by Richard, KJ5QU and Toni, KK5LH. If you don't think the time was enjoyed by all, then you may need a value clarification exercise or an episode of being hit about the head with N5KLI's chili stick. I think you would agree that N5KLI has a creative "hands-on" type personality that would take great pride in molding a stick to perfectly fit his chili pot.

Those desserts were also well-sampled by our crew who had worked up quite an appetite installing an HF antenna and working "a little CW & Sideband". Thanks to Dee for arranging and bringing our club station to the picnic. The Yaesu 757 and Kenwood 520 along with N50HL's antenna were welcome participants at the gathering. In putting up the antenna, there was a visible Iwo Jima pose that, N5IXV, orchestrated. Be sure and inquire about this pose when you next see Larry. The HF operation at the club picnic was a mere warm-up for our special events station scheduled for 16 December.

### LICENSING CLASS

You thought there was not to be an update as to our amateur licensing classes, didn't you-well, wrong old solder breathe. We are pumped about the quality & quantity of our "hams-to-be" who are currently in the 1995-1996 licensing class. Frank, AA5GI is doing an excellent job of motivating his students while keeping the chapters rolling-on by. I understand several class members will be taking the novice test soon as the technician portion of the class is just about to get underway. The class is expected to wrap-up in a VE test session after the first of the year. About 35 individuals are attending the class on a regular basis, with most, if not all, applying themselves to the code, as well as the theory.

I expect this class will make a strong-solid contribution to amateur radio, in general, and to EARS, in specific. Be sure and welcome the class members, while being a positive role model. The class members and their families, who reside in towns from Yukon to Stroud to Guthrie and all points in between, will be grateful for a few minutes of your quality time to explain, listen, & encourage.

### UP-COMING ATTRACTIONS:

Wednesday, November 8th @ 7:00 p.m.,  
Board Meeting-Club Station

Sunday, November 19th @ 2:00 p.m.  
Club Meeting-St. John's, the Baptist  
Catholic Church

Wednesday, December 6th @ 7:00 p.m.  
Board Meeting-Club Station

Saturday, December 16th @ 6:30 p.m.  
Christmas Dinner Meeting, St. John's

73-John, WB5SYT

### NO CELPHONES ON AIRPLANES

Not only can the captain of a commercial airliner ban you from using a cellular telephone while in-flight. So can the FCC. In fact, the commission did so back in December of 1991 when it issued a Report and Order on CC Docket 88-411. There, it totally banned the use of all cellular telephones on any aircraft while in flight.

The agency did not take this action primarily as a safety precaution because it feared interference to an aircraft navigation and communication systems. That came a few years later when the airline industry itself conducted an in-depth study of the potential problems caused by cel-phones and other electronic devices.

Rather, the prohibition was put in place to protect the cellular service itself from interference to multiple cell sites because of the wide coverage possible from altitude. Any ham who has ever operated a two meter hand held from a private plane knows that its possible to talk on several repeaters simultaneously from only a few thousand feet up. Can you imagine the havoc that even a low power pocket phone would have from say 30,000 feet?

Well, the FCC did and as a result the language in the Report and Order in docket 88-411 is very unambiguous. It simply says No. You cannot operate a cellular telephone from any aircraft -- large or small -- commercial or non-commercial -- while that aircraft is in flight.

The FCC did not ban the use of cellular telephones while a plane is on the ground, and many private pilots carry pocket phones for use after landing. But most airlines and then the Federal Aviation Administration took up where the FCC rules left off. They have instituted an across the board ban on the use of any transmitting device including cellular telephones and ham radio transceivers on board any commercial airliner at all times. Even when the doors are open and the aircraft is standing at the gate.

### NOTICE

The K5VFN - OKCD  
Repeater on 145.41 minus  
input has been PL toned with a  
tone of 141.3.





## Oklahoma City Autopatch Association

OCAPA Minutes  
October 17th 1995

The meeting was called to order by John, N5SAM at 7:30 followed by introductions of the 24 members and 2 visitors present. Shannon, KB5RBX was recognized for upgrading to General Class. Perry, KB5TOT was recognized for passing the Extra Class.

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

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

Christmas Party: Mary, KB5VNP reported that the Christmas Party will be held on December 18th at the Fraternal Order of Police building located at 1610 S. Agnew. There will be door prizes and lots of food and fun. Tickets will be available at the November meeting. Cost will be \$3.00 per adult and \$1.00 per child.

Field Day Committee: Due to several other commitments Gene, KJ5GX said he will not be able to chair this committee. There was a discussion about why this year's field day results were not published in QST even though the packet was mailed to ARRL on time.

Technical Committee: No report.

Club Trailer: The trailer now has 2 new tires. Propane lines are going to be installed this weekend.

Cora Report: Forrest, N5VWF gave a brief report on the last meeting including the election results and resignation of the MORI club. A special event station sponsored by CORA is being considered for the 1996 State Fair.

Vanity Call: Tom, WA9AFM gave a brief report on the latest changes in the program. We are still waiting for the 610-V form to be released.

The business portion of the meeting was adjourned at 8:00. Then Tom, WA9AFM gave an excellent slide presentation about the Phase 3D satellite that will be put into orbit later this year.

Jim Richardson, N5OHL  
Secretary

## From The VP.....

The October OCAPA meeting went well, with Tom, WA9AFM presenting a short talk on new satellite activity. Attendance was down a bit, and those not able to make the meeting missed a very interesting program. If all goes well Clarence will have field-day video tapes at the next OCAPA meeting in November. John, N5SAM, has also arranged a surprise program to be scheduled as soon as possible.

On the bands, HF activity, or DX contacts have become very few and far between. Most of the activity takes place during the day, which makes it difficult for those who work during the daytime to get much operating time. There is some activity on the lower bands, and as cool weather approaches the noise level on 75m and 160m is decreasing. Jim, WV5S and myself have been playing with beverage antennas, even winding a few matching transformers. We've acquired a few toroid cores and so far it's been fun to return to the building side of the hobby. While most folks don't have a lot of real estate for wire antennas, it is fun experiment with loops and long wire antennas. On several occasions I've been able to copy stations that were unreadable on conventional inverted-V type antennas.

Modern day amateur radios have all but eliminated the fun of building and testing, however, building antennas and station accessories can provide a good deal of entertainment for those who like to dabble in the technical side of amateur radio. Once I get all the wire untangled at my QTH, I plan to make another trip to the

local parts dealers and see what other projects I can begin. Technical skills are learned much like operating skills, by doing. I can't possibly describe the learning experience of roasting diodes or melting transistors and ICs. It's something everyone has to try before fully understanding the joy or pain of building.

By the way, CORA has elected new officers and is beginning work on next year's activities. OCAPA folks have always been very active in CORA, so please don't hesitate to offer your assistance to the CORA officers and those in OCAPA that work with CORA.

73 and Have a Happy Turkey Day  
Lloyd..AB5I

## Field Day Results:

The Oklahoma City Autopatch Assn's field day activities was not published in QST, so here are the totals submitted to the ARRL for scoring.

OCAPA operated from the traditional site at K5JL's home in Piedmont, OK as a 2A station. Call sign of the operation was K5NK, with KB5RBX as the call for the Novice/Tech station.

K5NK was able to make 666 total CW contacts for a total CW point count of 1332. Number of Phone contacts was 982 for 982 points. Total points for QSOs 2314. Multiplied by 2 for power class equalled 4628.

The novice station managed to give 4 CW and 172 Phone QSOs to the totals.

Bonus points for 100% emergency power, media publicity, location in public place, information booth, satellite, vhf/uhf and packet operation along with copying the W1AW message were also earned.

Overall more than 75 people were at the field day site to assist in setup and operation which began prior to 1800Z the start of the contest. OCAPA should be proud of the results they got as we were able to work as a team. Lets keep up the good work and be ready for next year.



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

### Minutes of October Meeting

There wasn't one, silly! The wiener roast at Lake Thunderbird was supposed to include a meeting but some local football team decided to have a televised game at the designated time and some of our members were glued to the TV set. (TV set in the boonies?) Just as well. A meeting would have only interfered with the wiener munching and story telling.

The wiener roast was quite a success. Charlie, WA5JGU, had set up his camping trailer, as did Jackie, KA5ENU, and the place was swarming with VHF Clubbers. The sign-in sheet contained 24 names. Charlie kept the fire hot and there were plenty of wieners to eat and tales to tell. Gene, K5DLE, with his MFJ-259 SWR Analyzer pronounced Jackie's mobile antenna fit but he had to get Charlie up on the ladder to resolder a broken wire before his antenna would pass muster. They both sounded good in Midwest City on 75M the next morning. If you didn't make it, you missed a good one. Joe, K5JB, Sec'y

### TCP/IP Report

As most of you know, I have written about a hundred C&E articles about packet radio. Most of these articles told *more* than you wanted to know about packet radio, and some told *more* than you wanted to know about TCP/IP. I am the Oklahoma packet radio TCP/IP address coordinator and have been suggesting it for a long time to those who wanted to do something beyond the ordinary with packet. But, TCP/IP has failed to gain popularity; few stations are using it. I thought I would report on the state of things, with some opinions about why it is not doing so good, when TCP/IP on the Internet (telephone stuff) is booming. In a nutshell, I see two reasons why it isn't more popular. 1. It is hard, and 2. it is slow.

First a quickie review of what TCP/IP is. TCP/IP is the term used to describe a suite of

protocols, or rules, that are used to transport information from place to place, and guarantee its integrity. TCP is one protocol, and IP is another, but I won't go into that now. Suffice it to say, TCP/IP is what provides the pipeline. The protocols that manage the information that is sent through the TCP/IP pipeline have names like FTP (file transfer protocol), SMTP (simple mail transfer protocol), and telnet (remote login capability).

There are other protocols available, but because of problem number 2, the poor speed, they aren't very useful. SMTP is the most useful protocol on amateur radio because it is not real-time; and, it is the most robust way to send amateur radio mail messages between computers. If you have perserverence to spend lots of time at a keyboard, telnet is OK for doing chatting, but there are other packet radio programs that are easier to use (and look better). The hard thing about TCP/IP is that there is so much to read, and *learn*, about it to use it effectively.

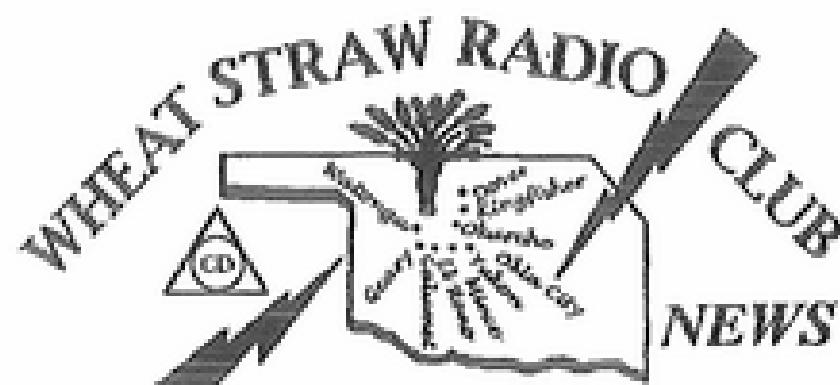
There are some misunderstandings. Packet radio TCP/IP is not Internet, or even *like* Internet, because it is so slow. Comparing an amateur radio TCP/IP network to the Internet is like comparing a Yamasquwkie 2 meter HT-2000 with its 2.5 Watts and 2000 memories, to the Voice of America. They don't compare. Those who try connecting the Internet to an amateur radio packet network with a gateway are trying to connect a fire hose to a soda straw. It would only be useful for SMTP mail forwarding, and that is about it! A typical Internet connection, like I have on my phone line at home runs at 28.8 thousand bits per second, while the typical amateur packet radio circuit is lucky if it can hit 30 bits per second! It shouldn't take a rocket scientist to figure out there would be a problem here! (A radio and TNC set up to run 9600 bps on a gateway might be able to get a few thousand bits per second if it only has one user connected, but that isn't what happens folks.)

A lot of people enjoy packet radio when they can find someone live on a keyboard and can engage in a leisurely chat. There are a *lot* of ways to do that that are better than TCP/IP. On the other hand, my style is to sit down, type up a message, and get up to do

something else while the computer does the grunt work. *That* is where the TCP/IP's SMTP is neat. I have been sending a fairly large message (6000 characters) to a guy in Bartlesville today. The circuit is pretty poor and the computer has been working for 8 or 10 hours trying to deliver that message. When the link collapses, SMTP waits for 10 minutes and tries again. If it finds an opening, it squirts what it can before the link dies again. Meantime, I am doing other things.

I have assigned a lot of IP addresses, but only a few ever get used. A couple have really gotten into it in a big way. J, KB0QJ has a system so complex it takes two of us to understand it, heh! Norm, N0ELS, has a key gateway in Moore that is really interesting. Not only does he provide key switching between the netrom backbone to Duncan and other places, he has one of the Mesonet products, called "CTR" on his system, that is automatically made available by doing some TCP/IP tricks. Gary, N5PVQ, automatically sends a mail message to Norm when he receives an updated central Oklahoma weather observation, and Norm's station automatically puts into a file that can be downloaded by typing "ctr" when connected to his system. I wrote all the little doodads that makes that work and have some more tools up my sleeve when Gary, or Ken, N5KUK, are ready to feed the amateurs with other weather products. During the thunderstorm season the Oklahoma Thunderstorm Outlook (OTO) is distributed by BBS from the weather service, and my station automatically mails the thing to the IP connected stations. But, the outlook has to be posted manually to the K2GKK BBS. I have tools ready to do this automatically when the weather service is ready. This is the kind of cool thing that TCP/IP provides, but simple, it is not.

I fully understand that most amateurs aren't interested in how things work any more, so I have quit trying to push knowledge on the unwilling. I am always delighted to meet someone with a spark of curiosity though, and can give more answers than most really want. I may have "been there, done that", but also I am "being here and doing this!" As long as there are things to learn I will keep learning. Joe, K5JB



### Wheatstraw Meeting

The October 8, 1995 meeting was held in the city hall in Calumet, OK.

Meeting was called to order by Neil Kapus, N5KCO, in the absence of the president and vice president due to illness. Self introductions were made by all. Joe, WA5FLT, read the minutes of the previous meeting. A correction was made; the secretary had placed the date as 1993 instead of 1995.

The treasurer report was given with no questions or comments.

The chair called for any new business; it was silent. Neil asked why it was so noisy at the beginning of the meeting and now so quiet. A comment was made that they were scolded during the reading of the minutes earlier.

Old business came up quickly. The annual **Christmas dinner** will be held December 10, 1995, at the End-O-Main, Inc. 210 East Main, in Watonga OK. Reservations will be needed by number in the party. Everyone is welcome; just check in on the 9:00 p.m. Wednesday night net on 146.01-61 repeater for information.

The new antenna is ready to be put up on the tower. Hopefully it will be by the next meeting.

Ray Selby, K5LLX, of Kingfisher, is in the Kingfisher hospital and he is not doing well.

The next meeting will be November 12, 1995 at the Community Center in El Reno, OK. Tom, N5IKN, has already made the reservations. Meeting will start at the usual time of 2:30 p.m. Come early for fellowship and visiting. The building is located from the west side of the old Homeland building on Sunset drive, north about five blocks on

right side of street. Look for radio equipped cars.

The El Reno locals will call net. If it is convenient some of us will pick up net control.

The secretary wrote a note at the end: "Best meeting we had in years!" I guess I will have to miss a meeting more often. Tom, N5IKN, moved to adjourn, seconded by Margaret, WA5RLP. Meeting adjourned for refreshments.

Joe, WA5FLT, gave a presentation of the long distance telephone network and how a 1-800-xxx-xxxx call is handled.

Joe, WA5FLT, Secretary

### Lemon Grass Cooking

Last spring we were down near Duncan, OK, visiting our daughter and her family. Her husband Frank had to work overtime. Carol drove us east of the south side of Duncan on highway 7. We went to a greenhouse that specialized in herbs and home remedy for bad garden insects.

Goldie got a small pot about four inch in diameter with a five inch tall plant called lemon grass. She put it in partial shade in the yard. It has kept shoots coming up until it is about ten inches in diameter and three feet high.

She did a little experimenting last Monday. She went out and cut some of the long blades of the grass, sprinkled the two chicken breasts with seasoning salt, then split the breast open in about four places lengthwise. She opened the splits and put a blade of the lemon grass in each split. Then she wrapped the chicken around and around with long blades, put the breasts into an electric oven and cooked until good and tender. After taking out all the grass she served it with potatoes, green beans, creamed corn. She topped that off with zucchini, pineapple, and zucchini bread baked in a muffin pan.

It was good eating! Ralph, WA5PFK

### Tips From Capper's

Make peeling easy -- Soak garlic cloves in hot water for a few seconds. The skins will

slide off the ends. We have a variety of garlic that stands the winter month well and keeps growing. The cloves are plump, have uniform bulbs, and are good keepers. It has a tight, thin skin, and are hard to peel.

A simple appetizer -- Cucumbers, topped with blue cheese, are a delicious appetizer. Stir blue cheese into plain or herbed cream cheese to taste. Dollop onto sliced cucumber rounds and top with pimento, or a sprig of dill.

Clean piano keys -- To clean ivory piano keys, rub with half a lemon or apply a paste of salt and lemon juice. Then wipe keys with a wet cloth.

### The Dumbwaiter by Betty Gillespie

My folks had a dumbwaiter for years on the farm. It wasn't the kind of waiter you leave a 2-cent tip for when you get poor service. It was a set of movable shelves located in a shaft in the kitchen which could be lowered to a small cellar by means of a small pulley.

The top shelf was reserved for a large pitcher of milk. The milk was fresh from the cows, not pasteurized or homogenized. Cream, so thick it could hardly be poured, was skimmed from the top for whipping, or for making tender, tasty, baking powder biscuits, or to use in place of milk on hot oatmeal.

The peanut butter that sat on the second shelf was also un-homogenized. The first person to open the jar was responsible for stirring in the pool of oil lying on the top. It was a very gummy mixture.

Big, white, home laid eggs were stacked in a large bowl on a lower shelf with a saucer of butter which, in the summer never stayed very firm, and tended to develop a rancid smell. (That made it taste better.)

Other shelves might hold things like pies, cakes or apple butter, all homemade, and fresh fruits and vegetables in season.

If mother happened to be busy elsewhere, we kids played elevator, taking turns riding and pulling the ropes.

Long after Dad moved a nice, new, white refrigerator into a corner of the kitchen, Mother still used the old dumbwaiter. To her it was still a thing of convenience and pride. No one else we knew had one.

I wish I could go back to that white Iowa farmhouse, walk around the kitchen table, pull open that narrow wainscotted door by its shiny white porcelain knob and peer in. I'd like to be able to skim off some cream, taste and see and smell all those wonderful old memories.

### Our Pet Cow

Back in those days each rural home kept one milk cow to provide fresh milk, cream and other dairy products, in exchange for gentle care and feeding. A human-animal closeness could develop that bordered on affection and the family cow often became a family pet. Ralph, WA5PFK

### My Mother at Christmas

My mother had thirteen children, seven of her own and six step children. The step children were married and gone except two when mother and dad were married. In a short number of years the two were married.

We always bought our flower in fifty pound sacks as they were called. The most money she ever had to spend for us boys on Christmas was one dollar. With only one dollar she could not buy much. That's where the fifty pound flower sacks came in.

Mother took the saved flower sacks, washed them, then made the squares the size of a regular handkerchief. He hemmed the homemade handkerchiefs, then she would embroider a pretty flower, or a small animal in one corner, wash them again, rinse them in a small amount of warm water with a small amount of starch. The home starch was basically white flower mixed with warm water so it would not be lumpy. As she ironed them they were folded so the embroidered item would be on the outer fold. Then it was ready to be wrapped for Santa.

As I sat here trying to think of something interesting for amateurs, being this close to Christmas, my mind doesn't seem to let go of Christmas. I have always and still be-

lieve in Christmas with Santa Claus. Since many of us are older adults I would like to copy a poem I read.

### Christmas Wishes for Senior Citizens

By Jo Jeanne Treadway

If I could do what I would like to do,  
I'd give a special Christmas gift to you.  
No fancy package of satin bow --  
Just magic wishes for the ones I know.

I'd zig your body where it may have zagged,  
And lift you up in places that have sagged.  
You'd wear no bridge to fill a toothless space,  
Or store bought teeth designed to warp your face.

I'd make you slim without one diet pill,  
And folks would never know you've climbed the hill.  
I'd take away the fat beneath your chin,  
And you could find your hidden neck again.

I'd mix a tasty drink to end all pain,  
And you could throw away your walking cane.  
Then I'd perfect a good cholesterol,  
So greasy food would be best of all.

I'd plant a button just beneath your skin,  
That you could punch to hold your stomach in.  
And to prove how much I really care,  
I'd put a motor on your rocking chair.

But the gifts you would receive from me,  
Cannot be placed beneath a Christmas Tree.  
I wish you loads of love and Christmas cheer,  
And may God bless you day by day next year

### No More Lonesome Christmases

Something like two years, or so ago, Goldie and I spent the whole Christmas day alone at home. We realize our children's spouses have families too, and they are entitled to go visit their families on holidays. But, I told Goldie never again. If nothing else, we will ask someone to come have Christmas dinner with us. Ralph, WA5PFK

### The Unexpected Child

Here I sit on Christmas eve  
alone within my room,  
peeking out my window  
through my shades of gloom.  
Outside I see people  
joyfully scurry by;

They don't even know I'm here;  
I haven't caught an eye.  
I think of my youthful days  
when I had no hair of gray  
Remembering all the joy I felt  
approaching Christmas day.  
I had family  
and friends of many;  
we embraced the season  
with good cheer,  
But now they are gone forever.  
Even my dog shadow isn't here.  
At my ripe old age of creaking bones  
and tired back and feet  
I sit alone remembering  
when I was not so old and weak.  
Just as I was drifting  
into a sugarplum dream  
I heard a knock. A caller?  
Unlikely to be seen.  
Once again there was a tapping  
at my rickety old door.  
Outside stood a small child.  
A face of an angel  
is what I did see;  
When I said, "Hello,"  
the child smiled with love at me.  
"I'm the little girl  
that lives across the way.  
I didn't want you to be alone.  
Tomorrow's Christmas Day!"  
"I have a gift I made myself  
Won't you take it please?"  
Then the child reached out  
and gave my hand a squeeze.  
Thinking I won't be alone,  
my eyes began to tear.  
I didn't even know  
the child saw me here.  
"Would you like to come in,  
have some bread and tea?"  
Her mother said it was fine  
with a nod and smile at me.  
We got to know each other,  
became friends and laughed with cheer.  
An unexpected child brought  
enough love to last all year.  
I think of that Christmas often  
and the child that came that night.  
The unexpected gift of love  
made my Christmas merry and bright.

May God bless and keep you with good health. Merry Christmas to all and a Happy New Year. Ralph, WA5PFK

## Amateur Radio Newsline

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### OPEL FOLLOW-UP

If you've ever wondered just how helpful amateur radio can be during disasters, look no further than the Gulf coast. With Hurricane Opal pounding northwest Florida and southern Alabama, amateur radio operators found their services and resources in great demand.

On 75 meters, hurricane disaster nets are in full operation. Some amateurs are on the air around the clock while Opal slams ashore near Pensacola October 4th. Emergency communications on HF are just one of the services amateur radio operators provide. Central Alabama's VHF and UHF amateur frequencies are full of storm related traffic. People fleeing the hurricane arrived in Birmingham to stay in Red Cross shelters. Boyd Bradshaw, KB4GDN, was part of a communications effort starting at 7:30 Wednesday morning October 4th, an effort in part to help the Red Cross:

"They had approximately 12 shelters set up in the Birmingham area. We provided some communications to shelters that did not have telephones due to flooding the previous day. The net stayed in session until 2:00 AM the next morning. We were constantly taking damage reports and relaying those to the AMA Office and also relaying the position, status and what to expect to in the weather because most people were without power." Bradshaw

Power was a problem for the Red Cross at its hurricane staging center just south of Birmingham. The center is located in a shopping mall and has no backup power. When the lights went out, so did the phone system. Amateur radio came to the rescue with members of the Birmingham Amateur Radio Club bringing in the Club's 10-thousand watt generator. The

generator provided power until commercial electricity could be restored. Radio amateurs worked closely with Alabama emergency management agencies, forwarding damage information and even a report of a tornado which the National Weather Service was not aware of.

Hurricane Opal brings a lesson about emergency preparedness to amateur radio. Opal caused one of the worst power outages the state of Alabama has ever seen. In fact, nearly a quarter of a million customers were without power three days after the hurricane hit. Many of the hams relaying emergency messages were able to do so only because they had emergency power.

### ST CROIX TRAFFIC

Another recent tropical storm is still in the news. Robert Puharic, WF3H, says via packet that he monitored Federal Emergency Management Association communications on 14.776 MHz passing messages into ST Croix following Hurricane Marilyn. He then called FEMA in Washington, DC to find out what the conditions are for getting traffic into the islands.

In true bureaucratic style, a FEMA spokesman told WF3H that the Washington office was unaware of personal traffic going into the islands on HF. He was also told that if he had questions about people in the islands to contact the Red Cross.

Oh yes. We forgot to mention that WF3H had already spent a day on 20 meters running traffic to the hurricane devastated region!

### IMAX IMAGES OF SHUTTLE-MIR AVAILABLE VIA INTERNET

Hams with Internet access will find several dramatic new images highlighting the historic docking of the Space Shuttle Atlantis and the Mir space station are

available on the world wide web. The high resolution images show crew activities and views of Atlantis taken from Mir recorded using a 70-mm IMAX camera.

Links to the collection can be found on the "Today at NASA Home Page" on the world wide web.

### ED STULKA, W4QA - SK

Ed Stulka, W4QAU, has died. Ed started his space career as a test engineer on Explorer I, America's first satellite. He put his ham skills to work to develop a mobile tracking station that was instrumental in getting data from the satellite during its early passes.

Ed also worked on the Apollo program and was one of the lead engineers on the Boeing IUS upper stage flown on the Shuttle. Ed Stulka was 67.

### DX

In DX, EI4BZ, informs us that he hopes to go mobile and activate some squares each Tuesday evening on 80 meters from 19:00 UTC. He adds that other mobiles are welcome to join in for a contact. QSL as directed.

And interest in the Worked All Ireland Award continues to grow. Quite a few amateurs are now operational on or around 3.670 Mhz from 19:00 UTC time most evenings. If you are in the shack, do give a call on 3.670 as recent activity has seen up to twenty operators on the net.

JA7AYE portable VP5 is currently active from the Tirks and Caicos Islands. His length of stay is unknown at this time, but he has been heard on 20 meters throughout the day. QSL via JA7ZF.

Also, from Israel 4X6TT has announced a second joint Israel and Jordanian expedition to commemorate the first anniversary of the peace treaty between the state of Israel and the Hashemite Kingdom of Jordan. The operation will

take place October 25-31st, this time on the Israeli side very close to Ein Evrona where the peace treaty was signed. The callsigns of the Jordanian and Israeli team will be 4X7JY and 4Z7JY. The last joint operation took place in Jordan using the JY74X callsign from Mt. Nebo. Look for the operation on all bands from 160 to 6 meters using CW, SSB and RTTY.

Operators of the Frankford Radio Club that will be active from Antigua as V26B in the CQ World Wide SSB Contest operation on October 28th to the 29th. There will be two awards available for contacting V26B. A regular certificate for working them on 10 through 75 meters during the contest and a special certificate for contacting them on 160 through 10 meters. QSL requests will automatically get you the certificates if you qualify.

Also, G3MRC has returned to Zaire as 9Q5MRC and has been heard on 18.081 MHz around 18:45 UTC. Joe also has plans to operate from Burundi at a later date. Also active is 9Q5TR, who can sometimes be found on the 14.226 MHz DX Net around 22:30 UTC. QSL both to their Callbook address.

## ARRL HONORS NY HEROS

The American Radio Relay League has given its highest possible honor to a New York area radio amateur. At its September 16th Executive Committee meeting in Albuquerque, New Mexico, the committee voted unanimously to present its National Certificate of Merit to Henry Borawski, KB2PFP. This for -- and we quote -- "the bravery of his actions in responding to the World Trade Center bombing."

According to ARRL Hudson Division Director Steve Mendelsohn, WA2DHF, Borawski used Amateur Radio to assist citizens trapped inside the World Trade Center after the bomb went off. Mendelsohn who sponsored the Borawski nomination says that the award was given in recognition of the professional manner in which KB2PFP performed his acts of heroism.

At the same meeting, the Executive Committee also took note of the heroic efforts of numerous Long Island, New York hams who donated their communication skills in assisting firefighters beat back a six thousand acre blaze. The committee singled out three hams, Section Manager Rick Ramhap, N2GQR, Section Emergency Coordinator Mario Maltese, WF2T and Suffolk County District Emergency Coordinator Andrew Feldman, WB2FXN, for special praise.

## PUTNAM VALLEY NY ANTENNA WIN

Ron Goldstein, KA2IIA, says that he has wanted to put up some kind of ham radio tower and antenna for 15 years, but could not because of zoning regulations and a stubborn member of the zoning board of appeals in Putnam Valley, New York. A board member that Goldstein says is a ham.

Goldstein says that one night about 13 years ago, at a local ham radio club meeting, he approached the ham and asked him how do I apply for a variance to erect a tower. His answer was, "Don't even apply, I'll vote it down".

Because of that, KA2IIA says that he struggled for years getting pounded in pile-ups, not being able to work most of the rare DX on the bands. Even so, Ron still managed to get his Worked All States and DXCC with 131 countries currently confirmed.

Then something happened. The ham who was blocking his antenna retired from the board. At the same time, Goldstein heard that there was talk in town about rewriting the Master Zoning Plan.

While there are over 30 licensed hams in town, only about 10 are active. Some of them attended many zoning board meetings to explain that local governments are not allowed to regulate Amateur Radio Antennas.

"Five or six of us got together and we attended the zoning board meetings. And we introduced them to PRB-1 and

introduced the all the town board, the zoning board to different zonings from different towns around the country and we finally convinced them that they are not allowed to regulate ham radio antennas or radio frequency interference." KA2IIA

Since then, the new zoning regulations have been published, and Amateur Radio antennas are now allowed with a maximum height of 100 feet. But that's not all:

"At the last meeting I stood up before the town board and I said, 'Let me hear your views on ham radio antennas.' And the acting head of the board turned to me and said 'I have an aunt and uncle who are ham radio operators and I see no reason why you guys shouldn't be allowed to put up what you want.'" KA2IIA

That's More than enough says Goldstein for his needs and that of any other ham in town. Talk about a big win for ham radio.

But there is another aspect to this story. Goldstein says that the American Radio Relay League was of very little help in his antenna rights crusade. That part in a future Newsline report.

## AUTOMATIC LICENSE RENEWAL

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 new Form 610-R may be signed, dated, and returned to the FCC to renew the license, provided that no changes are needed. For other changes along with renewal, it will be necessary to file a regular FCC Form 610.

The Commission's Gettysburg facility expects to mail more than 5000 such notices covering expirations from December 1 to December 20, 1995. By the way, there is no government fee for an amateur radio license renewal.



In a related story, 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 and is fully operational.

## VANITY CALLS

Vanity call signs are once again on their way, but even the FCC is not certain when. While the commission has issued a Memorandum Opinion and Order disposing of a myriad of petitions for reconsideration on vanity call sign program, the needed filing form 610 V is still not available and may not be until sometime in 1996.

As to the petitions, the FCC has granted most of them including one that creates yet another gate. Called Gate One A, it follows Gate One and is for radio clubs that held club call signs prior to March 24, 1995. The idea here is to permit them to apply to obtain a new club call of a deceased member.

The FCC has also agreed that call signs reflecting locations outside the contiguous 48 states will be reserved for stations whose licensee's mailing address is in that geographic area. An exception to this limitation is applicable to close relatives of deceased amateurs, and former holders of a call sign. Applicants requesting call signs in normal call areas are not limited by their location.

Finally, in order to obtain a vanity call sign the licensee must hold the requisite class of license. In other words, if you an Advanced class call sign and let it lapse, you will have to get your Advanced class ticket to get that same call under the program. This also applies to close relatives of deceased amateurs.

Now that's the good news. Heres the bad. While the effective date of the rules changes is November 17th, this is not -- we repeat -- this is not -- the start date for the vanity call sign program. That will not be announced until the elusive Form 610-V is finally made available. Until it is, the opening of Gate One and the overall vanity call sign program itself remains on indefinite hold.

## HATE MAIL VIRUS

The neo-Nazi packet messages calling for genocide against minorities is a radio relayed computer virus as well as a message of hate. So say several European hams who have been tracking the messages ever since it first appeared and have now broken its source code.

DL2HBX reports via packet that the virus triggers only if a receiving station reads the hates messages in the "remote on" mode. This says Uli, causes automatic regeneration of the hate message, passing it right back into the system and on to the next unsuspecting victim.

Several Austrian operators who have intercepted the messages are now saying in their packet postings that the virus can also mutate. That is, it can regenerate the same text under a brand new bulletin identifier. This says the European packet operators, give a system operator a false sense of security. He thinks he has cornered and killed the virus laden message. But by the time he has acted the bulletin has literally left his system and taken on a new life of its own.

Many Europeans hams are now openly speculating that the source of the original message may have been from other than ham radio. Some believe it got its start on the Internet and found its way onto the ham bands through someones unattended packet gateway tied to an internet provider. If this proves true, it could mean that a non ham was the actual writer of the hate mail and its virus sub-routine. It also means that unrestricted ties to the internet could be hazardous to the health of packet radio.

## UK GOVERNMENT SAYS YES TO HF NO CODE

The radio regulatory agency of the United Kingdom says that it will backs worldwide no-code licensing for high frequency ham radio operations. Word comes in the form of a notification to the Radio Society of

Great Britain from the United Kingdom Radiocommunications Agency, the British equivalent of our FCC.

According to the RSGB, and as reported last week here on Newslite, the New Zealand government is to propose the abolition of the international requirement for radio amateurs to pass a Morse test. This, prior to being permitted to use the HF bands. The RSGB says that it now understands that the government of United Kingdom intends to support this proposition.

The Society says that it has protested to the Radiocommunications Agency the government decision to support New Zealand. RSGB contends that it runs contrary to the views of UK radio amateurs expressed in a survey carried out by the Society in 1993. The RSGB says that the governments pro code-free position also appears to ignore the policy of all three regions of the International Amateur Radio Union.

But it now appears as if several of the worlds most prominent governments care very little about what the current ham radio community wants. Both New Zealand, and now the United Kingdom are telling their hams that whether they like it or not, no-code is a way whose time has come.

## HAM COLUMN CANCELED

Speaking about Popular Communications Magazine, word that a weekly column on ham radio, communications and broadcasting written by Pop Comm editor Chuck Gysi, N2DUP, has been canceled due to budgetary constraints at an Iowa newspaper. The column, which promoted amateur radio activities in eastern Iowa and western Illinois for more than five years, appeared for the last time on September 3rd. This, in The Hawk Eye, a daily morning newspaper in Burlington, Iowa, with a circulation of about 20,000.

Gysi wrote 284 On The Air columns during its run. It is uncertain at present whether it will be picked up by any other publication. Gysi's ham column was one of only a handful that appear in newspapers across the United States.



PLEASE PRINT			
I		Call	
NAME			
Address		Apt	
City		State	Zip
Telephone		Do hereby transmit my dues of	
\$	X	Total Paid	
YEARLY AMOUNT	NUMBER OF YEARS		
In the (Club Name)			
Month and Year ending: /		Date Paid: /	
YEAR/MONTH		YEAR/MONTH	
<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			
NEW	RENEW	DROP	CHANGE-OLD ZIP/CALL

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

## ELT INFO NEEDED

K3GPJ, says via packet radio that he is looking for information on available aircraft band receivers to monitor for downed aircraft emergency locator transmitters. He hopes to interface this with a mountain top repeater and would like to hear comments from anyone who has done this.

He specifically needs information on the receiver used, how it was interfaced, and what problems have been encountered in the operation of this monitor. You can contact K3GPJ at his Callbook address.

## SAFEX ON MIR

German Cosmonaut Thomas Reiter, DF4TR, has arrived on the Russian Mir space station with the new SAFEX 2 repeater in space. Reiter will stay on the Mir for 135 days and as time permits he will operate as on 2 meters as DP0MIR and also install the first module of the new SAFEX Two, 70 cm space repeater. This section will only be capable of FM voice and frequency shift keying at 9600 Baud for packet relay operation. This latter mode using the G3RUH system.

Thomas Kieselbach, DL2MDE, and Joerg Hahn, DL3LUM, of the Ham Radio Group of DLR -- that's the German Mission Control for EUROMIR 95 -- they have announced that there will eventually be regular ham radio video transmissions from Mir. This, by means of a new "SSTV" mode that will transmit pictures, taken by a still video camera aboard MIR, in AX.25 packets.

Kiesenbach and Hahn say that the new protocol will not generate the normal line by line video. Rather it uses a random sampling system. This makes it is possible to have an idea of what the picture looks like after a short time. The resolution improves as the transmission is being completed.

Eberhard Backeshoff, DK8JV, author of the well known JVFX program, is in charge with the software development of this new system. He will make a receiving program available as soon as it is completed. He asks that nobody send any requests right now, but stay tuned for further information on its availability, which will be released soon.

As to when the SAFEX 2 FM voice and packet repeaters will be on the air from space? This information has not been released. At least, not yet.

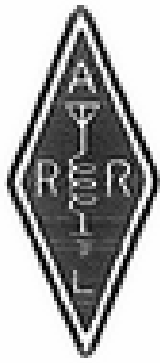
## MILITIA NETS

With all the talk about militia groups in the news these days, it may not be much of a surprise to know that several of these groups are taking to the ham bands. According to several packet radio postings, a national high frequency militia radio network is being formed. Those behind the net say that they are doing it in the hope that once initial contact between the various elements of the militias is accomplished they will each develop their own net times and frequencies.

The first of these regional militia nets was scheduled to begin earlier this month on Friday at 22:00 eastern time on 3960 Khz. This is followed by a national Militia Net intertie at 22:45 Eastern Time on 14.275 Mhz. If these frequencies are busy -- and if the net tries to use 14.275 you probably will hear some gunfire you might want to look up the band. The nets are reportedly controlled from -- and we quote from their press release -- Dallas -- in the free Republic of Texas.

*This is a sign of the times, militias, hate groups and more. The ham community should know better than let this type of activity take place. I know how hard it is to try to stay neutral in such instances but we must try.*

*The Editor*



## A. R. R. L. Bulletins

From ARRL Headquarters  
Newington CT

**ARRL Bulletin 97**  
October 20, 1995

### Morse speed change denied

The FCC has denied three requests to lower the Morse code requirement for the General Class Amateur Radio operator license.

The requests, in the form of letters, came from three Technician-Plus class licensees. All three asked that the 13 wpm Morse code requirement for the General Class license be lowered to 5 wpm. Two of them also asked that the Technician-Plus operator license class be eliminated and that holders of Technician-Plus licenses be granted General Class operator privileges.

In an Order released October 19, 1995, the FCC said "The current amateur service license structure and examination requirements were developed in accordance with the expressed desires of the amateur service community through numerous rule making proceedings that generated many thousands of comments.

"The amateur service community indicated on each occasion that it strongly desires to preserve communications by telegraphy. After considering the views expressed in those proceedings, the Commission adopted the rules that are codified in Part 97" (of the FCC Rules).

"The requesters have not presented sufficient evidence to justify revisiting these matters at this time," the FCC said.

**ARRL Bulletin 96**  
October 17, 1995

### FCC OKs closings plan

The FCC has approved a field office restructuring plan that it says will improve operations and save money. The plan, submitted to the Commissioners by FCC Chairman Reed Hundt on August 17, would automate the FCC's network of airwave monitoring stations and reduce the number of field offices and field personnel in the Compliance and Information Bureau (CIB).

The plan also will improve public information services by establishing a new toll-free national call center, the FCC said. The Commission's field enforcement activities would be maintained at current levels.

The plan would close nine separate attended high frequency monitoring stations, and three additional monitoring sites within FCC field offices. Technological advances permit the replacement of these monitoring stations with a national automated monitoring network by the summer of 1996, the FCC said, and "overall, monitoring capacities will be enhanced." One facility in Laurel/Columbia, Maryland, will remain as the network central station.

The new FCC Call Center would, for the first time, enable the public anywhere in the United States to call one toll-free number to reach the FCC for information or to report complaints. The Center will handle this function more efficiently, and with greater convenience to the public, than is now possible in the dispersed field offices, the FCC said.

The FCC said that, under the plan, authorized staffing in the CIB will decrease by about one-third by the beginning of FY 1997. The CIB plan will require an investment of 5 to 7 million dollars in equipment and personnel in fiscal years 1996 and 1997 and the Commission estimates it would save more than 8 million (in current dollars) annually thereafter.

Hundt said, "The CIB restructuring plan will enable us to enforce the rules that govern the nation's airwaves better and cheaper. We will also be able to provide

information services to the public better and cheaper."

As is required for all major FCC reorganizations, the CIB restructuring plan must be reviewed by the House and Senate Appropriations Committees. At the same time, the FCC will begin required negotiations with the union that represents FCC employees.

More information is in November 1995 QST, page 92.

**ARRL Bulletin 94**  
October 12, 1995

### Digital Rules Clarified

The FCC, responding to a request from the ARRL, has clarified its rules regarding amateur radio stations' use of digital codes.

The ARRL, in a letter to the Commission, said that some amateurs had expressed concern about the propriety of using the Clover, G-TOR, and PACTOR codes on the HF bands (below 30 MHz), because FCC rule 97.309(a) "appears to authorize" only Baudot, AMTOR, and ASCII codes. The League told the Commission that it had worked with the developers of Clover, G-TOR, and PACTOR to document the technical characteristics of those codes, and asked the FCC to remove any doubt about their legality on the HF bands.

The FCC agreed, saying that the use of the three modes does not conflict with its objective of preventing the use of codes or ciphers intended to obscure the meaning of the communication.

As a result, the FCC added a paragraph (4) to Part 97.309(a) to read:

(4) An amateur station transmitting a RTTY or data emission using a digital code specified in this paragraph may use any technique whose technical characteristics have been documented publicly, such as Clover, G-TOR, or PACTOR, for the purpose of facilitating communications.

# ARRL Bulletin 93

## October 12, 1995

### Aid for Virgin Is.

Amateurs in the US Virgin Islands have an additional repeater on the air following hurricane Marilyn, thanks to the loan of a repeater from the ARRL.

When Marilyn hit the islands on September 16, some local repeaters were put out of commission. ARRL USVI Section Manager Ron Hall, KP2N, said that a temporary repeater and a few 2-meter quarter-wave antennas would help the radio amateurs in St. Thomas to provide disaster relief communication until they can get all their repeaters repaired and operational again.

The League obtained a complete 2-meter repeater and shipped it to Hall, along with antennas. The repeater is in use on 146.81 MHz.

The equipment will eventually be returned to ARRL Headquarters where it will be added to other gear (several hand-helds and 2-meter transceivers) kept at the ready for emergencies. These latter radios were last used by amateurs who helped the American Red Cross after hurricane Iniki hit the Hawaiian Islands in September 1992. Before that, some of the equipment was used in Puerto Rico after hurricane Hugo in 1989.

# ARRL Bulletin 90

## October 4, 1995

### Confab targets 40 meters

Amateur Radio societies in the Western Hemisphere have concluded their triannual meeting, where important topics considered included band planning (especially on 40 meters); growing Internet use by amateurs; electromagnetic compatibility of consumer devices; improved communication between the International Amateur Radio Union and its member societies; and implementation of the hemisphere's International Amateur Radio Permit.

Twenty-nine national Amateur Radio organizations from throughout the Americas were represented at the week-

long conference in Niagara Falls, Ontario, hosted by the Radio Amateurs of Canada (RAC). Canada announced at the meeting that it has agreed to adhere to the IARP (the fourth country to do so) and had issued the first two permits to RAC President Farrell Hopwood, VE7RD, and IARU Region 2 Vice President Tom Atkins, VE3CDM.

Distinguished guests included Robert Jones, Director of the Radiocommunication Bureau, International Telecommunication Union (who is VE3CTM); Michael Binder, Assistant Deputy Minister, Spectrum Information Technologies and Telecommunications Sector, Industry Canada; Roberto Blois Montes de Silva, Executive Secretary, Inter American Telecommunication Commission (CITEL) of the Organization of American States (OAS); and Wayne Thompson, Mayor of Niagara Falls, Ontario.

Addressing continuing problems of interference between users of different modes in the 7000 to 7100 kHz range, the conference adopted a resolution calling for greater use of frequencies above 7100 kHz for communication within Region 2, particularly by digimodes in the band 7100 to 7120 kHz. Reduced dependence on frequencies between 7050 and 7100 kHz by digimode stations, and by SSB stations for communication within Region 2, was urged. The conferees also agreed to discourage SSB operation below 7050 kHz, to discourage digimode operation between 7035 and 7050 kHz except for communication with amateurs in other Regions, and to renew their commitment to the IARU goal of achieving a worldwide allocation of at least 300 kHz in the vicinity of 7 MHz.

Member-societies also were encouraged to make greater use of the 10-MHz band for digital communication, since radiotelephone is not allowed there.

The group urged that member societies obtain Internet access and possibly establish their own Home Pages on the World Wide Web. Amateurs were encouraged to include their call signs as a part of their Internet addresses.

Region 2 President Alberto Shaio, HK3DEU, has now retired, and Thomas B. J. Atkins, VE3CDM, was elected to replace him as president. Reinaldo Szama, LU2AH, was elected vice president, and three new directors also were elected.

The 1998 IARU Region 2 conference will be held in Venezuela, hosted by the Radio Club Venezolano.

# ARRL Bulletin 89

## October 3, 1995

### To all radio amateurs

### Vanity call rules set

The FCC has released a Memorandum Opinion and Order in its vanity call sign proceeding, PR Docket 93-305. In response to several petitions for reconsideration, several changes have been made to the program as originally adopted. No starting date for the program has been announced.

The FCC declined to adopt a change proposed by the ARRL and others that would have limited the selection of vanity call signs, in most cases, to the call area corresponding to the address of the applicant. However, the FCC did limit requests for call signs corresponding to Alaska, the Caribbean Insular areas, and Hawaii and the Pacific Insular areas to licensees whose mailing address is in the corresponding state, commonwealth or island. Thus, applicants in the 48 states will be allowed to request a call sign from any of the ten call sign regions.

The FCC concurred with suggestions that an amateur seeking the call sign of a deceased, close relative, should hold an equal or higher class amateur license than that held by the deceased relative. The FCC said that the two-year waiting period following the death during which the call sign is not available would allow close relatives to upgrade, if necessary.

The FCC also has decided that priority should be given to established clubs for obtaining the call sign of a deceased club member. To that end, the Commission established a new "gate," Gate 1A, that

will follow Gate 1 in priority. By this method, the call sign of a deceased amateur will be available first to a close relative, then to a club. In order to be eligible, clubs will have to have held a station license on or before March 24, 1995 (the date of the FCC's Report and Order in Docket 93-305).

The new FCC Part 97 rules become effective November 17, 1995, but the FCC has not announced a starting date for the program. The new FCC Form 610-V for vanity call sign applications is not yet available. The opening of Gate 1 will be announced by FCC public notice. More information on the vanity call sign program was in QST for March 1995 (page 98); April (page 41); and May (page 95).

#### ARRL Bulletin 95 October 16, 1995

##### FCC call sign update

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

District	Group A Extra	Group B Advanced	Group C Tech/Gen	Group D Novice
0	AA0ZE	KG0ZH	++	KB0UCL
1	AA1OL	KE1DB	N1VWW	KB1BUE
2	AA2YO	KG2EH	++	KB2VXS
3	AA3MR	KE3UZ	N3WEK	KB3BLI
4	AE4MU	KT4EJ	++	KF4DSB
5	AC5EY	KK5TJ	++	KC5RCS
6	AC6PS	KQ6AG	++	KE6YTK
7	AB7MR	KJ7RQ	++	KC7NFW
8	AA8UR	KG8TT	++	KC8BEQ
9	AA9QD	KG9EF	++	KB9LRN
N. Mariana	KH0S	AH0AW	KH0ED	WH0ABD
Guam	WH2Q	AH2DA	KH2OU	WH2ANN
Hawaii	++	AH6OG	++	WH6CYM
Amer. Samoa	AH8O	AH8AH	KH8CK	WH8ABE
Alaska	++	AL7QF	++	WL7CPB
Virgin Is.	WP2U	KP2CH	NP2IK	WP2AIA
Puerto Rico	++	KP4ZZ	++	WP4NCB

++Either all call signs in this group have been used or no new call signs have been recently issued in this district.

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#### Amateur Radio Newsline (Con't)

## ARRL SEEKS ENFORCEMENT ACTION

In what might be considered as a related matter, the ARRL may be headed to congress to try and force the FCC to enforce the Amateur Service rules. At least the rules that govern willful and malicious interference.

According to Minute number 3.1 of the recent Executive Committee meeting, on a motion presented by Director Joel Harrison, WB5IGF, League President Rod Stafford, KB6ZV has been directed to appoint an ad hoc committee to -- and we quote -- "develop objectives and strategies to achieve legislative solutions to the problem of inadequate enforcement."

This action was prompted at least in part by a report to the committee by League General Counsel Christopher D. Imlay, N3AKD. In his report, Imlay reported that progress on two egregious cases of repeater jamming have proceeded far slower than had been promised by the FCC staff. N3AKD also noted that the announced closings of FCC field offices along with staff cuts appear to have contributed to a deterioration in morale.

The FCC's internal problems notwithstanding, the ARRL appears to have concluded that the commission has a constitutionally mandated responsibility to the American public. And since radio amateurs are a part of this constituency, the FCC has an obligation to enforce the rules it makes. If the agency fails to do so, then legislative action may have to be taken to make it happen.

Also noted in the committee minutes is RM-8626, a petition by W5YI Report publisher Fred Maia of Arlington, Texas. Minute 3.6 says that the petition which would outlaw most one-way high frequency transmissions was strongly opposed by hundreds of commenters and should be dismissed.

## AMSAT-NA BOD ELECTION RESULTS

Bill Tynan, W3XO, Dick Daniels, W4PUJ, Junior Torres de Castro and Bob Meyers have been elected as Directors in Amsat North America. A total of 1491 AMSAT members cast ballots in this year's election.

## ARRL PHONE CHANGE

The ARRL has new phone numbers as the result of an area code for Newington. The Prefix has changed to 860 but the previous area code, 203, will continue to work until September 1996.

## Tubes...

I miss tubes!!! That's not to say I dislike solid-state devices; they've been a God-sent to the electronic industry. Because of solid-state devices, we have amateur radio and associated equipment with capabilities beyond our wildest dreams.

However, solid-state devices have no character. They just sit there and operate. A little plastic lump with tiny metal fingers growing out of it. Nothing to indicate something is going on.

Contrast that to a vacuum tube. They have a filament that glows and let you know they're at least alive. They put out heat! Not an oppressive heat but, a comfortable warmth that give a certain amount of light and confidence that all is well with the world.

You could see inside of a tube; the filament, cathode, screen grid, and plate. You knew something was happening inside that small, glass envelope and you were pretty sure you understood the concept. However, it still held a fascination of the magic Dr. DeForest and Mr. Edison had given us.

A vacuum tube has a name you can remember: 6146, 807, 1625, 12AT7, 2E26, 811, 6L6, 6AQ5, 829, 5763, 866, 813, 5U4, etc. Try remembering the names of more than a half a dozen solid-state devices and what they do!

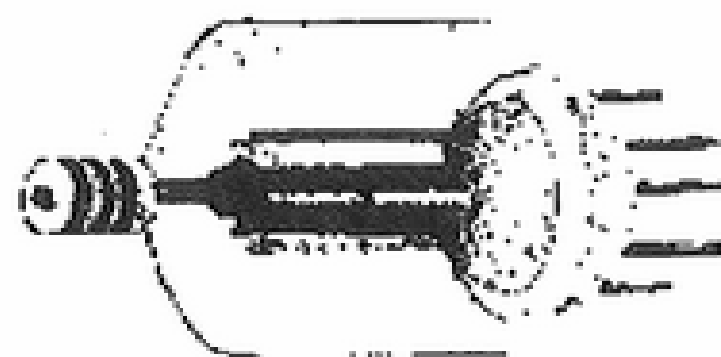
I can remember many a night sitting in my shack with the light from an 807 final and 6L6 driver inside a KnightKit T-50 CW transmitter casting a shadow of the perforated cabinet on the wall. It gave a reassuring air that all was working well. The glow of the 5U4 rectifier tube in the outboard power supply was the only sign of life from my converted surplus aircraft receiver. Its tubes had metal cases (JAN military specs); no glow but lots of heat from those black, metal cases.

When you transmitted, tubes gave you indications something was happening. The most dramatic was the 866 mercury

vapor rectifier. It flashed in concert with your modulation or keying. What a show!

Tubes had substance! When you picked up a 6146, you knew you had something in your hand. A tube had a reassuring feel about it. Some even took two hands to get a good grip on it! Some tubes had plate-caps on top. These were the workhorse tubes used in final amplifier stages or high-voltage power supplies. Some the real serious amplifier tubes had to be mounted in special sockets to permit air or water cooling! They required VOLTAGE! Not a puny 5 vdc but 800, 1,500, even 3,000 vdc!

Tubes were easy to find. Go to the local TV repair shop, give them five bucks, and you could have a field day pulling tubes from junked TV's. Someone at a flea market or hamfest always had a huge box of tubes (3 tubes for \$1.00).



Tubes were easy to maintain. If the filament didn't light, you had problems. A gentle tap would reveal if the tube was intermittent or microphonic. If the plates of your finals were glowing cherry red, you probably were tuning up the transmitter wrong.

A tube usually gave some warning it was going to blow; it didn't just quit! A transmitting tube would go soft and not tune up quite right; a tube in your receiver would get noisy or microphonic (ring); with some gentle tapping, even a broken filament could sometimes be fixed. They would still work and give you a chance to get a replacement.

Solid-state devices die without notice and tend not to make their situation apparent without involved test procedures. To check out a tube, we went to the drug

store and used the tube tester. Yes, it was not on the same level of sophistication as a B&K or Hickock tube tester but, it gave us some general indication if our fire bottle' was not long for this world. It was also a chance to check out the latest issue of "CQ".

Tubes were tough! You could apply a reasonable amount of mistreatment and they would survive. Not so with a solid-state device! One application of reversed voltage or static electricity and you're on your way to Radio Shack!

I'm glad we have solid-state devices; they make our live better. But, I still miss tubes.

WA9AFM @  
K2GKK.#OKC.OK.USA.NOAM

## On the Air

Listings of Nets on local repeaters or sponsored by CORA Members Clubs:

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

Packet check-in on 145.07

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

HF 3900kHz; Packet 145.07

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

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

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

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

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

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

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

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

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

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

**YL Net** - Thursdays @ 8:00 p.m. on 147.09, plus input.

**Word list**

Botswana	Tonga	Oman
Bahrain	Andorra	Gambia
Mozambique	Azores Is.	Comoros
Japan	USA	India
Qatar	Ireland	France
Mayotte	Reunion	Zaire
Isle of Man	Scotland	Mali
Balearic Is.	Kingman Reef	Peru
Tanzania	Kazakh	Armenia
Jan Mayen	Svalbard	Wales
Christmas Is.	Spain	Vatican
Fiji	U.N., New York	

**Word Search**

DXCC Countries by Linda, N1LPN

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

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**CRYPTO CLANS**

by Forrest, N5VWF

Remember that each list contains related items and that word structure and single letters are clues. Each letter represents another letter. Example: YLT=Air.

1. \_\_\_\_\_  
LIJKXZBTB
2. \_\_\_\_\_  
KDTYDIKXZBTB
3. \_\_\_\_\_  
GYUBWBJRDZ
4. \_\_\_\_\_  
KATCYFB GYUB
5. \_\_\_\_\_  
KXYFB GYUB
6. \_\_\_\_\_  
DTIXIKXZBTLF GYUB
7. \_\_\_\_\_  
LIJKXZBTLF GYUB

**Technical Note for Radio Shack HTX 202.**

About a year ago my HTX 202 locked up and gave a flashing error code of "Er2" with a beep on power up. When I would turn the radio on it would briefly flash part of a frequency read out and then immediately start flashing "Er2" and beep. According to the Radio Shack manual this is a Phase Lock Loop (PLL) error. While trying to correct the problem with the technical service people over the phone (about a year ago) I am relatively certain we tried to reset the processor by holding the "F" (function key) and the "D" key on the front panel down and turning on the radio. If I did this it did not correct the problem. Last night, nearly a year later, I decided to disconnect the 3 volt lithium battery inside the case of the radio. The battery is soldered in, so I heated the connection on the ground side and disconnected it. I then replaced the battery in the circuit and powered up the radio. The error code flashing at this point was "Er1", which according to the manual is an internal memory battery failure. At this point I performed the reset procedure again by holding down the "F" function key and the "D" key simultaneously and turning the radio on. This reset the processor and the radio now seems to be performing fine. I am glad to have the radio back. I have heard from another ham that he has had the "Er2" error occur occasionally when he transmits, and that just turning the radio off and then back on resets the PLL in this case. The removal of the Lithium Battery may or may not have had an effect on the correction of the problem, but might be worth a try if you have this problem and a standard reset does not remedy the situation. I hope this helps someone out there that might have a similar problem.

73, Perry--KB5TOT

HAM



ADB-270-M

2 METER / 70 CM.  
DUAL BAND MAGNET  
MOUNT

## COVERS:

VHF - 140 - 148 MHZ.  
UHF - 440 - 450 MHZ.

GAIN: VHF - 3 DB  
UHF - 6 DB

LENGTH - 60 IN.

4 IN. BLACK PLASTIC  
MAGNET CAP  
MAGNET HAS 90 LB  
PULL ON A FLAT  
SURFACE

17 FT. RG-58/U COAXIAL  
CABLE

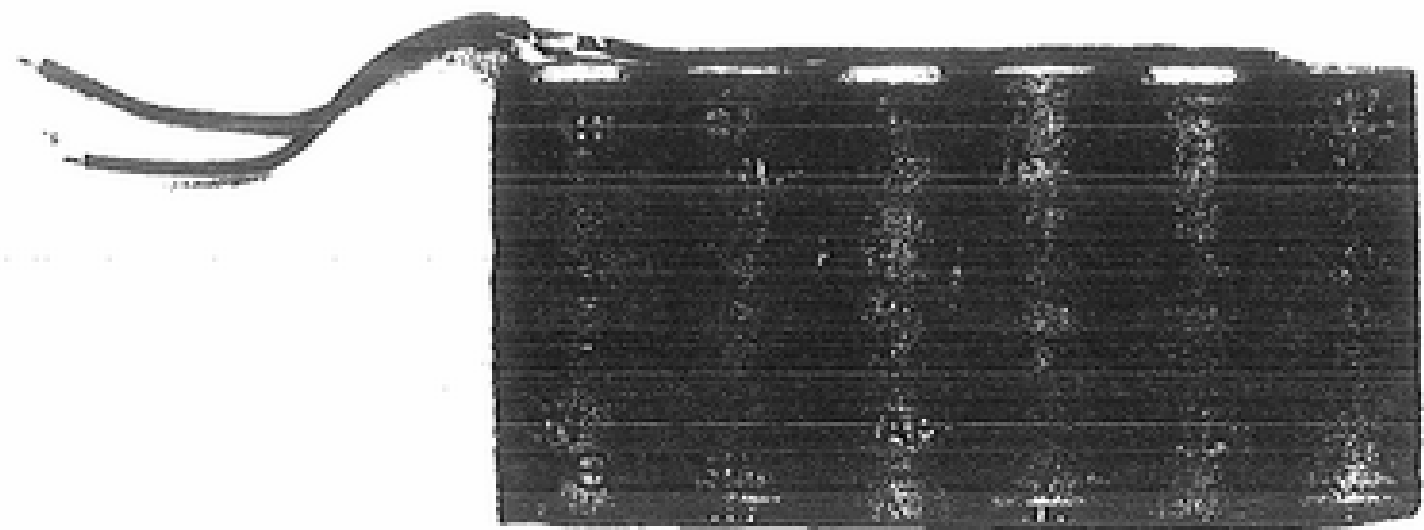
1:1.5 OR LESS S.W.R.  
OVER THE AMATEUR  
BANDS

POWER - 200 WATTS

Comments from Hams using the ANTTRON®  
ADB-270-M are that this antenna out performs  
many antennas costing twice the price And it's  
MADE IN THE U.S.A.

\$42.50

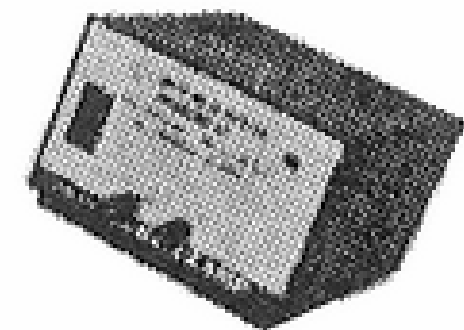
AA ni-cad cells w/tabs - 700Mah  
12v - 7ah gel cells



## BATTERY PACK

7.2v - 1400Mah

dimensions - 2"h x 3 15/16"w x 5/8"d  
\$15.95



## POWER SUPPLIES

## SURPLUS EQUIPMENT

HP VHF Signal Generator 608E  
HP Digital Voltmeter  
Open frame power supplies  
(5v, 12v, 24v and combinations)  
8 conductor wire  
Transformers - 12v, 3ah

K & E ELECTRONICS  
3540 N.W. 23rd Street  
947-2891



## A Look Into Our Past: September, 1989

*For over a year, I have been taking the time to seek the wisdom of our 'old-timers'. It is their knowledge of the past that needs to be passed to the present generation of Hams. My understanding and respect for Amateur Radio was formed by the stories these very special men and women have shared with me. This section is dedicated to those that laid the foundation on which we now stand on together. I will continue to search for stories that will bring a smile to your face. This month I have chosen an article that honors one of our old-timers. He is very active in the Ham Community and in CORA.. Until next month, NILPN.*

### INDIVIDUAL IMPRESSIONS

by Charles E. Maupin, W5HQM

R.H. "Bob" Ashby, W5HXL, began his radio career about 1930 when he, along with other kids in his neighborhood got interested in crystal sets using galena(lead sulfide ore crystals) with a "catwhisker" as an early day point contact diode detector. These were sold at the five and dime stores for a few cents. He and I attended Harding Jr. High at about the same time. Living in the Classen High School District, We both transferred to central high for the same reason - to study electricity and radio under Paul Bell who had the only such courses in town. At Harding, Bob Checked out an old spark gap book in the library and processed to build a spark transmitter using a ford coil and go on the air. Though he didn't make contact with anyone, he soon discovered the broad-band interference capability of such a rig and gave it up before being cited by the Federal Radio Commission for radio interference.

At Central, Bob spent all of his time outside of required classes in the radio room building projects and practicing International Morse Code using a wind up Instructograph punched tape machine. I remember Bell giving me a project to adapt this machine to continuous operation with an endless loop instead of its normal reel-to-reel method of operation. Bob built a 6-tube superhet described in the ARRL 1936 Handbook and a transmitter using an 807 RF amplifier modulated by a pair of push-pull 6L6's. He used this first on the 10 meter band and later on the 160 meter band. I got my first ham ticket in 1938 as W5HQM. Having no rig built up, I borrowed one of Bob's to make my first transmission on 40 meter CW. Bob assisted Bell in building and installing sound systems for the school auditorium and football games at Taft stadium. I remember him giving a lecture-demonstration on oscilloscopes before a full classroom. We had a tone wheel Hammond Organ in the auditorium on which the history teacher Raymond Ryder would play concerts during the lunch hour.

When Bell was called to active duty with the 45th Division in the early '40s, Gerold Tuma, W5BEP, took over his classes. Bell told Tuma if he needed help to call on Bob. So Bob helped Tuma come on board as Central high's instructor. Bob and Vance Dewey, W6WWA, got interested in 5 and 2.5 meters. Bob built a 2.5 meter receiver using a 954 acorn tube as RF pentode and a 955 triode as super-regenerative detector with 2 inch copper tubing as quarter wave transmission lines. Vance built a transmitter using a Bliley 28 MHz crystal frequency multiplied to the 2.5 meter band. Several hams also built walkie talkies using a '30 triode super-regenerative oscillator-detector and a '33 audio modulator/amplifier powered by a 45 volt B battery and a dry cell A batteries. They talked to each other around town attracting attention by the public who wondered why these guys were walking around talking to themselves! Other radio buffs and hams at Central during this time frame included Alfred Ashley (a close buddy of Bob who later wrote Nav-Aids course material for CAA) and influenced Bob to come to work at CAA (later FAA) in the Directed Study correspondence program, Carl Dalbey who later served as radio officer in the U.S. Mercant Marine during WWII and survived two ship sinkings but was lost in a third sinking, Bill Huffman, W5HFE, who went on to a career in the FAA, was part of the gang, Bennett Basore, W5ZTN, James Bostick, Hadley Bowman, etc.

Before Bob left high school, he had prospects of a summer relief job at a local AM station so he got a copy of Nilson and Hornungs' "Questions and Answers" and crammed for a commercial operator license. He took a bus to Dallas and passed the requirements for a Radio telephone First Class license. This automatically qualified him for a Class A Amateur license with privileges in all phone bands. Bob tried CW but never cared for it though later he saw service in the Signal Corps as a field radio operator using CW.

On graduation from Central, Bob went to O.U. While studying electrical engineering, he served as transmitter engineer at WNAD, the campus AM station. During Bob's senior year, Gerald Tuma was hired as Prof. of E.E. at O.U. Again Bob helped him come on board as classroom instructor. Gerald was busy with graduate work and would ask Bob if he had his homework complete for the day. He would then borrow it and use it in his class lecture. One day he told Bob he needed to have more time to work on his doctoral dissertation and it would help if the classroom were empty when he arrived. Bob spread the word and Gerald got more time to concentrate on his paper.

Bob finished his BS in EE Degree with a major in Communications in 1942. WWII was in full swing. Bob was in the enlisted reserve which allowed him time to finish the degree before induction. His classmates had all received commissions and by Bob's

## November 1 to December 2, 1995 Schedule of Events:

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

### Look Into Our Past (Con't)

graduation time the service was saturated with officers (all chiefs but not enough Indians). So poor Bob was stuck with a choice between cook and truck driver. He managed to hold out for radio school however, and ended up a field radio operator. While waiting for assignment, O.U. had Bob teach about 40 students electronics in preparation for duty at Wright Field in dayton, OH. The Army held up Bob's assignment until the class was finished and Bob suspects collusion between O.U. and the military.

After WWII, Bob was employed for a time at Quick Charge, Inc. at 10th and Eastern which built high current battery chargers and did electroplating and job work. He also worked at KOCY and KOMA. While at KOMA, Dick Page resigned as Prof. at O.U. and Bob was asked to fill in until the end of the semester. He then taught college classes during the day and worked a night shift at KOMA. After his first employment by CAA, Bob spent serveral years working on oil field equipment in mud control. Than he came back to the FAA and worked at the Aircraft Services Base, finally filling the office of Chief of the Nav-Aids and Communication Section of the residence school. At that time I was an Electronics Engineering Instructor in the Instrument Landing Systems Unit and Bob became my Section Chief. He retired a few years later while I continued on till my retirement in July 1979.

Bob has been active in most ham clubs in the OKC area including the 6 meter net which later became the Central OK VHF Club. The Aeronautical center Amateur Radio Club, QCWA and CORA which he helped organize. He has served in offices of all but one club and is a "can do" participant in the ham activities of central Oklahoma.

Presently Bob and his wife Rosal n like to move about in a travel trailer, wintering in Florida and summering in the mountains.

**WANTED ARTICLES FOR THE DECEMBER ISSUE OF  
COLLECTOR AND EMITTER  
LET'S HEAR YOUR CHRISTMAS TALES AND STORIES!!  
SEND THEM IN FOR OTHERS TO ENJOY....**

