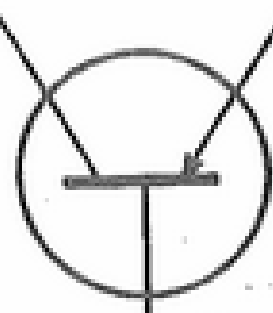


CENTRAL OKLAHOMA RADIO AMATEURS COLLECTOR AND EMITTER



50¢

Volume 8

DECEMBER 1982

Number 95

INDEX

- 3 SALEM taps - to 10
- 5 A letter from ARRL
- 6 JB converts
- 7 BALLAD OF Q. R. ZEDD
- 8 ACARC and File 8
- 10 OU back in gear
- 11 76'ers swapping elephants
- 12 MORI - FM deviates ?
- 12 WHEATSTRAW looking for a hat
- 13 RED HOT INFORMATION
- 14 SCARS & football don't mix
- 15 EDMOND - Chili and Stew

DOROTHY DIRICKSON WB5ELG GETS ROCKED

The 7290 Net presents their Rock Award each year to the net member who has demonstrated outstanding congeniality, cooperation and traffic handling. The 1982 Rock was awarded to Dorothy Dirickson, WB5ELG, of OK City. It is just a "plain old rock," as Dorothy describes it, that lists her call letters and those of previous recipients, and is now hers to proudly display for a year. Another determination will be made in 1983, in this fun way to improve net operating.

Bill Rogers, WA5RAQ, who submitted the news of Dorothy, believes she is one of the best examples he has ever known of the old adage, "Lose yourself in service to others to find yourself." Dorothy checks in regularly to several traffic and other daytime nets on 75, 40 and 20 meters. Oklahoma City is well served, as she passes traffic and runs phone patches for the area.

Amateur Radio reared its head in Dorothy's life at a point in time when she and her OM, Earl, faced some very drastic changes. After being successfully employed for 15 years, Dorothy learned that eye problems caused from diabetes were turning to blindness. A rehabilitation counselor and a teacher worked with her helping with housework and discussing possible job opportunities and hobbies. Dorothy chose Amateur Radio as her main pursuit.

With the help of C. E. Waddle, WA5SUD, and Mike Head, WB00CA (ex-WA5TWM), she passed the General Class exam in 1971. C. E. and Mike also helped her to establish her first station, which consisted of a transceiver, a tuning aid and a trapped inverted V-all set up for 75 and 40 meters. She recently has added a new transceiver, as well as a beam antenna with rotator. This expanded her band capabilities to include 20, 15 and 10 meters. Bill Rogers contributed an audible beam-position indicator, together with means for switching between the two rigs for Dorothy's present station.

Net activities began for Dorothy by checking into the Handicappers Information Net on 7.270 MHz. Net members, not necessarily handicapped, exchange ideas and information, and provide assistance when needed. She since has expanded her net operation to include other handicappers and traffic nets, as well as the Texas Young Ladies Roundup Net. Dorothy works as a volunteer at a Veterans Hospital and is a member of the Oriole Rebekah Lodge. Together, she and Earl work with the deaf. They also enjoy camping and fishing.

Not only has she contributed to Amateur Radio, Dorothy has made many friends during her 10 years of activity. The Rock certainly was justly awarded. QST



THESE CORA MEMBER CLUBS PROMOTE AMATEUR RADIO

1 AERONAUTICAL CENTER ARC MEETS: 8:00 pm First Friday at Flight Standards Bldg., FAA Aeronautical Center PR AA00 Robby Runyon 373-1818 VP N5ABL Holly Holcomb 799-2539 Se WB5UHW Jim Seignious 751-6698 Tr K5RJR Larry Vorheis 789-9629 EDITOR: Jim Seignious, WB5UHW 751-6698
2 OKLAHOMA CENTRAL VHF CLUB MEETS: 8:00 pm Third Friday, Red Cross Bldg., 10th & Hudson, Okla City PR W5VCJ "Steve" Stevens 341-8486 VP WD5IRB Ralph Bartow 521-8330 Se K5JB Joe Buswell 732-0676 Tr W5KE Ellard Foster 789-6702 EDITOR: Joe Buswell, K5JB 732-0676
3 MID-OKLAHOMA REPEATER, Inc. MEETS: 8:00 pm First Tuesday, Okla City EOC, 4600 N Eastern PR KC5HD John Clement 943-2467 VP W5HPR Don McDown 732-6749 Se KA5ERZ Connie Boland 348-0123 Tr W5KOZ Sid Gerber 737-1050 EDITOR: Susie Atkinson, KA5FED 842-8014
4 OKLAHOMA CITY AUTOPATCH ASSOCIATION MEETS: 7:30 pm Third Tuesday, Okla City Fire Dept Training Center, N. Portland Pr N5IH Henry Israel 722-3848 VP K2GKK D. C. Macdonald 672-4947 Se WB5NDO Kathy Whited 799-1457 Tr K5GL Guy Liebmann 787-9545 EDITOR: "Mac" Macdonald, K2GKK 672-4947
5 OKLAHOMA UNIVERSITY AMATEUR RADIO CLUB MEETS: 7:00 pm Second Tuesday (Sep-May) 119 Wilson Center, 1334 S Jenkins PR KE5N John Wustenberg 325-2262 S/T KA5LZN Greg Smith 325-3218 EDITOR: Greg Smith, KA5LZN 325-3218
6 ALTUS AREA AMATEUR RADIO ASSOCIATION MEETS: 7:30 pm Second Thursday North Main Fire Station (CD) PR WB5MJS Charles Smith 477-1098 VP S/T WA5CBF Loren Simms 477-0921 EDITOR: Loren Simms, WA5CBF 477-0921
7 BICENTENNIAL (76'ers) ARC MEETS: 7:00 pm Second Tuesday, Air National Guard, Will Rogers Airport. PR N5BFD Jim Hopkins 947-0043 VP WD5JNT Ted Vanlaningham 262-1675 Se N5AUH Jerry Sproul 354-2061 Tr WB5VBE Dale Moore 721-6142 EDITOR: Bruce Goff, KC5CR 751-6276
9 WHEATSTRAW AMATEUR RADIO CLUB MEETS: 2:30 pm Second Sunday. Location varies. See club section for location. PR WA5GLD Dick Ruhl (Kingfisher) 375-4843 VP KA5FUU Tom Johnson (El Reno) 262-5631 S/T WA5PFK Ralph Wilder (Watonga) 623-4521 EDITOR: Ted Vanlaningham (El Reno) 262-1675
12 SHAWNEE AMATEUR RADIO CLUB MEETS: 8:00 pm Second & Fourth Tuesday Shawnee City Hall (EOC) PR WB5ZBA Earl Couch 598-3212 VP WD5ETD Rick Wilson S/T KA5FBC Jim Sullivan 273-3843 EDITOR:

13 KAY COUNTY AMATEUR RADIO CLUB MEETS: 7:00 pm Third Thursday at EOC Ponca City PR WA5UB0 Marsh Pronneke 363-2526 VP WB5NQT Pat Burnham 765-7229 S/T WB5YRN Delbert Foiles 762-4479 EDITOR: Marsh Pronneke, WA5UB0 363-2526
15 SOUTH CANADIAN AMATEUR RADIO SOCIETY MEETS: 9:30 am Second Saturday, Red Cross Bldg., North Campus, Norman OK PR KUSB Jack Bickham 329-1311 VP K5KDR Bill Oliver 329-6333 Se AF5X Jess McKinzie 329-1543 Tr WB5UUX Charles McCown 321-1061 EDITOR: Sam Barrett, WA5RPP 321-2601
16 EDMOND AMATEUR RADIO CLUB MEETS: 7:00 pm First Thursday. See club section for location and type. PR WD5DYI Mark Northcutt 755-4672 VP WB5MLX Glen Cochran 942-7148 S/T WB5UIY Stan Van Nort N/L EDITOR: Stan Van Nort, WB5UIY N/L
17 TRI-CITY AMATEUR RADIO CLUB MEETS: 7:00 pm First Tuesday, Location varies. See club section. PR WB5UBB John Warriner 379-3149 VP WB5VLT J. B. Bills 379-3992 S/T WB5TYW Yvonne Warriner 379-3500 EDITOR: Yvonne Warriner, WB5TYW 379-3500
18 GREAT PLAINS AMATEUR RADIO CLUB MEETS: 7:30 pm First Tuesday, Basement Woodward Court House. PR N5CCV Gerald Bowman 994-5381 VP WB0PGD Ron Tice 994-2138 Se WB0QGW Carla Tice 994-2138 Tr N5EOY Gerry Ford 256-5342 EDITOR: Carla Tice, WB0QGW 994-2138
19 SOUTHEAST OKLA AMATEUR RADIO ASSN. MEETS: 7:30 pm Second Monday. Location varies. Contact a club officer. PR WB5TTU Ron Henson 326-5418 VP WB5ULI George Weldon 326-5672 S/T WD5FUE Orville Kaley 326-3650 EDITOR: Ron Henson, WB5TTU 326-5418
20 ARDMORE AMATEUR RADIO CLUB MEETS: 8:00 pm First Wed. Red Cross Bldg. Informal, 8:00 pm other Weds. 221 9th NW PR W5HJ Tom Banks 226-3350 VP WB5VBK Fred Innis 223-1709 Tr W5BLW Charles Dibrell 226-0589 Se WA5YOM Tim Vandagriff 223-3582 EDITOR: John Merlyn, WD5FZD 223-9543
MANAGING EDITOR: Joe Harding, WA5ZNF Phone 737-1044 CIRCULATION MANAGER: Bob Graham; WB5NSV Phone 677-8685 ADVERTISING MANAGER: We need one.
CORA Collector & Emitter (USPS 116-150) is published monthly by CORA, Inc., 1020 Arthur Dr. Midwest City OK 73110. SUBSCRIPTION: CORA members \$3.00 per year. Non-members, \$6.00 per year. POSTMASTER: Send address changes to: CORA, PO Box 15013, Del City OK 73155
CENTRAL OKLAHOMA RADIO AMATEURS, Inc. MEETS: 7:30 pm Fourth Tuesday (Except Dec.) Red Cross, Oklahoma City PR WD5JNT Ted Vanlaningham 262-1675 VP K2GKK D. C. Macdonald 672-4947 Se N5BEQ Jin Buswell 236-0368 Tr K5GGL George Maschino 263-7614

Salem

CONFESSIONS OF A 30 METER MOSSBACK

Part of the fun of being an amateur is to do new things. While perhaps many of us don't rise to the heights of the crew of the Starship Enterprise (to boldly go where no man has gone before . . . music swells, spaceship swishes) whenever there is a new game in town, it is fun to get your licks in early.

A case in point was the recent allocation of the new 10 Megahertz band by the FCC. Rather than setting a date in the future when the band would be opened, then setting back and watch the anticipation grow as the anointed hour approaches, then to watch all hell break loose in an amateur radio equivalent of the Oklahoma Land Run, the FCC decided that it was time to just let her rip and you could do it now. Thus, the new 30 meter band was ushered in, not with a bang, but with a whimper and an ever growing swell, a sort of mild big bang.

To be a pioneer on the 30 meter band requires skill, attentiveness to the broadcasts of W1AW, unbelievable radio technique and just plain dumb luck. I opted for the last method. For some inexplicable reason, I chose to phone Chris Imlay N3AKD on Thursday, October 28th. After chatting about a variety of other topics, before I hung up, Chris casually mentioned that he had a hot scoop. The Commission had finally authorized after nearly 3 years since the WARC allocation, the new 30 meter band and they were opening it that very afternoon at 3 p.m. EDT. Heady thoughts of being a pioneer danced through my head. I thought about running home that very minute and jumping on the band, but a few appointments made that impossible, so I ran a couple of errands, took care of all business and tooled by my house about 5 p.m. CDT. By then the band had been opened almost 4 hours. The first problem was to see whether I could get a signal out on the band. I fired up the IC-720 and used the antenna tuner to see if the 40 meter dipole would radiate. I jiggled around with it for a couple of minutes and never could quite get the antenna to take full power. I checked the SWR and found that it was hovering just above 2 to 1. Well, I just make a preliminary call.

Chris had told me that the FCC had amended Part 2 of their rules to permit temporary use of frequencies in the band, which would actually be divided into two subbands of 10.100 to 10.109 Mhz and 10.115 to 10.150 Mhz. I listened up and down the band quickly and didn't really hear anything. The band was broken up to protect a government station in the 10.109 to 10.115 Mhz segment that hadn't quite got moved yet. Chris said that it was expected that when that would be accomplished that the rules would be amended and all segments would be merged into one band. Usually, the change would require a 30 day waiting period and a publication notice of the action in the Federal Register. This was not the case now. The FCC had authorized RTTY/CW (F1/A1) only with a maximum of 250 watts input power for General, Advanced and Amateur Extra Class operators only. The use was to be on a secondary, non-interference basis to fixed services. No voice modes were permitted.

After a couple of minutes of listening up and down the band, I finally decided that perhaps everybody else was just listening also, so reloaded the rig and blasted out a CQ at about 4:50 p.m. My first call resulted in nothing. I listened for a minute or two then tried again. A short call and finally I heard KI3L come back. His signal was weak and had

quite a bit of QSB to it. In fact, I had to ask him to repeat the call a couple of times. On the next couple of exchanges, I got that he was located in Maryland and apparently found out about the new band the same way that I did! He was a friend of Chris! I hung around the frequency (10.127 Mhz) after losing Don completely, then decided to bang out another CQ. I finally was able to find the right combination and got full power out of the 720. Just had to go back to basics and tune it up like it was suppose to. Part of the problem was using a non resonant antenna. The tuning points become very sharp and adjustment is critical. My next call was answered by W9WIB, Tony in Tupelo, Mississippi. His signal was much better, 459, and he told me that he heard about the new band on W1AW. Uh Oh. I thought, here's goes the neighborhood. If I wanted to be a pioneer for long, then I had better work fast. Over the next hour and a half I talked to N5EA, KØGZ, and K5HAT with appropriate breaks to answer the phone and catch a bite to eat. N5EA, Tom was located in Houston and his signal was quite good and readable. KØGZ, Ray, had even a better signal. Both indicated that they had heard about the new band opening by way of W1AW. (Chris had told me that Dave Sumners K1ZZ, League General Manager trotted home about 2:30 p.m. EDT to catch the new band opening) Apparently, the word went out to W1AW soon after that.

All of these contacts were made on the upper subband. I thought that if I wanted to have all bases covered, pioneerwise, then I should also make a contact in the lower subband. I retuned the rig, (it was still a little critical) and called CQ and got a response from K5HAT, Russ, in Dallas, Texas. Needless to say, his signal was a rockcrusher around 10.103 Mhz. We talked for a few minutes and then I had to go meet WA5JXX. This 30 meter stuff was kind of fun.

I tried to call K5JB to let him know that he could get an early start on being an old timer on 30 meters, but couldn't catch him at the office. I was out of my office for most of that afternoon and didn't even go back before getting back to the house at 4:45 to fire up. I tried to call Joe later that even several times, but he was out and about. I finally did get ahold of him the next day and he said that he must have heard me call him on the 444.1 repeater, but since he was in a restaurant, he didn't hear me give his call letters and reached down and turned the radio down. Well, he just missed out on getting an early start of moss growth. He said that he did finally tune up, but he didn't have his tuner handy and no resonant antenna. His CQ went unanswered and he went back to his computer. Sniff. That boy is turning into a Bit bucket.

I fired up the rig again the next day about 6:00 p.m. and worked Doc WB2JAB in New York, then listened around. The band was already going to pot. Having a General, Advanced or even Amateur Extra Class license didn't guarantee a good fist or even a clean chirp free signal and there appeared to be a couple of examples in point. Sigh. There goes the band. Why, I tell you, I remember when 30 meters used to be a nice quiet band free of all these bad operators. Yessir, it was unpretentious devil may care frequency where a contact was contact and the ether was uncrowded. . .

One other note. Chris N3AKD was very nice to pass the word to me about the new authorization. He told me that I had to be the first person in Oklahoma who knew because there wasn't more than a handful of people in the entire country who knew. When I asked him if I would hear him on the band, he only sighed and said that he would if he could, but he didn't have the appropriate crystal for his Collins S Line. No moss grows on that guy.

Micheal Salem N5MS



The Altus Area Amateur Radio Association held its monthly meeting at the North Main Fire Station on November 11, 1982 at 7:30 p.m.

Chuck Smith, WB5MJS, Club President called the meeting to order. We did something out of the ordinary this time as introductions were made from right to left around the table. We had 10 members present and one visitor. Those present were: WB5MJS; WA5CHF; K7BSY; N5AIP; N5BOZ; W5VXU; KA5MPK; W5UVX; WB5KRH; W5CCV, and Herbert Maas. Herbert is currently working on his Novice/General and resides in Mangum.

Loren Simms, WA5CHF, gave the financial report. The Club has \$308.53 in the treasury. Those who renewed that night were Joe McDonald, W5CCV; Chuck Smith, WB5MJS; and Loren Simms, WA5CHF. Those members who need to make arrangements on their dues are: WB5PMG, 82-12; WA5ZAR, 82-09; WB5KPM, 82-12; N5DKZ, 82-12; K85BS, 82-09; KA5KVU, 82-12; and N5AIP, 82-12. We have a lot of members who will need to "RE-UP" soon.

Mike, W5VXU, gave a recount of the S.E.T. plans and participation (or lack of it) from the last club meeting.

Chuck, WB5MJS, spoke on length of the nature of Civil Defense preparedness, especially important for the next two years.

Shorty Moore, K7BSY, spoke on the Diablo Canyon nuclear power plant in California.

Elections for new club officers will be held in December. A nominating committee was chosen. It consisted of Bob Bratton, N5AIP; Gary Alexander, KA5MPK; Steve Sappington, N5BOZ; and Loren Simms, WA5CHF. Come to defend yourself at the next club meeting as the committee is out on the prowl. Everyone should consider holding a club post at one time or another.

We hope Herbert comes again as a guest of Joe, W5CCV. He's a very knowledgeable person and enjoyable to listen to. With him around on 2 meters, we could strike up some "educational conversations."

This month's thanks goes to Irene McDonald for the tray of Brownies. Bless her heart, we are all going to weigh 10 pounds more on each one of us if she keeps sending the goodies. They were sure good! Joe, W5CCV, must do a lot of walking to stay as thin as he does for she is sure a good cook.

Next club meeting is December 9, 1982- same time-same place. I am going to round up a program on personal computers.

Dwight Dennis, WB5KRH, attended a school for Civil Defense Directors during the week of October 25-29, 1982 at Denton, Texas. It is rumored that during his spare time, he visited the computer stores. The real fact of it is that Denton is the location of Texas Women's University. Computer Stores?

Chuck Smith, WB5MJS, has found a sure-fire way to loose weight. So far he has lost 25 pounds in 2 weeks. The method he uses is a little rough on a person though. He also has killed 13 snakes in the process.

Delayne Randolph, N5EST, is burning up the air ways. He put up a two meter antenna and a 50 foot tower. Delayne is also looking for a H.F. Tri-band.

I just found out about the death of Leonard, WA5FSN. News travels slow sometimes down here. I know that I have really lost a good friend and will miss him.

Ask Dwight what the last three letters in his call sign stand for sometime. "Keep Raising WHAT"

Did you know that the 6 meter liaison frequency is 28.885 MHz.?

The following is a plea for all Vietnam War Veterans to participate in the "Agent Orange Assistance Program" sponsored by the Oklahoma State Department of Health. If you did serve or know of someone who served in Vietnam, please write to the following address and request a 'Registration & Health History Form' from:

Agent Orange Assistance Program
Preventive Medical Services
Oklahoma State Department of Health
P.O. Box 53551
Oklahoma City, Oklahoma 73152
We owe it to our fellow Nam vets.

GREAT PLAINS A.R.C.

The Great Plains Amateur Radio Club opened the Nov. meeting with 20 members and 2 guests present. The treasurer's and secretary's reports were read and approved. N5CCV reported that we had 13 sessions on thenets with 170 check ins and 3 peices of routine traffic.

The novice class was held during the club meeting since they had to skip a night because of elections. Four prospective novices were in attendance for the class and then joined us for the film.

N5CCV designed and had the Christmas invitations printed. Discussion included the decision that there isn't any need to send invitations to members present at the club meeting or to those amateurs that check in regularly on the nets. This will save the club some money since the invitation will be announced several times on the nets. Also suggested was to send an amateur in a town an invitation and let them pass the word to others in their area. KD5JR made a motion that the club pay for the invitations and buy the stamps. Motion carried.

W5MDJ Dan, reported that a new club is forming, the Cimmaron Valley Radio Club. It will meet the first Tuesday of each month at Cedar Springs. We want to welcome the new group.

The nominating committee were reminded to meet before the December 4 elections.

WASPLW said that about 200 feet of his tower had been straightened.

WB5EGZ showed the Star Spencer film that had been presented at the Civil Defense Fall Conference. We will see the critique of the film at the January meeting. He also stated that the film is available to anybody that would like to show it.

OTHER HAPPENINGS

At 12:30 P.M. November 10 KD5JR called WB0PGD and K0CIO stating that there had been a 9000 gallon gas spill at Woodward and ask them to spread the word. Three amateurs were on the scene with 10 minutes and several others within 15 minutes. Those amateurs responding to the call were KD5JR, WB0PGD, W5KFK, KB5XI, N5EPO, N5FEN, N5CCV, NC5C, and WB5EGZ. K0CIO was net control with W5HGH Buffalo and KA5AAE Rosston on stand by. The amateurs were well organized and handled the emergency in a very professional manner. All twelve are to be highly commended. GPARC received two letters thanking the club for the assistance. One was from the Woodward Fire Department and signed by each fireman on duty. The other was from Mr. Ed Dawson city manager of Woodward.

The GPARC Christmas party will be December 4 at K-Bobs in Woodward. We will gather at 6:30 for a gabfest with dinner starting at 7:30. Dinner will be the merchant steak at \$6.42 gratuity included. Everyone is invited to come join us for an evening of fun!

73's Carla WB0QGW

EDITORS NOTE: I was on my way to the printer but decided to stop by the post office, "just in case", and the two reports on this page were there, so with the concurrence of N5MS I took out one of his pages to paste this page up at the printers.

Since the CORA meeting for November will be later you will have to wait till next month. Issues like this cause my hair to turn grey.

Joe, WA5ZNF

Sorry about the letter, Carla. Next month!



RAY MILLER, W5REC
ASSISTANT SECTION COMMUNICATION MANAGER

VOLUNTEER EXAMS - TWO PROPOSALS

ARRL Filed a petition with the FCC October 22 requesting amendment to Part 97 of the Rules to implement those portions of PL 97-259, the "Communications Amendments Act of 1982," that authorize the FCC to accept volunteer help for the Amateur testing program.

Any organization wanting to act in this role would have to demonstrate to the FCC its ability to establish a network of volunteers who can schedule examinations regularly in every section of the country. The organization would have to show it could coordinate and monitor the activities of volunteer examiners, including producing and distributing the examinations themselves and screening and validating the applicant's Form 610. A candidate organization would also have to demonstrate a long-term commitment to coordinating a volunteer examiner program by disclosing in detail the personnel and monetary resources available to the program.

A Bank of Questions

Noting that the written tests have been compromised, ARRL suggests the FCC be allowed to accept the voluntary services of individuals and Amateur Radio organizations in preparing Amateur examinations. The FCC would solicit a large bank of questions for each license class based on the Commission's Study Guide for that class of license. Once the FCC had approved these banks of questions, they would become public domain. Individual examinations would be made up of subsets of these questions. Each examination would cover a proportionate sampling of each major Study Guide area. ARRL also suggests the FCC accept voluntary services in the preparation of code exams.

Three Examiners, In Public

According to the ARRL plan, a volunteer examiner must hold a General class or higher license and be 18 years of age or older.

At any given testing, three volunteer examiners would have to be present, and all three would have to sign the applicant's 610 Form. At least one of the signers would have to hold an Amateur Extra Class license, and the other two would have to hold a higher class of license than the class for which the examination was being conducted. In the case of examinations for Advanced and Extra Class licenses, all three signers would have to hold Extra Class licenses. It might be necessary to make some exceptions to these provisions in remote areas.

To further reduce the likelihood of abuse of this system, ARRL suggests that the tests be administered openly to a number of applicants at times and places that are publicized well in advance. Random, unannounced monitoring of a few test locations by FCC field staff could be employed to further insure the integrity of the program.

A Coordinating Organization

Under one of the provisions proposed by the ARRL, the FCC could designate non-profit educational organizations to accredit volunteer examiners. The designated organization would be entrusted with screening an applicant's Form 610 to validate the volunteer examiner's signature and to certify to the Commission that the applicant has successfully passed an examination.

ARRL's Novice Proposal

ARRL's proposal included suggestions for the Novice exam, which closely paralleled FCC's concepts in their NPRM. (Ed: See FCC's NPRM story.)

A single volunteer examiner (choice of the applicant) holding a General Class license or higher, 18 years of age or older and not related to the applicant would administer the test at a time and place mutually agreeable to both parties. ARRL proposes a pool of questions for the Novice written test. The examiner would select 20 questions from the pool, conduct the test and grade it. If the applicant passed both portions of the exam, the examiner would send the applicant's Form 610 with a signed statement attesting that the applicant has passed to the FCC or to the coordinating organization. It would then be handled in a manner similar to the application papers for other classes of license.

Under the system proposed by ARRL, passing grade would remain 741 or higher for each element of all exams. Code credit certificates would remain available for applicants passing code tests but failing the written. An examiner would not be eligible to give an exam to a relative. Interim permits (instant upgrading certificates) would be available for those passing.

A Rule Making number has not yet been assigned to this petition. ARRL expects the FCC to adopt an NPRM in this matter in mid-December.

FCC's Novice NPRM

At its meeting Thursday, October 21, the FCC adopted a Notice of Proposed Rule Making (NPRM) which would allow volunteers to devise, administer and grade Novice Class written examinations as well as Novice Class code examinations. Under the proposals, the examiner would have a wide choice of format for testing, so long as the test covered each general subject area of the syllabus. The examination would have to be in writing, and the examiner would have to retain it in his possession for a period of one year.

Once the applicant passed both portions of the test, the examiner would send the applicant's 610 Form and a certificate to the FCC in Gettysburg PA. The certificate would state that the examiner certifies that the applicant had within the past 10 days successfully passed examinations in both Morse Code and theory/rules. A grade of 741 or higher would be passing for each element. At press time, we do not yet have a docket number or comment deadlines.

ARRL Newsletter



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Q&A
NEWS

VOLUME
The Okla. Radio Monthly

MINUTES OF NOVEMBER MEETING

Will appear next month. Because of Thanksgiving, the C&E will be put to bed early so Joe, WA5ZNF, can be really thankful...that it's over for another month.

I hope that everyone appreciates that we have a lot to be thankful for and that they have a very happy Thanksgiving. Joe, K5JB, Sec'y

THIRTY METER BAND

Right in the middle of some serious project, I got a call from Mike, N5MS, with the news that the 10 MHz band was open. He explained that he got on and made contacts within three hours of its opening, that he found out about it from Cris Imlay (Imolay?), council for the League and closed up shop early to run home and get on the band.

I sorta gave him the "no hum", after all he did interrupt some very "important" project, and after hanging up turned to the IC-720 and started screwing down the dial.

The band sounded like 20 meters during a contest, and boy, I didn't like that! I couldn't resist though so I sent out a couple of feeble CQ's just to see what happened. Nothing!

Well anyway, I get to say I was there on the historic day, even if I can't prove it

The next day, I happened to mention it to some of my Amateur friends and generally was met with the same shoulder shrugging response that I had given Mike. You know, it's a funny thing that most of them came up with excuses to take the rest of the day off work! K5JB

TV RECEIVER TO VIDEO MONITOR CONVERSION

It has been a long time that I have had that gleam in my eye and soldering iron in hand with intent to do circuitry harm to one of my gadgets. This last month I got the impulse and buggered up my portable TV to get a better quality image for viewing computer generated text. I have a great video monitor but it is about a foot-and-a-half cube. I wanted to do something to make the computer more portable, to enable setting it up at coffee QSO's, Club meetings, tornado clean-ups (ordinary Oklahoma activity, ya know), etc. One of the things that I figured would help is to reduce the size of the video monitor by using a small portable TV. To use one effectively, it has to have maximum resolution so the text on the screen is readable. The rf modulators supplied for computers are notoriously poor in resolution because of the bandwidth necessary to portray each little dot (pixel) as a dot, and not a smear. I reasoned that if I could get right into the video circuit, I could inject the signal from the computer directly at baseband and not really have any bandwidth problems.

The victim of my experiments was a Sharp portable TV with a 5 inch screen. This set is basically a 12 volt DC circuit with transformer isolation from the 120 VAC mains so no precautions were necessary in connecting the shield of the added coax to the ground point in the circuit. Had the set been one of the typical 120 VAC models, it would have been necessary to examine the signal and chassis grounding and, probably, tying coax ground to the circuit ground with a capacitor.

I got a copy of the service manual for the set to make things a little simpler. Anticipating having to disconnect the regular video signal to prevent interaction, I started out in true Amateur fashion, hooking a capacitor to the

end of a piece of coax and poking signal into various places. There happened to be test points on the input and output of the first video amplifier. The circuit troubleshooting information indicated the voltage at the output was supposed to be 1.1 Vp-p, which I had coming from the computer, but I wanted a little margin for isolation (and loss) so I elected to tie into the input of the first video amplifier. After a little experimentation, the value of 0.1 uF was selected in order to have plenty of coupling. The set operated normally with a short piece of coax, with capacitor, tied to this point, so I decided it would not be necessary to do any fancy switching, especially if I didn't have to break the circuit and interrupt the video coming from the detector. The schematic showed a better way. Power to the tuner was supplied at one point. It was much easier to cut a foil trace carrying B+ to the tuner and run a pair of wires to a switch.

Briefly, the modification to the set consisted of tying a short piece of 75 ohm coax to the input of the first video amplifier, connecting the center conductor in series with a 0.1 uF capacitor, and connecting the shield to a nearby circuit ground. The other end of this coax was tied to a 1/8 inch phone socket attached to the cabinet. The two wires carrying power to the tuner were connected to a small toggle switch, also attached to the cabinet.

There was excessive video available so it was reduced by installing a resistor in the plug on the connecting cable from the computer. It is important in which end a series resistor is installed because if it is in the input end of the line, it and the capacitance of the coax will act together to form a low-pass filter, which would defeat the high resolution goal of the project. A better engineering design would have been a 'T' pad which respected the characteristic impedance of the line, but it was a whole lot quicker to select resistors experimentally to get the desired results with the "kludge" design.

The results are not perfect. The picture is great, every dot looking like a dot, but adjustment of the vertical hold is rather critical. I suspect that leaving the circuit from the detector intact is the culprit. It is probably clipping some of the sync or the set's agc is wondering what the heck is going on and is causing some disruption. For the time being it will do. Maybe some winter evening I will go back in and tinker with it some more. If the set had been an old set that I had wanted to convert to video-only duty, I would have broken the circuit from the detector and it would have been OK, I'm sure.

Remember the caution about working with AC sets that might have the line cord connected to the chassis! Isolate the shield with a capacitor of the same magnitude as the one on the coax center conductor. For security of the video source's circuits, it would be a good idea to put a fairly low impedance drain resistor between center conductor and shield also. In this case, 10 k would be about right. Make sure the coax gets a good circuit ground from the computer end of the connection and there should be no safety problems. Unfortunately, most TV sets are "double insulated" and thus do not have a third wire in the power cord for safety ground.

(Upon proofing, I noticed that I failed to give the value of the 1k series resistor that I put in the plug. The reason I put it in the plug was that it will be easier to experiment with later. A better place is attached to the capacitor added to the video input.) Joe, K5JB

THE BALLAD OF Q.R. ZEDD

(Editor's Note: As a Yuletide bonus, and in response to overwhelming demand, we reprint here the full lyrics of "The Ballad of Q.R. Zedd" as sung last Ham Holiday by Kenny Rogers. Those who did not witness the great western singer's tribute to the world's greatest DXer missed a touching moment in the history of radio. As sung by Rogers, the musical tribute went like this:)

When Q. R. Zedd was an itty-bitty boy,
Mamma Zedd said to him,
"Q. R., there's a world of DX way out there;
Go work it with vigor and vim."
(Oh, lord!)

"Go work it with vigor and vim."
Little Q. R. Zedd was not much more than
three,
But he did what Momma Zedd said.
He worked Hooterville and Lawrence of Arabian
fame,
And soon the DX world knew his name --
(Oh, lord!)

Soon the DX world well knew his name.
By the time he was ten, he'd worked
everything in sight:
Siam, Peking, and Bangladesh.
He'd worked more than four hundred in every
mode and band,
And folks said he was the best in the land --
(Oh, lord!)

Folks said he was the best in the land.
He worked 'em with a single 807 lit up
bright;
He worked 'em short- and long-path late at
night;
He worked 'em CW and he worked 'em AM phone,
For a fourth-grader he didn't do bad --
(Oh, lord!)

For a fourth-grader he didn't do bad.
By the time he was twenty his fame had spread
far;
He was known in every hamlet, town and state.
He was loved by all women, hated by all DX
hogs,
And his call was written in all the famous
logs,
(Oh, lord!)

His call was in all the famous logs.
His DXpeditions soon added to his fame;
He worked the world from Spain to old
Bangkok.
South Georgia and Borneo and Liberia and Chad

Were all made more famous by his trips --
(Oh, lord!)

Were all made more famous by his trips.
Today Q. R. Zedd is the greatest of them all,
And even old Blackie knows his call.
He is gracious, good and kind, and modest to
a fault;
He's the most modest DXer of them all --
(Oh, lord!)

He's the most modest DXer of them all.
He lives quietly and comfortably on Honor
Roll Ranch
Just a hoot and a holler south of town:
Just him and Tondelayo and a crew of forty-
four,
And he never brags though he is so great --
(Oh, lord!)

He never brags although he is so great.
And whenever DXers gather 'round their rigs,
His name is sure to be heard.
But that's only proper, and what more can be
said?
There's nobody quite like Zedd --
(Oh, lord!)

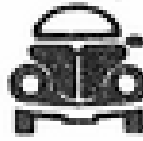
There's nobody quite like Q. R. Zedd.
So let us all stand tall, and show our pride
to all,
That Q. R. Zedd is one of our own!
He's the finest, brightest, straightest DXer
ever lived;
It's an honor to sing of his fame --
(Oh, lord!)

It's an honor to sing of his fame!
We love you, Q. R. Zedd, you're inspiration
for us all,
And we bask in your glory and your fame;
You're the finest, greatest, truest DXer ever
lived,
It's an honor to sing out your name --
(Q. R. Zedd!)

It's an honor to sing out your name!
So let's hear it one last time for the
greatest of them all,
The legendary, famous Q. R. Zedd!
He's the finest, greatest, truest DXer ever
lived,
It's an honor to sing out his name --
(Q. R. Zedd!)

It's an honor to sing out his name!
(last verse may be repeated)

-- KU5B



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NOVEMBER MINUTES ACARC

President Rob Ruyon brought the November 5th, 1982 meeting of the ACARC to order at 8:00pm with 47 members and guests present. After a round of self introductions, Don, K5SJY gave the CORA report consisting of the following items;

1. CORA's bank account stands at \$ 2000.00.
2. Operation Watch Dog at the state fair was a great success and gained praise from local officials.
3. Ham Holiday 1983 is set for July 29, 1983 and will include radio and computer technology.
4. The Central Oklahoma Computer Organization (COCO) is applying for CORA membership.
5. CORA is seeking ARRL State Convention status for Ham Holiday 83.
6. The Oklahoma State communications coordinator has been changed to Jim, K5PER.
7. Sadly... Leonard Hollar, WA5FSN, became a silent key last month.

Old business - We are still studying 220/440 repeater possibilities, but presently work on the 25/85 machine is taking precedence (See file 0).

New business - The 1982 Christmas dinner is planned for December 10th (the 2nd Friday of the month), 6:30pm, at Dodson's Cafeteria, 2150 SW 59th. The dinner will replace the regular meeting. Contact Rob AA00 if you plan to attend.

A nomination committee has been formed to recommend new officers for next year. If you would like to serve the ACARC contact;

Larry Vorhies K5RJR,
Hollis Holcomb N5ABL or
Bob Graham WB5NSV.

The elections will be held at the January meeting.

At 8:20pm Rob turned the floor over to Al Threlfall, KD5KU, from Hewlett Packard. Al put on a great show on computer controlled test equipment which included a complete diagnostic test of some of the ham equipment the audience had brought to the meeting. A great show Al... thanks.

The meeting adjourned at 9:02pm for refreshments.

Jim Seignious WB5UHW
Secretary ACARC

FOR SALE: Heathkit H-14 serial printer \$150.00. Radio Shack Line Printer VIII \$600.00. Line printer VIII practically new. H-14 works fine, I just have no need for a serial printer.
Call 392-5486 Gene WB5SQC

WANTED: Four (or more) 811A tubes for my Homebrew Linear. Call: Jess Speer Norman, Ok 321-7302

FILE 0

NOTICE NOTICE NOTICE NOTICE

WR5AVM repeater will be off the air for a short time sometime in late November or early December, depending on work-crew availability. The equipment will be removed from it's present location, and temporarily installed at the Aero Center so that we can refurbish the entire thing. The identifier will be changed to W5PAA/R in accordance with the new regulations even though the WR5AVM license doesn't expire for a little while. You may notice a decreased coverage area for a while, and a gradual recovery in area. Also, you can expect the patch to be available on a more-or-less erratic basis for a while. The equipment will be worked on an in-service basis as much as possible, but expect some periods of outage to occur frequently. The control operators will try to keep you informed on-the-air as much as possible concerning current status of the equipment.

I had a whole bunch of things in my head for last month's C&E. Time caught up with me, and I missed the deadline. One of the things I wanted to comment on was the enormous success of Operation Wtc-82, and a well deserved pat-on-the-back for Art WIGOM, and his vivacious YF Jane. Anyone who watched that pair work during the fair has to be impressed. Also, Bob KA5ETA turned in an excellent performance as net control. There were many others involved with the program to be sure, but those three should be singled out for their efforts. The rest of us can claim pride in our involvement as well...the whole show was a big success because of the efforts of a lot of good hearted amateurs...Thanks gang !!!

The November meeting was by all standards, a smash success. Al KD5KU and his lovely YF Linda put on a super program. Al first went through the development and application of an IEEE interconnecting standard for test and measurement equipment; and then demonstrated some very sophisticated test/analysis equipment under processor control. After the program, Al hooked up his equipment and made some automatic analysis runs for the handheld rigs in the room. I have a little computer generated readout for my Icom now that even graphically plots the audio response. NICE JOB AL, THANKS.

Don't forget the December meeting will be held the second Friday, at Dodsons Cafeteria 2150 S.W. 59th. at 6:30PM December 10. It's not too far from the Aero Center.

The plan is to go through the line in a normal way, and bring your meal to our reserved dining room. We will eat and converse from 6:30 to 7:30, and then have a short program (with a few door prizes) Should be over before 9:00PM. We told Dodsons that we would have between 40 and 100 folks, so bring the family, and enjoy it with us.

73, Rob AA00

FILE 0.1

During a telephone conversation the other day, a question came up concerning what is "proper" subject matter for discussion on the repeater. I gather from the tone of the conversation that it was posed to me with some sort of idea that I would mediate a dispute between several patrons of the repeater, on the subject of use of the repeater. I hope I successfully declined to get into that position. However, the incident got me to thinking about some basics with respect to the repeater which probably need repeating from time to time. When we (the ACARC) decided to take on a repeater project some years back, we made some early and, I believe, wise decisions with respect to general policy. First, we decided that the repeater would be completely open to all licensed amateurs who cared to use it in good taste. Second, we made it a policy that the patch would be open as well within the limits of FCC regulations for such operation.

Beyond these two fairly simple policy statements no other "rules" exist that I know of. Since radio amateurs are deemed to be self-policing, the assumption is that if any user of the repeater detects improper use of the privilege he/she should so state to the party and attempt to help clear up the problem. Theoretically that makes us all responsible for use of "our" repeater. That makes a lot of sense because after all it belongs to all who use it.

Because of the regulatory requirements, there is a trustee for the license. In the final analysis, FCC will hold the trustee responsible for legal operation of the equipment and privileges. However, that simple fact doesn't place the trustee in the role of arbitrator of arguments between users. General policy for operation of all the club equipment is made by the Executive Committee of the club. The trustee will request certain procedures he feels comfortable with such as signing on-and-off the log at W5PAA in a certain form, and signing in-and-out of the repeater autopatch with yours and the repeater identifiers. Beyond that however, most operational requirements for club equipment is based on FCC regulations, and the good sense of the operator involved.

So, use the repeater as you would your own station (because it is yours) and if you have a problem with what someone else is doing, then let them know about it in a tactful way. But, if you land in one of those grey areas of the tenets of "good" operating practices, and an argument develops, try to work it out before laying it in my ear. If something gets out of hand, I'll be the first to step in because of my own self-interest as trustee...but beyond that you are on your own. Thanx... Rob AAØO

IDEAS FOR BETTER REPEATER OPERATION

"This is W5JES does anyone read this frequency?" How many times have you heard this on a two meter repeater? How many times have you, who have a scanner, wish the operator would have identified the frequency. How much additional effort is it to say "This is W5JES does anyone read the 83 repeater?" or something similar to that?

So many times we have listened to a mobile, looking for information, call and not identify the repeater frequency. By the time we have a chance to look at the scanner it has gone on scanning. The mobile probably thinks we are a sorry lot since we will not talk to him yet it is his operating practice that causes the trouble.

Let's all try to help any and all to better use our repeaters by advising the callers there is a better way to do it and when we are mobile in a strange area tell all the frequency or the repeater on which we are listening.

73
Gene
WB5SQC

A LOVE LETTER TO A 65 YEAR OLD HUSBAND.....JUST RETIRED

My Beloved George, I welcome you home with pride and with pleasure. There may have been pleasure in it 30 years ago but there would never have been more pride. And I welcome you with a re-assertion of the vow I made to you 43 years ago. I still take you for better or for worse. My pride lies in the fact that you have made it to retirement. This is a great achievement you know, as many are not so fortunate.

Since you first went to work you have manoeuvred your way past some formidable dangers...a couple of wars, cancer, heart attack, automobile accidents, mental breakdowns, and lighting. A man who has survived the perils of the last 50 years is a hero by just staying alive.

I'll want you to have a nap every afternoon because it will be good for you and because you deserve the luxury. I'll want you to sit up on week nights to your heart's content and see all the late movies you want. I'll want you to go to the doctor every six months for a check-up. I'll want you to come and go as you wish, fish, hunt, or play with your pals as long as you want. I'd like you to think about enlarging your shack and would like you to spend untold happy hours rag-chewing with your cronies. I want you to take \$400 out of savings and buy yourself some casual clothes for this great new adventure of your life.

Now for your instructions! . . . Stay out of my kitchen!! . . . Prepare a chart showing which of the household chores you intend to take over . . . Start by cleaning up your ashtray and any other mess you make during the day. I'll still take care of your evening and week-end messes, except in the shack . . . Prepare to give me two free afternoons a week to be with my friends . . . Have your eyes checked, then subscribe to a second newspaper, because we are going to have a lot of time on our hands, and news-reading will help to fill it . . . Set up in the bank, in your investments, or somewhere, an adequate sum of money in my name so I can get it in a hurry if I have an emergency to face alone . . . Then go and make a Will - that is if you want your meals on time! . . . Be informed that when "retirement let-down" hits you in about a month, you will have ten days - no more - to feel sorry for yourself. After which you'll have to smarten up and get on with your new life.

I'm so glad, my dear, that you have come home in retirement. As soon as we have become acquainted with each other, we are going to have a splendid time! Your loving and devoted wife, Jean (XYL VK2GT).

Submitted by Carl Drumeller W5JJ
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SALES

OU

First, I'd like to apologize to Ken, N5BEW for leaving him out of our article last month. Ken not only helped with the bicycle races last September, but he came up with an extra fuse for the power supply for the command post when the power supply's terminals were shorted by an errant raindrop. Ken also helped with the races last year and provided several hours of work in putting up the new tower at the OU club ham shack in Wilson Activity Center.

Which brings me to this month's subject, or as Bob and Doug McKenzie of the Great White North (Canada) might say, "G'day. Today's topic is antennas, eh?"

The University finally decided the OU club could bring its hf beam antenna down from the roof of Carson Engineering Center. It took longer to obtain this permission than it did for the University to order the club to pack up and move its ham shack out of the engineering building. At 4pm Friday, November 5th, Luke, KA5BAY, Peter, KA5COI, and myself assisted by an employee of OU's Physical Plant (one of the University's stipulations) ventured onto the roof of Carson Engineering Center to move our antenna. It was too large to be moved into the building without disassembling it so we took the easy way out. We lowered the antenna down the side of the five story building on a rope. Tim, KA5OHU, was waiting on the ground. The entire operation was directed from the ground by Noah, N5BIS, of the Tulsa Repeater Organization who was in Norman for dad's day at OU. Noah is the father of OU club member KA5BAY.

Later at Wilson Center, we attached the beam to a long pole and fixed a two meter ringo antenna to the top. Then on the second try the antennas were successfully hoisted up on our 45 foot tower. By this time darkness had overtaken the operation but we continued with the use of spotlights. Work continued with help from Gayland and Richard of OU REACT who helped purchase materials in return for putting an eleven meter beam on the same tower. While working on the second antenna, our helpers attention was diverted by two houses near campus that suddenly caught fire. Our members on the roof watched the Norman Fire Department and the Norman and OU Police Departments work the fire during the remainder of our antenna party. Peter was too busy to watch anything from his vantage point at the top of the tower.

We now have four antennas up covering 2, 10, 11, 15, 20, 40, and 80 meters. I've been told that it looks pretty impressive, but I doubt if many of the students know what the antennas are for. Most hams recognize them and I guess that's what's important. The club hf rig is working again. The first contact made with the beam in place was NP4B, the station at the Kennedy Space Center in Florida which was making contacts and sending QSLs in the form of 8x10 pictures of the space shuttle during the shuttle's fifth trip into space. The QSO was made by OU club member KA5MMN, Louis, who said, "I've been trying to get him all afternoon but couldn't get through the pileup." Louis made it on the W5TC station on the first call.

REMINDER**** The December meeting will be December 7th at 7pm in 119 Wilson Activity Center located just south of Jenkins and Lindsey at 1334 S. Jenkins. Bring your ideas for club QSL cards so we can start the process to getting them printed. Also club members who wish to use the club station, W5TC, contact Greg, 325-3218, or Peter, 329-3217 for keys to the shack. Or try to get us on 146.28/88, especially in the afternoon.
GREG, KA5LZN

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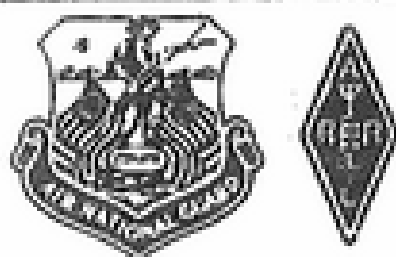
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MINUTES FOR NOVEMBER

MEETING WAS CALLED TO ORDER BY JIM HOPKINS
PRESIDENT
INTRODUCTIONS FOLLOWED

FIRST ORDER OF BUSINESS

SECRETARY REPORT: THE SECRETARY REPORT WAS SUBMITTED AS PRINTED IN THE C&E. A MOTION WAS MADE TO ACCEPT MINUTES AS PRINTED. MOTION WAS SECONDED AND PASSED.

TREASURER REPORT: BY DALE MOORE. DALE REPORTS THAT HE HAS RECEIVED \$42 IN REPEATER SUPPORT SINCE HE HAS BECOME TREASURER AND THE BALANCE NOW IN REPEATER FUND IS NOW \$240.21. HE ALSO REPORTED THAT HE HAS RECEIVED \$54 IN NEW DUES FOR CLUB AND THAT THE NEW BALANCE OF CLUB TREASURY IS \$211.23.

MOTION WAS MADE TO ACCEPT TREASURER REPORT AS READ. SECONDED AND VOTED TO ACCEPT. DALE ALSO ASKED QUESTION ABOUT THE RULE ON VOTING ON THE ACCEPTANCE OF NEW MEMBERS. THE RULE WAS EXPLAINED BY THE SECRETARY AS EACH NEW MEMBER MUST BE ELECTED BY A 2/3 MAJORITY OF ALL PRESENT AT MEETING.

C.O.R.A. REPORT: NEW OFFICERS ARE GETTING OFF TO A GOOD START ON PREPARATIONS FOR HH83. REPORT ON WATCHDOG OPERATION AT THE STATE FAIR. THERE WERE 106 HAMS PARTICIPATING AND THEY WERE RESPONSIBLE FOR LOCATING 106 PERSONS. HH83 DATE HAS BEEN SET FOR JULY 29,30,31. THIS YEAR THE PROGRAMS WILL DEAL HEAVILY IN COMPUTERS. THE 76ERS ARE IN CHARGE OF PROGRAMS THIS YEAR. THE OFFICERS WENT OUT AND CHECKED A FEW NEW FACILITIES, BUT NO DECISION HAS BEEN MADE AS OF YET. APPLICATION WAS MADE BY THE COLOR COMPUTER GROUP TO JOIN CORA AS ABOUT 60% OF THEIR MEMBERS ARE ALSO HAMS.

REPEATER REPORT: DON REPORTS THAT ALL IS STILL WORKING. AND THAT THE TECHNICAL COMMITTEE IS IN THE PROCESS OF DESIGNING AND PROGRAMING OUR NEW COMPUTER CONTROLLED REPEATER CONTROL.

OLD BUSINESS: THE COFFEE POT HAS BEEN PURCHASED AND THE MEMBERS ARE ENJOYING IT TONIGHT.

CHRISTMAS PARTY: THE CHRISTMAS PARTY WILL BE HELD AT DODSONS CAFETERIA AT S.W. 42 AND WESTERN IN THE REDING SHOPPING CENTER IT WILL BE HELD ON OUR REGULAR MEETING NITE TUESDAY DECEMBER 14 AT 7:00 PM WE ARE COMMITTED TO BUY AT LEAST \$50 DOLLARS IN FOOD. IT WAS DECIDED BY A SHOW OF HANDS TO HAVE A "WHITE

ELEPHANT" GIFT EXCHANGE. THAT MEANS YOU WRAP UP SOMETHING THAT YOU WANT TO GET RID OF AND WE WILL DRAW GIFTS. TWO RULES APPLY: THE GIFT MUST BE WRAPPED AND YOU HAVE TO BRING A GIFT TO BE ELIGIBLE TO RECEIVE ONE (ALSO YOU MUST TAKE HOME WHAT YOU GET).

FIELD DAY RPT: CONGRATS TO THE 76ERS WHO CAME IN 4TH IN THE ENTIRE NATION WITH 9,689 POINTS. THAT IS A GREAT SHOWING BUT WE PLAN TO DO BETTER NEXT YEAR WITH MORE BONUS POINTS. THANKS TO ALL WHO HELPED LAST YEAR AND WE INVITE ALL TO COME OUT THIS COMING SUMMER.

NEW BUSINESS: THERE WILL BE A SPECIAL EVENT STATION SET UP AT JUBILEE CELEBRATION OF THE STATE OF OKLAHOMA. THE SPECIAL CALL SIGN WILL BE KSOK.

THERE WAS DISCUSSION ON THE NEW MEETING PLACE. EVERYONE SEEMED TO AGREE THAT IT WAS A GOOD PLACE TO MEET BUT DICK BAKER GAVE US THE RULES THAT WE MUST GO BY WHILE THERE SINCE IS A BUSINESS LUNCHROOM. WE MUST OF COURSE KEEP THE PLACE CLEAN WHILE WE ARE THERE; EVERYONE ATTENDING MUST SIGN THE CLUB ROSTER THAT IS PASSED AROUND SO THE GUARDS WILL HAVE A RECORD OF ALL ATTENDING; THERE MUST BE AND EMPLOYEE OF OG&E PRESENT TO LET US IN. (EG. DICK BAKER, NIZAM, ETC)

Well, I hope everyone enjoyed the November meeting. Remember, we would like everybody to give us another look to see what they think. If you didn't make it, there's always next time. We'd love to have you. Nuff said!

Most of us all know how shabby the repeater situation has been for the past several months. Well, all of that is about to change folks. That's right, a super-duper control system is being perfected right now by our illustrious technical committee. While many people are involved, I think it would be appropriate to highlight several people who are giving up countless hours of their time so everyone may benefit. The chosen few are: AE5N, WB5TMW, N5BFD, KD5SX, KH6JTE, N5AUH, KB5XN; and last but certainly not least, WA5CJG. All of these fellows are hard at work to get us up and running with a control system that will be second to one (That's what happens when your'e on a low budget). This super-duper control circuitry, which may be operational by March, will enable us to do quite a number of things, not the least of which is remote autopatch control, so we can get the patch up and running again for all our wonderful supporting members (and our supporting non-members).

In addition, some other possibilities exist. A statewide emergency link system may finally become a reality. Who knows, the possibilities are endless. Keep in mind that while the link system is merely speculation, this control system is not. It will be operational sometime next spring, and with it a vastly improved system. To increase our local range, the antenna height will be increased as well. This could happen very soon, assuming we can find the necessary structure. As you can see, big improvements are just around the corner. Watch us grow!

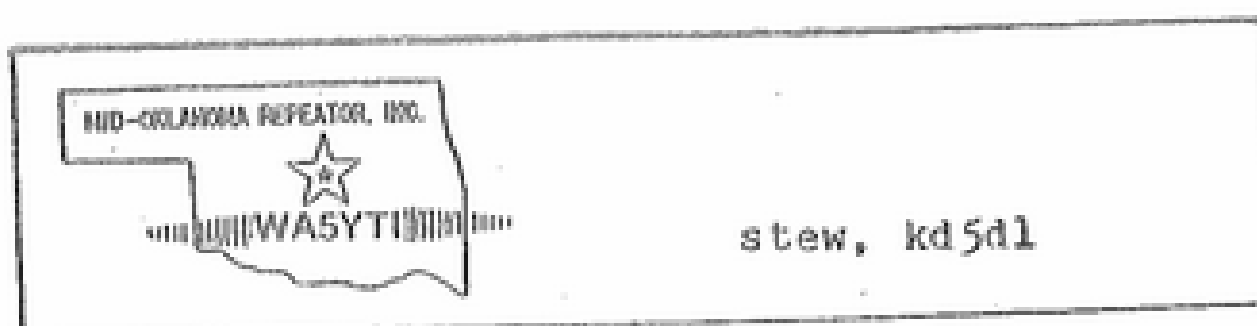
A couple of weeks ago, two amateurs were transmitting ASCII on the 76 repeater. They were both club members, they both legally identified their stations and were completely legal in all respects as they communicated. However, after time went by, someone else decided that they weren't legal and decided to tell them so. This person, who is not even a member of the 76'ers, said that they were in violation of FCC regulations and that they should cease their transmissions immediately. According to my rulebook, the only transmissions not legal on two meters are A5, F4, F5, and P. Since ASCII is classified as F1, I see no reason to tell them that they better 'clear out'. Please, let's all try to cut the other guy a little slack. Policing the bands is unnecessary. Save it for the real jammers.

Bruce, KC5CR

AT THIS POINT A BREAK WAS CALLED AND EVERYONE ENJOYED THE NEW COFFEE POT, AND LOOKED AT THE ANTIQUE DISPLAY OG&E HAS AVAILABLE. MEETING WAS CALLED BACK TO ORDER AND THE PROGRAM WAS PRESENTED BY DON AESN ON "HOW WE HEAR" HE PRESENTED A VERY INFORMATIVE SLIDE SHOW ON THE WORKINGS OF OUR HEARING DEVICES HANGING ON THE SIDE OF OUR HEADS. IT WAS A VERY INTERESTING SUBJECT THANKS DON. TOM N5GE OUR PROGRAM DIRECTOR ASKED FOR SUGGESTIONS ON FUTURE PROGRAMS. MOTION WAS MADE TO ADJOURN. MOTION WAS SECONDED AND CARRIED

JERRY N5AUH

ATTENTION 76ERS
CHRISTMAS PARTY WILL
BE HELD ON DEC 14TH
AT DODSONS CAFETERIA
AT S.W. 42 AND WESTERN
7:00 P.M. TILL 9:00
BRING A "WHITE ELEPHANT"
GIFT AND JOIN US FOR
THE HOLIDAY CELEBRATION



HAVE YOURSELVES A VERY M.O.R.I. CHRISTMAS!

The officers and members of Mid-Oklahoma Repeater, Inc., extend to everyone our very best wishes for the coming holiday season. We hope you can join with us in reflecting on the spirit of the Christmas season and how our fellowship can enrich all our lives. Merry Christmas to everyone.

M.O.R.I. CHRISTMAS DINNER.

Dodson's Cafeteria will again be the site for the M.O.R.I. Christmas dinner. KA5CXW, who chairs the Christmas committee, assures that the dinner will be another highlight of the year. In addition to a fine meal and club comradeship, a "Yankee Swap" will highlight the program. Fred explains that a Yankee Swap is a white elephant swap meet, where everyone brings an item of ham gear and participants draw for the prize. Each subsequent winner gets his choice of the previous prizes; so the last one to draw can be the big winner! It should be lots of fun.

We're also asking members to bring in a new or used childrens' toy to the dinner. The toys can be wrapped or unwrapped, but wrapped toys should be marked to age and sex of the intended recipient. All of the toys will go to the stockings of less fortunate and orphaned children at Christmastime.

Mark your calendar for 6:00 PM on Monday, December 6. The address is 4101 S. Western. For details call Fred, KA5CXW at 528-1537; Ron, KA5NVN at 324-8180; or Stew, KD5DL at 732-8562.

FM DEVIATE?

Mac MacDonald, K2GKK, presented our November program. His topic dealt with audio gain versus FM deviation, and how too many amateurs are using the wrong technique. His talk included a slide presentation to illustrate his point.

Mac's program was the same one he gave at Ham Holiday. He contends that too many FM radios are set with mic gain too high, and that extraneous noise finds its way into the audio circuit to swamp the intelligent audio. He recommends that FM users adjust their rigs by first setting the deviation control to about 7-kHz or greater, then adjusting the mic gain to give 5 1/2-kHz max deviation while talking into the mic at the same voice level you'd use in a heavy noise situation. Finally, reset the deviation pot to limit the peak to 5-kHz again, and you're ready to roll. (Autopatch tone pads should be set to a max of 3-kHz deviation after the above steps are made).

As many of you know, Mac operates Mobile from his motorcycle. He claims that setting his HT deviation as he outlines he has seldom had road noise detected in his HT transmissions!

Another point Mac made--when operating from the boonies, don't talk louder if you are told that your signal is a bit on the noisy side. He said that as audio is added to the signal's sidebands, the carrier itself is reduced. Unlike working ssb, louder audio on FM can drop the carrier below the receiver's r. f. sensitivity!

Maybe we can persuade Mac or his XYL, Judy, KA5BJS, to write up their technique for C&E!

NEXT YEAR.....

A lot of us hear that "Next year we're gonna do this, or gonna do that...." M.O.R.I. has been a leadership club over the years, and we expect to be the competition for years to come. 1983 will give us all an opportunity to advance with electronic technology; to refine our ever-changing state-of-the-art. It will be an important year for implementation of the new radio laws, and of change within the FCC.

M.O.R.I. elected its 1983 officers at the November meeting. Bob Allen, N5EPV, is to be the new president. Holly Stewart, KD5DL, will serve as vice-president and Fred Taylor, KA5CXW, will be the new club secretary. Incumbent Treasurer Sid Gerber, W5KOZ, will serve another term. All of the new officers have pledged to work together to keep M.O.R.I. as an active leader in Oklahoma amateur radio.

We hope we can be part of your future.



The November issue of the Wheatstraw Radio Club was well attended. This was the first sit-down meeting we have had since the April meeting in Calumet. We have been a very portable club all summer and when the weather warms up again next spring I hope we can continue with our excursions.

Our next meeting will be the annual Christmas dinner meeting. We decided to have a carbon copy of last year. JIM, K5VRL will make arrangements at HYATT'S Cafeteria for 2:00 PM Dec 12. We will assemble at the front and go through the line as a group. We cordially extend an invitation to the Oklahoma City riff-raff and others to join us. Don't forget our challenge to the other clubs. We will pass the hat for the Crippled Childrens Hospital and we challenge other clubs to match our donation to their worthy cause during this Christmas Season.

Net control this month will be ROSELIE, WA5LZD. We will all tune in on Wed nights at 8:30 and give her all the support we can. Elections of new officers will be conducted at our next meeting. I would like to say thank you to our current officers, and a MERRY CHRISTMAS and HO HO HO to our new ones.

The Wheatstraw Amateur Radio Club wishes everyone a very merry Christmas and peace and prosperity in the New Year. GOD BLESS ted wd5jnt

* F L A S H *
* SEVENTY SIXERS WIN *
* FOURTH IN NATION *
* IN FIELD DAY 1982 *
* TOTAL POINTS 9.689 *
* CONGRATULATIONS *

SPACE CADET W5JES, HEST FAME AND H.B.T. JR.
AT THE BOTTOM OF PAGE 3 C&E AUG. 1976, BUT
HIDE FROM WA5IRS ex libris AB5TKG

THE OFFICERS OF THE E.A.R.C. WOULD LIKE TO
WISH YOU A MERRY CHRISTMAS and a JOYFUL
NEW YEAR...

Mark, Glenn, Stan, & Dennis

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and Yaesu XC-2 quick charge base.
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FCC Releases Details of Logging NPRM

On November 3 the FCC released the details of the Notice of Proposed Rulemaking regarding the elimination of most Amateur Radio logging procedures.

FCC's PR Docket No. 82-726 proposes to delete all logging requirements that "serve no regulatory purpose" in the Amateur Radio Service.

Logs for routine station operation are intended to determine whether or not the Amateur's communications are in accordance with the rules, and to verify when the station was in operation. The Commission has rarely used the station log for this purpose.

Logs of routine station activity would no longer be required. Specifically, these items would be deleted:

- 1) Description of third party traffic.
- 2) Information that appears on the station license, such as the call sign and signature of the station licensee.
- 3) Entries specifying the dates and locations of portable or fixed station operation.

The only routine logging information that serves a regulatory purpose to the Commission involves situations where the control operator is not the station licensee. In this case, the required information can take any form the station licensee feels is adequate. For example, the licensee could write a statement indicating that the station was operated by a different control operator, during a certain time. Even a tape recording of the information would suffice. If this record did not exist, the Commission would assume that the station licensee was the control operator.

Certain technical documentation regarding repeater, auxiliary, and remotely controlled stations that the FCC requires in station logs would still have to be kept as a part of the station records:

1. Repeaters transmitting with an effective radiated power (ERP) of greater than 100 watts on frequencies between 29.5 and

420 MHz, or 400 watts on frequencies between 420 and 1215 MHz, shall have this information in the station records:

- A. The location of the transmitting antenna marked on a topographic map.
- B. The transmitting antenna height above average terrain (HAAT).
- C. The ERP in the horizontal plane for the antenna, when full power is applied.
- D. The maximum transmitter power.
- E. The loss of the transmission line between the transmitter and antenna.
- F. The relative gain of the transmitting antenna.

II. When a station is in repeater or auxiliary operation, a system diagram must be included as a part of the station records.

III. For stations operating under remote control:

- A. A photocopy of the station license must be posted in the station location.
- B. The station records must include:
 - 1) Names, addresses and call signs of all authorized control operators.
 - 2) A functional block diagram of the control link and a technical explanation to describe its operation.
- C. Each remotely controlled station must be protected from unauthorized operation.

However, the station licensee would not need to keep this information in a logbook; the licensee would be allowed to keep this information in any fashion he desires, so long as it complies with the proposed rules and is readily accessible for the Commission's inspection.

The FCC wishes to emphasize that any Amateur wishing to keep a complete, detailed station log, as under the present rules, could still do so. The deadline for comments is January 14, 1982.

IS YOUR CALL SIGN CORRECT ? ?

It probably is on your license and in your mind, but, is it correct in the C&E records?

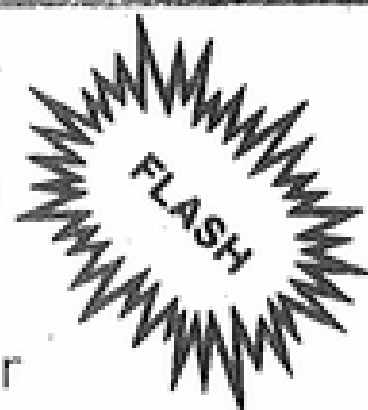
We hope to have an updated CORA roster in the next issue which will be put together on 13 December (on account of the Christmas holidays when most everyone is busy with parties, shopping, etc. to have much club activities going on).

SO + + + +

If you have the last roster around and it is wrong or you have changed calls in the last few months then it is up to you to get the corrections in in time for them to be put into the computer.

If you have any changes to be made for the roster:

1. Get them to your club dues taker so he can get them to us by 6 December.
2. Mail to Box 15013, Del City OK 73155 to arrive by 6 Dec.
3. Call Bob Graham or me.



LOOK AT YOUR LABEL + + +

The end of the year is dues paying time for several clubs. Maybe you have not made a club meeting lately and forgot to renew in some club.

If you see RED on your label it means that you owe some dues to a club and they are paying for the C&E for you, so pay up before the postman quits bringing in the C&E to your house.

IF YOU NEED HELP + + +

On C&E matters call 737-1044 as I will be home much of the time now that it has turned cold.

WEATHER WARNING + + +

If there is snow or ice on the ground or a good probability of it, I won't be at the Red Cross to edit on the scheduled night. Call me if there is a question.

Joe, WA5ZNF

The South Canadian Amateur Radio Society

ANOTHER SCARS NON-MEETING.....

Due to the early kick-off of the OU- Missouri football game on 13 November, the SCARS meeting which was scheduled for that day was postponed until the following week. Since the new meeting date, 20 November is after the deadline for this issue of C & E, it is impossible to carry the report of the meeting.

During the rescheduled meeting, the election of officers for 1983 is to be held. The nominating committee has made the following nominations:

President- Bill Oliver K5KDR
Vice Pres- Bob Rabin KA5MIZ
Secretary- Ken Neptune KA5EFJ
Treasurer- Gene Johnson WD5GTC

Nominations from the floor are also encouraged. K5KDR has served this past year as Vice-Pres. which does not conflict with the SCARS rule prohibiting an officer from succeeding him or herself in the same office on a second consecutive year.

Also at the November meeting, WA5TAW, Don Graham is scheduled to give a program on the Osborne I computer

OTHERWISE, HOW ARE THINGS???????????

Well, at this writing, the SCARS repeater is still not back on the air, however by the time that this publication reaches you, it should be up and going. The Antenna was put on the Sheriff's tower on the Courthouse, and after a brief touch-up at TD's, the machine will be back on the air.

REMINDER DEPARTMENT.....

The annual Christmas Dinner Party will be held on December 3rd at 7pm. The Dinner will be held in the President's Dining Room which is upstairs in the Commons Restaurant. This is the same location that we have used for the past 3-4 years. November 28th is the last day to make your reservations, so send or give \$7.75 per person to Bill Oliver, K5KDR. By the way, we will gather in the dining room about 6:30 for some socializing before dinner.

Also, a reminder about dues. The new lower dues go into effect this year and all dues are due as soon as possible.

The new dues are:

Full membership (includes repeater use) as well as C&E is just \$12/year

Associate membership (for non-repeater users) is only \$6/year

We need to get the dues in as soon as possible so that each member can fill out one of the little forms to continue receiving C & E.

THAT'S ABOUT IT DEPT.....

Boy, don't I ramble on. All of the previous info comes during a month when nothing happened.

I'm always interested in reporting about anything that happens to members. Please let me know when you get a new rig, perfect a new gizmo, work a rare one, or take a trip.

-wa5rpp-

FOR SALE: 1) Wilson System 2 Antenna
2) 27 foot aluminum tower with rotator
3) 4 element monoband yagi for 15mtr
Call: Leland Black at 329-3222

CHESS BY HAM RADIO

Chess & Amateur Radio International (CARI) is a new organization which combines the ancient hobby of chess with the modern hobby of amateur radio.

Amateur Radio operators around the country are now enjoying chess games over the air, without the expense of telephone calls or postage.

Mike Sakarias, a school teacher at the remote Eskimo village of Goodnews Bay, Alaska, played the first official CARI chess game by radio with 17-year old Jim Luciani of Egg Harbor, New Jersey.

"Since coming to the Alaskan bush," said Sakarias, "my chess playing has faded because there are not many opportunities for it up here. But there is a lot of time for amateur radio, and I am delighted that both hobbies should be together like this."

According to CARI founder Vince Luciani, chess players who are not radio amateurs have also joined CARI

CARI uses a computer to keep track of members, some being as far away as Australia. The computer also matches chess players for on-the-air games.

Luciani, Author of the book Amateur Radio, Super Hobby!, explains that his popular book has already helped many newcomers to understand amateur radio.

"CARI is able to assist anyone who is interested in either amateur radio or chess," said Luciani.

For information write to CARI, P.O. Box 682, Cologne, New Jersey 08213-0682



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Edmond Amateur Radio Club
P.O. Box 76252 / Okla. City, Ok. 73147

Editor: STAN VAN NORT WB5UIY

The meeting was held at the OKC Emergency Operating Center (EOC) on 11/4/82. President Mark Northcutt called the meeting into session and the minutes & treasurer reports were completed.

Mike Salem reported the telemetry voice response unit for the computer controller has already been paid and should arrive by UPS within the next 2 or 3 weeks.

Dennis Orcutt passed out some maps and computer lists. He reported on the two rept. systems and both are working up to full capability. The UHF repeater is picking up some noise that appears to be from the Doppler Radar system at TV channel 9. It apparently is troubling other nearby radio systems also and Dennis will check on it further.

Mark then made several announcements and passed around another poll that would be sent to the ARRL. Mark then asked Art, W1GOM to give a report on Operation WatchDog that the amateurs worked on at the State Fair. From EARC club 13 members assisted in the project.

The Nominating Committee, chaired by Larry Dillard, made their report and after everyone was railroaded into office, correction, voted in by acclamation, the meeting was adjourned.

NEW OFFICERS FOR 1983

President -----	Mark Northcutt	WD5DYI
Vice-Pres.-----	Glenn Cochran	WB5MLX
Sec./Treas.-----	Stan Van Nort	WB5UIY
*Trustee-----	Dennis Orcutt	WB5ISN
*(Non-elected office)		

The annual Chili & Stew Christmas dinner has been set for Dec. 2, 1982, 7:00 PM, at Deeds Bigelow's Ranchito. Contact one of the club officers if you need directions. No gag

gifts this year since it was not voted on at the last meeting. Ron "jalapeno" Bragg has volunteered to make the chili.

The club would like to express sympathy to Glen Cochran, WB5MLX and Wendell Cochran, WB5ISO, whose mother/grandmother passed away during November.

Most of you know Howard Thompson, W5UVI, was transferred to Kentucky with his company General Electric. He of course will be dropping his membership. Howard was a former sec/treas of the radio club for several years and was good friends with many members. He will certainly be missed, and we wish him good luck. On the other hand, Howard.....

NEW V.R.T. FOR THE COMPUTER HAS ARRIVED

The new updated version of the voice response telemetry unit arrived Friday, Nov 12. The unit was installed Sunday night by Dennis and Mark. The company also sent 4 new chips to improve and expand the program which operates from the main board. This also included a new 8085 CMOS micro-processor to reduce current drain. The new VRT has an expanded vocabulary which includes: repeater, meeting, house, this is, and others. It will also now give time of day on command and also at the end of an autopatch call. The VRT can now accept inputs from several remote telemetry devices. The club will need to purchase transducers or other equipment to operate these functions. The new software change includes a new code to access the reverse autopatch. Contact one of your club officers for the new command code. There has also been discussion of changing the other access codes for security and simplification. If you have any suggestions or complaints contact Dennis Orcutt.

NEXT BUSINESS MEETING

Next business meeting is set for January 6, 1983. Time, 7:30 PM. Make a note on your new 83 calendar



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