

Central Oklahoma Radio Amateurs

COLLECTOR

AND

EMITTER

SINGLE COPY

25¢



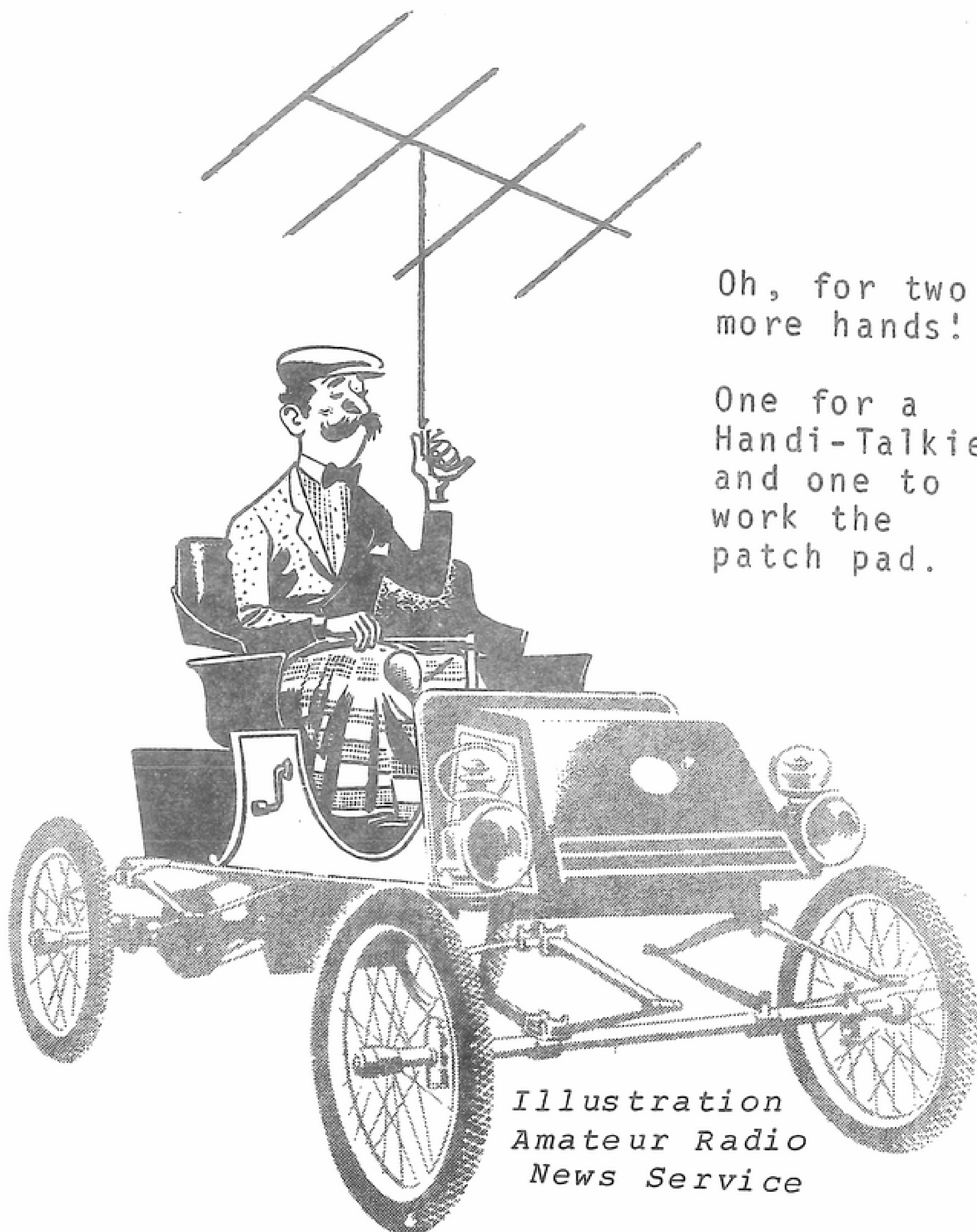
AN INFORMATIVE MAGAZINE
PUBLISHED MONTHLY BY AND
FOR OKLAHOMA RADIO
AMATEURS

AND ANYONE INTERESTED IN
LEARNING ABOUT IT

Volume 4

January 1979

Number 48



Oh, for two
more hands!

One for a
Handi-Talkie
and one to
work the
patch pad.

Illustration
Amateur Radio
News Service

Central Oklahoma Radio Amateurs

COLLECTOR AND EMITTER



Published monthly by CORA Inc 1020 Arthur Dr Oklahoma City OK 73110
ADDRESS ALL COMMUNICATIONS TO:

CORA C&E, P. O. Box 15013, Oklahoma City OK 73155

Unless otherwise indicated contents may be reprinted by club type, non-profit publications without prior permission. Credit: CORA Collector & Emitter

SECOND CLASS POSTAGE PAID AT OKLAHOMA CITY OK
Publication No. 116150

Managing Editor Joe Harding, WA5ZNF 737-1044

Subscription: CORA members \$1.50 a year. All others \$3.00 a year.

Central Oklahoma Radio Amateurs, Inc. (CORA) is a not-for profit association of radio amateurs, founded for the promotion of interest in amateur radio communication and experimentation, for the advancement of the radio art and of the public welfare and operates to enhance the cooperation of member clubs in sponsoring activities of mutual interest to the clubs and all radio amateurs.

| | | | |
|----------------|----------------|--------|----------|
| President | Mark Northcutt | WD5DYI | 842-1086 |
| Vice President | Chuck Wilhite | K5NK | 721-4926 |
| Secretary | Nathan Kirby | KB5BF | 364-7979 |
| Treasurer | Ron Recer | WD5FRQ | 751-5378 |

CLUB EDITORS

| | | | | | | | |
|-------|--------------|--------|----------|---------------------------------------|--------------|--------|----------|
| ACARC | Bill Oliver | K5KDR | 329-6333 | OCARC | Joe Buswell | K5JB | 732-0676 |
| BIARC | Edie Day | WB5YHG | 691-1194 | OKCAP | Henry Israel | N5IH | 722-3848 |
| ALTUS | Janice Simms | WB5WMN | 477-0921 | MORI | George Lee | WB5NMK | 946-2754 |
| OUARC | Nathan Kirby | KB5BF | 364-7979 | Contributing Editor, Mike Salem, N5MS | | | |

PARTICIPATING CLUBS FOR CORA COLLECTOR & EMITTER:

AERONAUTICAL CENTER AMATEUR RADIO CLUB
Postal station 18, Okla City OK 73169
MEETS: 8:00PM First Friday each month
Flight Standards Bldg, FAA Aero Center

| | | | |
|--------|---------------|--------|----------|
| Pres | Robert Graham | WB5NSV | 677-8685 |
| V-P | Robert Runyon | AA00 | 373-1818 |
| Sec/Tr | Bill Oliver | K5KRD | 329-6333 |
| Assist | Paul Asplin | WA5HTL | 685-6590 |

MID-OKLAHOMA REPEATER
MEETS: 8:00 PM First Tuesday of month. Okla City EOC, 4600 N Eastern

| | | | |
|--|---------------|------|----------|
| Pres | Chuck Wilhite | K5NK | 721-4926 |
| V-P | Bill Atkins | N5AH | 737-6984 |
| Sec/Tr | Jim Jones | K5PR | 634-5235 |
| Dues: Sid Gerber, 829 Bouse, MWC 73110 | | | |

OKLAHOMA UNIVERSITY AMATEUR RADIO CLUB
MEETS: 8:00 PM, 1st & 3rd Thursday
Rm 449, Carson Engineering Center.

| | | | |
|-------|---------------|--------|----------|
| Pres | James Gardner | | 321-8779 |
| V-P | Dan Orr | WD5GKZ | 325-6951 |
| Sec | Mark Proting | | 329-1452 |
| Treas | Nathan Kirby | KB5BF | 364-7979 |

BICENTENNIAL AMATEUR RADIO CLUB [76'ers]
MEETS: 3rd Tuesday each month, 7:00 PM
Air National Guard, Will Rogers Airport

| | | | |
|-------|----------------|--------|----------|
| Pres | Mark Northcutt | WD5DYI | 842-1086 |
| V-P | Joe Ramage | WB5TDW | 685-4814 |
| Sec | Joe Couch | WD5BMP | |
| Treas | Don Duck | AE5N | |

OKLAHOMA CENTRAL AMATEUR RADIO CLUB
323 NW 10th, Okla City OK 73103
MEETS: 8:00 PM third Friday each month.
American Red Cross Bldg, 10th & Hudson

| | | | |
|-------|---------------|--------|----------|
| Pres | Ken Ford | WB5KHU | 528-8770 |
| V-P | Al Prince | WB5KCU | |
| Sec | Joe Buswell | K5JB | 732-0676 |
| Treas | Ellard Foster | W5KE | 789-6702 |

OKLAHOMA CITY AUTOPATCH ASSOCIATION
MEETS: 7:30 PM 3rd Tuesday, Monthly
Oklahoma Military Academy 36yh & Grand

| | | | |
|--------|----------------|--------|----------|
| Pres | Frank McCollom | N5FM | 751-3577 |
| V-P | Henry Israel | N5IH | 722-3848 |
| Sec/Tr | Hobe Burgan | WB5MLN | 751-1646 |

CENTRAL OKLAHOMA RADIO AMATEURS
MEETS: 7:30 PM. Normally on last Tuesday, but see calendar. Red Cross Building, 10th & Hudson. (Alley)

ALTUS AREA AMATEUR RADIO ASSOCIATION
MEETS: 2nd Thursday, 7:30 PM
North Main Fire Station [CD]

| | | | |
|--------|--------------|--------|----------|
| Pres | Bob Bratton | N5AIP | 782-3073 |
| V-P | | | |
| Sec/Tr | Janice Simms | WB5WMN | 477-0921 |

Volume 4 JANUARY 1978 Number 48





RANDOM WORDS FROM THE PRESIDENT

Our annual Christmas Dinner at the Aeronautical Center Amateur Radio Club was a big success. Following an excellent meal, door prizes were given away with many "Big Winners." This was followed by the presentation of a special award to Bob Pace, WA5CJG, for his most outstanding efforts in getting "the best sounding repeater in town" going. Thanks once again from all of us Bob.

As you may be aware, our regular January meeting will include the annual election of new club officers for the new year. As I have asked the nominating committee to not recommend me for election to this office for the new year, they have done an excellent job "recruiting" candidates for our election. Please come out and let your vote be counted.

Because of the election of new officers for the ACARC, this will probably be my last "Random Words" column. I would like to take this opportunity to thank all of those who have worked with me in this last year, to continue to make the ACARC the fine organization which it is. I have enjoyed it, and I thank you.

73, Bob Graham, WB5NSV

The nomination committee for new officers is pleased to submit names of the following well qualified persons for club officers.

President
Bob Pace, WA5CJG
Robby Runyon, AA00

Vice-President
Bob Graham, WB5NSV
Bill Oliver, K5KDR

Secretary
Fred Swope, WB5PWO

Treasurer
Sam Cover, WA5WHO
Lee Forrest, W5HLZ

I want to thank all of the above for their willingness to run for club officers. All of us want and enjoy a club, but only a few are willing to put forth the effort to make it work.

George Lagaly, W5NTL
Chairman, Nomination Committee

There were no minutes for the Aeronautical Center Amateur Radio Club for December. A dinner meeting was held in place of the regular meet. The dinner was at Furr's Cafeteria and was well attended.

Bill Oliver, K5KDR, Secretary

FOR SALE: FM-210 3 Chan 2M Xcvr. 52/52, 34/94, and 07/67 xtals installed. 22/82 xtals, Xcvr, ACPS, Manual, Mike, and TT pad. \$125.00. 946-9200 K5LIL.



SOME THOUGHTS FROM YOUR SCM

I have been receiving some very disquieting reports about and from the 'O.O.' program in Oklahoma.

It has long been my policy never to criticize the operating methods and habits of my fellow amateurs. Too often that criticism is taken and given the wrong way and hard feelings result. This should not be.

I do not like a lot of things I hear on the bands. We are getting a long way from the traditional operating practices and habits. May be that I am 'old hat' but to me, a lot that I hear is a crossbreed between the old amateur 'lingo' and the 'lingo' from some other service that has crept in. The same applies to a lot of our operating methods and habits.

The original, and still in effect, concept of the 'O.O.' program is to guide, to warn those that are having operating difficulties. The O.O. is not a policeman. He should be considered a friendly adviser, and should conduct himself as such.

I recommend that all of you read the section on "O.O.'s" in your "Operating an Amateur Radio Station" booklet and guide yourselves accordingly.

I feel that the O.O. program is one of the most important functions of the League, and dislike very much to hear it being abused, by overzealous O.O.s playing at being a policeman. This is not the concept and should not be the case.

Please let us be good amateurs and help each other upgrade the image of Amateur Radio.

Leonard Hallar, WA5FSN

* * * * *

AMATEUR TELEVISION

You are invited to attend a meeting of ATV enthusiasts and those who are just curious. They will meet Thursday, January 11, at 7:30 pm. Second floor of Del State Bank, SE 29th & Vickie in Del City.

* * * * *

FOR SALE: Drake TR-22C with xtals for 22/82, 34/94, 81/21, 07/67. Will take \$150.00. John, K5QDR, 672-4786.

FOR SALE: 544 Ten-Tec transceiver w/outboard VFO, Power Supply, w/VOX. Call W5HLZ 737-2316.

FOR SALE: TR-22C w/ 52/52, 34/94, 22/82, 07/67, 81/21, 63/03, 19/79, 28/88, 31/91, 37/97, 13/73, 01/61 xtals. Mobile mounting bracket, carrying case, ni-cad batteries, 25w amplifier. All for \$200.00. Or will sell without amplifier for \$150.00. Ray Roton, A5AUB, 341-6123.

FOR SALE: YAESU "TWINS" FR-161S Digital Rcvr, and FL-101 Xmitter. The Receiver is late serial number, and in excellent condition, unmodified, and includes the FM board, 2 meter Converter, and C.W. Filter. The Transmitter is brand new, with only a couple hours air time, also late serial number. New List for both, as equipped, is almost \$1,500.00 - Sell both for \$950.00. ROBBY AAØO - 373-1818



ALTUS AREA

AMATEUR RADIO

ASSOCIATION

PRESIDENT - Bob Bratton, N5AIP

Sec./Trea.- Janice Simms, WB5WMN

The ALTUS AREA AMATEUR RADIO ASSOCIATION held its year end meeting Thursday, December 14, at the North Main Fire Station. 17 were present.

Bob Bratton, N5AIP outgoing president led the round of introductions. Welcome to new member Major Bailey, K5CES.

Since this was election night the nominating committee presented their slate of candidates for each office: candidates for president were Steve Norris, W5KI and Jerry Bryan WB5LTU; candidates for secretary-treasurer were Chuck Smith, WB5MJS and Mike Schenkel K5VXU.

Congratulations to the new officers for the 1979 year. President is Steve Norris and Secretary-Treasurer is Mike Schenkel.

The treasurers report was given. It was decided to reimburse Dwight and Steve for maintenance expenses on the 10 kilowatt generator.

Dwight, WB5KRH led a short discussion on the recent purchase of an HF antenna for the 80 - 10 meters. Volunteers will be needed to help erect the antenna upon its arrival from Hy Gain.

Steve Norris, W5KI reported on the 160 meter contest which was held earlier in December. Steve, Mark Flavin N5MF and Dave Horn KØJPX operated from the east 40 of the Altus Airforce Base. The antenna was supported by an 80 ft. pole. They reported 318 Qso's with a multiplier of 63 making approximately 40,000 pts.

A special thank you goes to the wives and to Sue and Jim Ruggy for their donations and help at the recent Christmas Bazar which was held December 2nd at the United Bunker Hill Grocery Store. They raised \$121.05 for the club. Thanks from all the members.

Plans for the new year as discussed. It was decided that a program committee would be selected to work together to plan some future programs. Those on the committee are Steve W5KI, Mike W5VXU, Jerry WB5LTU and Loren WA5CBF. Anyone having suggestions for programs or projects should contact one of these committee members.

Dues for January include: Jerry Bryan, Oliver Meeks and E.L. Biddy.

NEXT CLUB MEETING WILL BE JANUARY 11, 1979.

Janice Simms, WB5WMN



**Pizza Planet...
a Pieceful Place.**

Presents

**Palatable Pocketbook
Pleasers**

\$100

**off any Large or Giant Pizza
(Limit one to a customer)**

Bring this coupon

Pizza Planet 1140 S.E. 44th

PHONE AHEAD
TO
677-0561

ED BLACKWELL

WD5FKG

Manager

Early Radio in Frederick, Oklahoma.

by Oliver G. Meeks (W5BQZ) WA5OGC

The first radio in this writer's memory was built by Leroy Chapman, who lived across the street south of our family's residence. The radio was built about 1920, from plans in "Popular Mechanics" magazine. It used type 201-A tubes, a high, long antenna and plenty of headphones because the Chapman family was a large one. The six volt filament voltage was supplied by an automobile battery and the "B" voltage was supplied by several large size 45-volt batteries. "He's got music coming out of the air," his mother said as she called us to see and hear this newest sensation of the town. Leroy received praises and adulations in the Frederick Leader and other local newspapers throughout the area.

This first effort sparked a rash of radio interest and soon several other radio receivers were built, bought or assembled. They ranged from one-tube Crosleys to the magnificent five tube FREED-EISEMANN with its polished hard rubber panel and many dials and switches - and price. All required a high, long antenna, the usual lead acid six volt "A" battery, and the usual three or four expensive, bulky, "B" batteries, 45 volts each. The radio stations were: WFAA Dallas; WBAP, Fort Worth: with its cow bell I.D.; KGKO, Wichita Falls; and WKY, Oklahoma City. Amateur radio, as such was several years away from Frederick at this time.

About 1926-1927 the new 110-volt broadcast receivers appeared on the local market, and there was another great rush to trade off the old battery radio's for the newer superheterodyne radios which were much more powerful and which eliminated the maintenance of the messy "A" and "B" batteries. One radio dealer, who is still in business today, had the old battery sets stacked to the ceiling by 1930.

Amateur radio, as this writer first remembers first started in Frederick about 1928 or 1929. John Lewis, W5TS and J.D. Jones, W5OJ were two of the early ones. Others all of them later in the early 1930's include Oliver Meeks W5BQZ; Lloyd Chaffin, W5BMV; Lloyd Gilliland, W5BRE; Ivan Cook, W5BMB; Allen Davidson, W5BIM; Rex Miller, W5BSQ. About 1933 this group assembled and gave Leroy Chapman instruction in code so that he could enjoy amateur radio. Eugene Shipley, W5DRD, was also instructed at this time.

The FREDERICK AMATEUR RADIO CLUB was organized about this time. I do not remember the name of the early officers, but surely J. D. Jones, W5OJ was one. He was quite able at organizing and helping others. He also organized and built the first broadcast radio station in Tillman County, KTAT. It still is the only one in Tillman County.

A typical amateur radio station of the 1930 period consisted of a three-tube regenerative receiver with its 6 volt "A" and 45 volt "B" batteries and a one or two tube self-excited oscillator-transmitter, with its external power supply. At this time nearly everyone used rectified A.C. because it was cheap and effective. Spark Transmission was strictly illegal because of its interference to broadcast radio, but spark stations could be heard at night above 600 meters. Station POZ, Germany, with its rotary cap-modulated spark signal could sometimes be heard at about 1500 meters. Its signal was several hundred kilocycles wide. Tubes for our receivers were 201-A's exclusively. Transmitters used either a single type 210 or 245 in a Hartley or tuned plate-tuned grid oscillator. Lloyd Chaffin, W5BMV, used one of the newer circuits, a master oscillator-power amplifier rig, but he was kind of fancy, anyway, being a telephone man. Quartz crystals cost \$500.00 each, so none were used.

Accurate frequency meters were unknown. An aid to tuning the transmitter in the band consisted of a device called a "monitor". This was merely a one tube regenerative receiver mounted with batteries in a coffee can or other metal enclosure, minus the antenna. To use the "monitor" we tuned the station receiver to the middle of the amateur band, then tuned the monitor until we heard its heterodyne in

the receiver, then plugged the headphones into the monitor, tuned the transmitter until we heard it in the monitor. In this manner we hoped that we got in the amateur band. In fact, we were doing good if we got inside the band at all. The typical monitor used a dry cell for the $1\frac{1}{2}$ volt filament and a "miniture" $22\frac{1}{2}$ volt "B" battery. The tube was the "peanut" type WD-11 or the WX-12. All of this could be crammed into a three-pound coffee can. The only controls were the headphone jack, which turned on the filament voltage, and the tuning dial.

This writer got into amateur radio strictly through ignorance. Another kid and myself decided to build a telegraph system between our homes. The year was 1929. The other kid's name was Lloyd N. Gilliland Jr., now a famous medical doctor in Fort Worth, Texas. We strung up a wire between our homes from window to window, garage to garage and into each back room - 300 feet in all. We were too poor to buy regular telegraph sounders or telegraph keys, so we made our own with doorbell buzzers and scrap sheet brass. The power supply was a toy train transformer. It was a big success. We used the international Morse code or radio code and in a few weeks we were sending and receiving like veterans. We had it made!

What we didn't know was that with that 300 foot antenna and the arc made by the buzzer, every broadcast radio in town was listening to us. They couldn't help but listen to us because we came in louder than any other station. Our signals were particularly loud and disrupted all communications especially in the amateur bands.

My chance acquaintance, J.D. Jones asked me one day if I knew of anyone who was using a "spark transmitter". I said "What's a spark transmitter?" He promptly let it go at that.

About a month later, while Gilliland and I were talking via telegraph, I spotted J. D. Jones, Ivan Cook, and Allen Davidson walking down the sidewalk toward our house, carrying something like a coffee can. J. D. had headphones on and through the open window I heard him say, "Yep, it's gettin louder." They stopped outside my door and he said "Boy its really loud now." Davidson said, "Look, there's a wire leading out of that window." It was then that I heard a knock on the door. J. D. walked in and said, "Oliver, someone is using a spark transmitter and its getting into every radio in town and that's against the law."

"I don't have no spark transmitter." "Well, the signal gets strong right here. What are you using here?" "Nuthin but a telegraph ole Gilliland and I built. The wire runs across our garage. See, we used doorbell buzzers."

"Boys, we found the trouble. The culprit's right here. Doorbell buzzers and a 300 foot antenna! Oliver them doorbell buzzers makes an arc just like a spark coil and you will have to stop using them. Come on over to my place and I'll show you something better."

We rounded up Gilliland and went to Gabe's house. Everybody called J. D. "Gabe." There he showed us the receiver, the transmitter and all those wonderful signals coming from all over the country. To his surprise, Gilliland and I could receive and copy the code better than some of them. So Gabe sent off for the application blanks and soon, oh - several months later - we received our licenses and were on our way with ham radio. Gilliland's call was W5BRE and mine was W5BQZ. Incidentally, if you think the F.C.C. is slow with these license forms, you should have lived then. The Department of Commerce handled all radio licenses at that time and it took my application no less than seven months to get through.

FOR SALE: BRAND NEW MICROWAVE MODULES MMT-432/144 TRANSVERTER. Includes attenuator for direct use with 10 watt transciever. This unit is brand new, never been on the air. New List \$300.00, Also brand NEW F9FT TONNA 432mHz, 21 element, 19dB gain, in original box, never been assembled. New List \$46.00. Sell both together for \$200.00. ROBBY AAØØ - 373-1818

Marshall Williams sends radio signals to the moon. Trying to contact alien beings? Nope, just trying to reach earthling moonbouncers.

Williams is one of three amateur radio operators in Oklahoma involved with "moonbouncers," a radio technique in which strong coded signals are transmitted to the moon and bounced back to earth.

Williams says there has been interest among ham radio

Second Of A Series

operators since 1947 in moonbounce but because of the equipment needs, technical nature and strong element of chance involved with the method, the ranks of moonbounce practitioners are still slender.

He says moonbounce is used to contact areas farther away than 1,400 miles which are usually not accessible to ham operators on some frequencies because of geometric characteristics and atmospheric conditions of the earth.

To reach areas beyond the 1,400-mile limit, Williams said the radio signals need to be bounced off something and the moon is the nearest suitable object.

Because the signals aimed at the moon fan out as they travel through space, Williams said perhaps only 1/100th of them actually hit the moon's surface.

The same thing happens to the signals reflected back to the earth.

Williams said there are about six or seven nights of each month when the moon is in a favorable position for him to broadcast.

He said he has a home computer which provides printouts of data to use for aiming his antenna at the moon but added he is also sometimes "sloppy" and simply looks for the moon and aims at it.

He first began working on moonbounce equipment after meeting Bob Southerland, a California moonbounce enthusiast at an amateur radio conference in 1972.

Williams was living in Arkansas at the time and Southerland had never contacted anyone in that state with moonbounce, so he helped Williams with equipment and advice so the two could communicate via Luna.

Williams' first successful moonbounce communication was Jan. 2, 1973, and he says it was "quite a thrill." A second successful contact was made four days later.

As an indication of how important the moonbounce experiments were to him, Williams said he was supposed to move to Oklahoma City for a new job but delayed this until after his successful broadcasts.

Williams said most of his early broadcasts were prearranged through regular radio broadcasts or by telephone calls, because so few people were trying the method and the weak signals received could easily have been mistaken for static.

With advances in equipment, techniques and a growing number of moonbounce enthusiasts, more of the broadcasts are chance encounters, he said.

Williams said he has frequently contacted Sweden, but his interest lies more in contacting operators within the United States.

Williams went to Hawaii in January 1978 to set up a portable moonbounce station as part of his project to contact every state through ham radio.

He said efforts to contact Hawaii through conventional ham radio from the mainland had failed because Hawaii was more than 1,400 miles away from any other state.

Because nobody in Hawaii was using moonbounce, Williams went there with the portable station to contact moonbounce enthusiasts in one of the lower 48 states.

Working almost nonstop for two weeks paid off and Williams made two contacts.

He is still short three states in his goal to contact every state.

His main problem will be in contacting Rhode Island, where nobody practices moonbounce, he said.

Although cloud cover poses no problems for moonbounce, several other factors do, Williams said.

Williams said Faraday Rotation, when the earth in its rotation passes through radiation belts in space, can sometimes "spin" the radio signal, preventing its being picked up back on earth.

Williams said the phenomenon of "scintillation fading" sometimes occurs where part of the broadcasts, which are done in Morse Code, are "gobbled up" and lost forever.

Closer to home, Williams said he has to contend with "garbage" prevalent in every urban area such as neon signs and power lines that make the broadcasts difficult.

Amateurs Try TV

They don't riddle their broadcasts with commercials, have yet to show a rerun of "I Love Lucy" and so far haven't had any

Last Of A Series

complaints about excessive violence on the air.

But the Oklahoma City area has a growing number of amateur TV stations operated by private citizens in their spare time out of their homes.

H.E. Hutchins, who lives in Del City, is one of the pioneer amateur TV broadcasters here. He said interest is growing in ham TV and local buffs organized together last December.

Presently there is a network of about 10 members with broadcasting capability and about 10 more who have converted TV sets to receive the broadcasts.

Equipment needs for the one-man amateur studios is surprisingly small, consisting of a converted transmitter, an antenna, a video camera and a converted TV set to receive the broadcasts, Hutchins said.

Most of the equipment is bought through ads in ham radio magazines, he said. Although some used equipment is around, most of the equipment is new, he said.

All of the local amateur TV broadcasts are in black and white, although the equipment could transmit color if color cameras were used, he said.

Unconcerned with Nielsen ratings, the fledgling stations now cover an area of roughly from Midwest City to Edmond, Hutchins said.

He said the exact distance broadcasts have carried is unknown, but he has confirmation from Edmond of a "snow free" picture of his broadcasts from Del City.

Hutchins said the distance broadcasts will carry will be stretched when a repeater, which picks up the TV signals and retransmits them with a stronger power is completed.

The community repeater is now being built by club members.

That stations operate at a frequency which is between the UHF and VHF bands, which is why unconverted televisions can't pick up the broadcasts, Hutchins said.

Hutchins, who spends about 3½ hours per night with amateur TV, said high stakes game shows and variety hours have yet to invade the amateur airwaves.

"We don't have home movies, we usually talk about equipment and whatever projects we have going," he said.

The current "hot" topic for the combination technicians/anchors is the repeater, Hutchins said.

Broadcasters and viewers don't have a TV Guide to rely on, Hutchins said, and instead simply tune in to pick up whoever is broadcasting that night.

If no broadcasts are picked up, an identification card can be broadcast, advising other viewers that the card holder would like to transmit.

Hutchins said frequent "Round Robins" are held, in which several TV buffs alternately receive and transmit broadcasts.

By Steve Walden
Staff Writer

The
Oklahoma
Journal

Moonbounce



MEETING HIGHLIGHTS

The November meeting was a successful swap meet. I don't know how many people walked away with goodies, but everyone seemed to have a real FB time. Hobe ran another one of his "CASH" drawings to help with the new building, and was able to raise a few dollars for the cause. Also, Deeds Bigelow, WB5ADN, took half of the pot home with him. Proving you do not HAVE to be a member of the Auto Patch to enjoy the swap meets and get together on a profitable basis.

FROM THE PRESIDENT

Even though this is the January issue you should be reading this before Christmas so on behalf of the entire Auto Patch organization I would like to extend a very merry Christmas and a most prosperous New Year.

The last year has brought a lot of progress in the club, and in doing so has also brought with it it's share of problems. Namely, money. The building is a major expenditure, but will well be worth it to have the equipment on the ground, and guarantee continuous operation during severe weather. As far as the status of the building, at the time of this writing, it is up and ready for the door, windows, floor and block sealer, and then painting. Doesn't seem like it should be too long now.

PEOPLE TO CONTACT

FOR INPUT TO THE C&E-----KAREN (WD5HBX) 751-5378
TO PAY DUES OR TO JOIN THE AUTO PATCH ASSN.-----HOBE (WB5MLN) 751-1646
FOR DONATIONS FOR THE BUILDING-----FRANK (N5FM) 751-3577

FROM HRH

RUSSIA'S "RS" SATELLITES ARE UP and operating after a successful launch Thursday, October 26. According to a TASS news release, three satellites, two Amateur (dubbed "Radio-1" and "Radio-2") and one in COSMOS scientific series (COSMOS-1045), were put into orbit at the same time.

AUTOPATCHES WEREN'T BANNED by the FCC in it's action on interconnects last October despite a rumor to that effect circulating on both coasts. What the commission did was to reaffirm the requirement that a control operator be on duty any time a repeater is used for autopatch, incoming or outgoing. "Automatic control" of a repeater is not permitted during autopatch operation.

A REPEATER DURING autopatch is not a repeater, the Commission also decided, as it is not then operating as a repeater but as a conventional Amateur station making a phone patch. As a result, the rules governing regular Amateur station operation, not the repeater rules, apply during autopatches.

GENERAL THOUGHTS

As everyone knows the Auto Patch is a closed organization running a 450, two 2 meter, and a 6 meter repeater. None of the machines are closed as far as needing an encoder to turn them on, however; this does not necessarily mean they are open machines. We leave only the autopatches themselves closed. What all this really means is that if you are a local, and not just passing thru town, we expect the users to pay their dues. So, if you are going to use OKCAPA machines be sure you are a dues paying member. Otherwise do not be surprized if a dues paid member asks you to send your check to the secretary. After all, if the machines are constantly being used by those too cheap to pay dues it makes "SAPS" of the rest of us.

So there will not be any more confusion as to who is and who is not a member we are publishing a current roster by call, name, address, phone #, and membership expiration date. We will be running updates every month so all of us can keep our own copy current. There will be no other roster published so better keep this one if you want to keep up with the membership.

FOR SALE

4 ft. 19" equipment rack. Has door, circuit breaker panle, receps, shelve, drawer, and one panle.-----Contact Martin WD5FEI (ADA) 436-1112

Motorola Motrac U73MHT 110 watt w/GLB 400 synthesizer, all accs, plus Larson ant and mount\$400. Also Yaesu FT221 w/all manuals. Contact Martin WD5FEI (ADA) 436-1112

| | | | | | | |
|--------|-------------------|-----------------------------------|----------|-------|---------|-------|
| KB5AC | RAY DAWSON | 7308 LANCET LN. | OKC,OK. | 73120 | 8431767 | 06/79 |
| WD5ADQ | WILBERT TIDWELL | 813 RANCH OAK DR. | YUKON | 73099 | 3543320 | 09/79 |
| KA5AFN | BOB JANDA | 1909 EDGEWOOD | EDMOND | 73034 | 3412046 | 12/79 |
| WA5AOB | WAYNE HOGAN | 113 E. MORNINGSIDE DR. | MWC,OK. | 73110 | 7321870 | 09/79 |
| K5AOT | ROBERT CARLILE | 7213 GALA Box 21 | BETHANY | 73008 | | 04/79 |
| KA5ASJ | HAVEN MANKIN | 425 NW 38 th | OKC,OK. | 73110 | 5240004 | 07/79 |
| N5AUE | TERRY SHOEMAKE | 700 HARRISON | PIEDMONT | 73038 | 3732474 | 11/79 |
| K5BJJ | CLARENCE ENG | 7900 NW 14 th St. | OKC,OK. | 73127 | 7870060 | 08/79 |
| WD5BKT | CHUCK HOLBROOK | 3101 DOGWOOD DR. | EDMOND | 73034 | 3414824 | 12/78 |
| K5CAZ | PAUL DENWALT | 3144 LONGRIDGE | DEL CITY | 73115 | 6771092 | 02/79 |
| W7CNK | LES WHITAKER | 1025 SW 97 th | OKC,OK. | 73139 | | 08/79 |
| WD5CSG | ROBERT FIELDS Jr | 1638 CRUCE St. | NORMAN | 73069 | 3297391 | 09/79 |
| WB5CTS | STEVE HUTCHERSON | 12510 TRAIL OAK DR. | OKC,OK | 73120 | 7511767 | 07/79 |
| WB5CWB | LARRY DILLARD | 2624 SW 69 th St. | OKC,OK. | 73159 | 6854065 | 10/79 |
| WA5CZN | ROBERT GOODHEAD | 4430 NW 53rd | OKC,OK. | 73112 | 9477874 | 07/79 |
| WD5DFS | BILL SIMS | P.O. Box 1011 | OKC,OK. | 73101 | | 07/79 |
| KB5DI | LU FISHER | 8316 NW 114 th | OKC,OK | 73132 | 7218137 | 02/79 |
| WA5EAI | RON CRON | 2428 SW 46 th | OKC,OK | 73119 | 6810896 | 02/79 |
| W5EMB | JOHN WHITEN | 7926 NW 21 Apt. A6 | BETHANY | 73008 | 7894776 | 04/79 |
| WB5EOL | JIM DENMAN | Rt. 11 Box 201 | MOORE | 73160 | 6912930 | 07/79 |
| WA5ETV | GARY McCORMICK | 5012 NW 25 | OKC,OK. | 73122 | 9462898 | 06/79 |
| WB5EVO | PAUL ADAMS | 8402 NE EXPRESSWAY | OKC,OK. | 73111 | 4780232 | 11/79 |
| WD5FAM | WILLIAM A LINGLE | 3022 NW EXPRESSWAY | OKC,OK. | 73112 | 9428509 | 10/79 |
| WD5FEI | MARTIN VINSON | | ADA | | 4361112 | 01/79 |
| WD5FHR | DEE MIZE | 622 SW 7 th | EDMOND | 73034 | 3416163 | 07/79 |
| WD5FKG | ED BLACKWELL | 9304 S McKINLEY | OKC,OK. | 73109 | 6913494 | 02/79 |
| N5FM | FRANK McCOLLUM | 2421 NW 118 th | OKC,OK | 73120 | 7513577 | 05/79 |
| WB5FPO | BILL ROGERS | 2329 NW 35 th | OKC,OK. | 73112 | 9461060 | 07/79 |
| WD5FRQ | RON RECER | 10912 N McKINLEY | OKC,OK. | 73114 | 7515378 | 02/79 |
| K5FW | BOB JAMES | 2400 S MacARTHUR | OKC,OK. | 73128 | 6819371 | 11/79 |
| WD5FXP | JOHN YOUNG | 11613 OAKDALE | YUKON | 73099 | 3548630 | 02/79 |
| K5GBF | HAROLD PLUNK | 2801 CAMELOT | OKC,OK. | 73120 | 7514677 | 02/79 |
| WB5GCX | OSCAR STAUDT Jr. | 1414 N OAK DR. | GUTHRIE | 73044 | 2826508 | 02/79 |
| W5GDL | CHET HAZELWOOD | 4900 COLTRANE RD. | OKC,OK. | 73111 | 4271439 | 04/79 |
| K2GKK | DON MacDONALD | 5120 SE 49 th | OKC,OK. | 73135 | 6724947 | 11/79 |
| K5GL | GUY LIEBMANN | 3128 LAKEVIEW MANOR DR. | BETHANY | 73008 | 7879547 | 11/79 |
| WD5GWH | DON LATHAM | 442 E MOHR LN | MUSTANG | 73064 | 3763835 | 07/79 |
| WD5HBX | KAREN RECER | 10912 N McKINLEY | OKC,OK. | 73114 | 7515378 | 02/79 |
| WA5HDG | MAURICE WOODS | 6420 N HILLCREST | OKC,OK | 73116 | 8421436 | 02/79 |
| W5HRV | PHILLIP SHERA | P.O. Box 7011 | MOORE | 73160 | 7992051 | 02/79 |
| WD5HUC | FRANKLIN IRICK | 2801 ELMHURST | OKC,OK. | 73120 | 8480313 | 01/79 |
| WD5HXX | KEN STEPP | 1109 APOLLO CIRCLE | EDMOND | 73034 | 3415469 | 06/79 |
| W5HXR | Dr. BILL HUBBARD | 400 NE 50 th | OKC,OK. | 73105 | 5211721 | 05/79 |
| WB5HZO | JOHN WORTHAN | 10300 KENDALE AVE | YUKON | 73099 | 3546097 | 03/79 |
| WD5IDA | FREDDIE DEMERSON | 801 MUSGRAVE BLVD | OKC,OK. | 73114 | 4780566 | 02/79 |
| N5IH | HENRY ISRAEL | 10301 BASSWOOD CANYON RD. | OKC,OK | 73132 | 7223848 | 07/79 |
| WB5ISN | DENNIS ORCUTT | 3201 S RANKIN | EDMOND | 73034 | 3414200 | 08/80 |
| WD5ISS | DONALD SAUNDERS | 3008 CENTER St. | OKC,OK. | 73120 | 7510404 | 02/79 |
| WD5IWZ | LYNN SHEARER | 10408 GREYSTONE | OKC,OK. | 73120 | 7514500 | 04/79 |
| WD5JAY | FRANKLIN MORRISON | 1201 NW 107 th | OKC,OK. | 73114 | 7517739 | 03/79 |
| K5JB | JOE BUSWELL | Box 10674 | MWC,OK. | 73110 | 7320676 | 08/79 |
| WB5JBK | GARY SHIDELL | 328 E MOHR LANE | MUSTANG | 73064 | 3762832 | 05/79 |
| WB5JDZ | BERNARD McCARTY | 8719 NE 47 th | SPENCER | 73084 | 7713625 | 05/79 |
| WA5JHB | MARVIN STOKES | Rt 1 Box 3 | CALUMET | 73014 | 8932221 | 02/79 |
| K5JL | JAY LIEBMANN | 9816 HORSESHOE DR. | OKC,OK. | 73132 | 7213309 | 11/79 |
| W5JZO | FRED SEALS | 1005 WALNUT RD. | NORMAN | 73069 | 3211522 | 02/79 |
| WB5KAK | DOUG BROWN | 5813 NW 31st | OKC,OK. | 73122 | 9472835 | 01/79 |
| WA5KDZ | MEL PERKINS | 2902 CELLAR DOOR LN | ENID | 73701 | | 06/79 |
| W5KOZ | SIDNEY GERBER | 829 E BOUSE DR. | MWC,OK. | 73110 | 7371050 | 05/79 |
| WA5LBI | ROBERT DICUS | Rt 4 Box 1126X | EDMOND | 73034 | 2824288 | 01/79 |
| WA5LEN | JIM KEARNS | 11312 WILLOW GROVE | EDMOND | 73120 | 7516035 | 05/79 |
| WA5LZD | ROSALIE STOKES | Rt 1 Box 3 | CALUMET | 73014 | 8932221 | 02/79 |
| K5MB | MARSHALL WILLIAMS | 7724 NW 12 th | OKC,OK. | 73127 | 7879292 | 03/79 |
| WB5MLN | HOBE BURGAN | 2504 NW 119 th | OKC,OK. | 73120 | 7511646 | 04/79 |
| WB5MLX | GLENN COCHRAN | 1925 STERLING DR. | OKC,OK. | 73127 | 9427148 | 09/79 |
| WB5MPS | TOM JENSON | 5505 12 th AVE NW Rt 5 | NORMAN | 73069 | 3649193 | 12/78 |
| WB5NCU | TOM RHODES | 5012 NW 62nd | OKC,OK. | 73112 | 7213557 | 02/79 |
| K5NK | CHUCK WILHITE | 7144 COMANCHE AVE | OKC,OK. | 73132 | 7214926 | 12/79 |

| | | | | | | |
|--------|------------------|------------------------------|----------|-------|---------|-------|
| WB5NYA | JOHN PENDLETON | 205 WEST JARMAN | MWC,OK. | 73110 | 7376963 | 10/79 |
| W5NZS | LARRY HAZELWOOD | 700 NW 48 th | OKC,OK. | 73118 | 8486400 | 11/79 |
| AAØO | ROBBIE RUNYON | 6013 TIPI RD 2 | YUKON | 73099 | 3731818 | 07/79 |
| WB7OAA | DAVE ROPER | 7312 HUMMINGBIRD CIRCLE | OKC,OK. | 73132 | 7222151 | 05/79 |
| WB5OBV | BOB VOTAW | BOX 21 | BETHANY | 73008 | 7218983 | 04/79 |
| W5OEC | ED DUCLOS | 8209 GOLDEN OAK | BETHANY | 73008 | 4952797 | 03/79 |
| W5OU | GORDON JONES | P.O. Box 73 | NORMAN | 73070 | 3296075 | 01/79 |
| WB5OUF | STEPHEN ROBINSON | 777 SE 15 th #425 | EDMOND | 73034 | 3418322 | 02/79 |
| W5OXJ | EVERETT COX | 9624 CASTLE RD. | OKC,OK | 73132 | 7214617 | 02/79 |
| WA5PHJ | JAMES DAWSON | 1005 PINE OAK DR | EDMOND | 73034 | 3416287 | 06/79 |
| W5PTJ | W.T. CRONENWETT | 2566 CYPRESS | NORMAN | 73069 | 3290095 | 12/78 |
| K5PL | DAVID MEDDERS | 4224 WENDELL DR | EDMOND | 73034 | 3419357 | 04/79 |
| WB5PNH | TONY HOLZMAN | Rt 2 Box 326 | CHOCTAW | 73020 | 6723398 | 06/79 |
| WB5PTQ | MERRILL SCOTT | 6204 NW 22 | BETHANY | 73008 | 4952829 | 10/79 |
| WB5PYH | JAMES BROOKS | 2416 WENTWORTH CT | OKC,OK. | 73170 | 6855478 | 05/79 |
| WB5QMB | CURTIS McGATH | 1703 PAMELA CIRCLE | NORMAN | 73071 | | 12/78 |
| WB5QMP | RANDY FOLTZ | 3312 JIM ROBISON | EDMOND | 73034 | 3481972 | 05/79 |
| WB5QPI | H.B. ZACHRY | 3505 ROLLING LANE | OKC,OK. | 73110 | 7322888 | 02/79 |
| WB5QXU | JAMES CURRY | 6114 NW 32nd #127 | BETHANY | 73008 | 7894156 | 01/80 |
| WA5RAQ | WILLIAM ROGERS | 1121 SW 53rd | OKC,OK. | 73109 | 6324375 | 03/79 |
| N5RC | ROBERT MAY | 1208 NW 122 | OKC,OK. | 73114 | 7512048 | 03/79 |
| WA5REC | MARK ADAMS | 901 BRETT | EDMOND | 73034 | 3487847 | 02/79 |
| W5REY | RAY JANKA | 2708 WINDSOR BLVD | OKC,OK. | 73127 | 9424146 | 05/79 |
| K5RJR | LARRY VORHEIS | 3009 McMILLIAN | BETHANY | 73008 | 7899629 | 04/79 |
| WB5RKA | GLENN SHARPE | 3000 GLEN OAKS | MWC,OK. | 73110 | 7375673 | 02/79 |
| WB5SIK | JIM KERR | 4109 NW 31 | OKC,OK. | 73112 | 9477098 | 01/79 |
| N5SW | CHUCK GUSCHKE | 5320 NW 114 th | OKC,OK. | 73132 | 7221679 | 11/79 |
| K5SXJ | DAVID FERGUSON | 115 E PERRY LANE | MUSTANG | 73064 | 3764269 | 11/79 |
| WB5THS | JOHN PRATHER | 6721 NW 30 th | BETHANY | 73008 | 7890565 | 01/79 |
| W5TMM | DON MORRIS | 2805 NW 22nd | OKC,OK. | 73107 | | 07/79 |
| W5TQB | PETE HOWARD | 1521 LESLIE LANE | NORMAN | 73069 | 3217634 | 06/79 |
| WA5TSJ | TOMMY TODD | 1300 SW 62nd | OKC,OK. | 73159 | 6853685 | 03/79 |
| WA5TSL | MONTIE FISHER | P.O. BOX 19607 | OKC,OK. | 73119 | | 02/79 |
| WB5UIY | STAN VAN NORT | 2608 N REEVES | OKC,OK. | 73127 | | 06/79 |
| K5URJ | PERRY McWORTER | 3418 NW 29 th | OKC,OK. | 73107 | 9461532 | 06/79 |
| W5USW | K.L. McCULLOUGH | 1529 HOLLYWOOD | NORMAN | 73069 | 3293907 | 08/79 |
| W5UVI | HOWARD THOMPSON | 2505 STILL MEADOW | EDMOND | 73034 | 3481475 | 06/79 |
| WA5VAQ | HAROLD TODD | 130 SW 62nd | OKC,OK. | 73159 | 6853685 | 03/79 |
| W5VCL | NEAL MYERS | 707 S 3rd | YUKON | 73099 | 3543233 | 12/78 |
| WB5WXC | BILL SHERER | 4105 NW 62nd | OKC,OK. | 73112 | 9421617 | 02/79 |
| K5YGM | JOHN SPIVEY | 1210 NW 39 th | OKC,OK. | 73118 | 5281467 | 02/79 |
| WB5YLZ | CHUCK SULLIVAN | 4817 NW 62nd | OKC,OK. | 73122 | 7211078 | 12/79 |
| K5YXF | TOMMY BOND | Rt 13 Box 136B | OKC,OK. | 73132 | 7215706 | 04/79 |
| WA5ZAN | WALLACE McRAY | Box 151 | SEMINOLE | 74868 | 3823474 | 06/79 |
| K5ZCC | BENNIE BAKER | 4600 PARKER RD. | OKC,OK. | 73127 | | 11/79 |
| WB5ZGP | HEINE SCHILLING | 1436 SW 64 th | OKC,OK. | 73159 | 6852571 | 10/79 |
| K5ZHD | JAN COX | 9624 CASTLE RD. | OKC,OK. | 73132 | 7214617 | 02/79 |
| WB5ZLU | BOBBY STUBBS | 713 SW 24 | OKC,OK. | 73109 | 632184 | 01/79 |
| WB5ZND | JAMES WHITED | 3224 N PEEBLY | MWC,OK. | 73110 | | 03/79 |
| WA5ZNQ | JOE HUSTAK | 6821 NW 27 th St. | BETHANY | 73008 | 7898587 | 10/79 |
| WB5ZOF | STAN SCHOENBERG | 6049 N SHAWNEE | OKC,OK. | 73112 | 9478930 | 07/79 |
| WB5ZOG | JERRY ASHLEY | Rt 2 Box 83 | McCLOUD | 74851 | 9643825 | 07/79 |
| WB5ZOI | LLOYD WRIGHT | 3120 NW 63 | OKC,OK. | 73116 | 8436811 | 02/79 |
| W5ZVB | PAUL FREELAND | 1604 MARKWELL AVE | OKC,OK. | 73127 | 7897534 | 02/79 |
| WA5ZXB | DONALD DAVIS | 3709 SPRINGLAKE DR. | OKC,OK. | 73111 | 4278386 | 09/79 |
| | | ASSOCIATE MEMBER | | | | |
| | JIM IMMEL | 5704 N MacARTHUR | OKC,OK. | 73122 | 7891138 | 06/79 |



THE BICENTENNIAL AMATEUR RADIO CLUB



The '76ers annual Christmas party was held on December 12, 1978 at Furrs Cafeteria. The party was hosted by our Vice President, Joe Ramage, WB5TDW. Coy, N5OK, gave a brief but meaningful talk concerning -- The Real Meaning of Christmas -- and gave example that God controls even the forces which compose all atomic particles. After a brief business meeting, Bill(s), N5WM and WB5QMY delivered the Christmas prizes and Joe conducted a short prize drawing. Prizes consisted of: a Heath HF wattmeter, 2 meter beam, 2 meter mobile antenna, several '79 Call-books, amateur map sets and the like. Meeting adjourned at 10 pm.

From Your New Club Editor

I wish to thank the '76ers and the managing editor of CORA Collector & Emitter for finally relenting - I mean - consenting to let me put down a few comments from time to time! (That means EVERY month, Ed) I'll try to drop in a few short articles and an occasional wisecrack or two. However, don't count on this writer for any of those Aggie jokes. The OSU Alumni Assn might ask me to turn in my membership card.

I thought about writing a column for C&E entitled "Our Bootlegger of the Month", but I found so many nominees that the task of selecting just one seemed impossible. Therefore, without a runoff, I guess we should congratulate 'Jack' & 'Bud', using W5AZT & WA5JNT respectively in a two-way tie for the not-so-coveted title of BOOTLEGGER OF THE MONTH for January 1979. 'Jack' hasn't been operating lately, but you will hear 'Bud' all over the ten & twenty meter phone bands. I wonder why bootleggers are seldom heard operating CW - hmmmmmm - I'm sure there must be a reason.

Oh, yes -- one more reference to unusual operation comes from Joe, WD5DMP, who told of a guy he overheard on 75 meter SSB. He gave some very strange island name for his QTH, identified with call RG8U, and said his name was Belden.!! Oh well, I guess that beats listening to the group of Devil Worshipers when they fire up. (Forgive the pun.)

Don, AE5N, reports that the '76ers are seekin a location for their planned northside satellite receiver on the 146.16/76 repeater. If any one can suggest a suitable tall building in northwest OKC, please call him or Charlie, WA4PLG. Also, PLEASE USE the '76 machine. It is idle most of the time -- let's populate it!!

On December 19th, the '76ers had their last class meeting for the fall semester of amateur radio classes. The new semester begins on Thursday, the 18th of January at 7 pm. For information contact Coy, N5OK, at 691-1194 or me N5WM, at 842-0092.

The '76ers welcome new members always. Our annual dues are two dollars per year, and that includes a subscription to CORA Collector & Emitter, and we meet on the second Tuesday of each month at 7 pm at Will Rogers Air National Guard Base, off South Meridian Ave in OKC.

Bill Riddles, N5WM

* * * * *

CONTESTERS AND CERTIFICATE COLLECTORS PLEASE NOTE.

CORA is considering sponsorship of a contest and/or a certificate to promote Amateur Radio in Oklahoma.

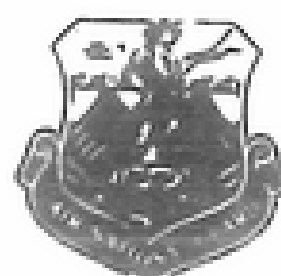
A meeting will be held on Thursday, January 11, 1979, 7:30 pm upstairs in the American Red Cross Building at 10th & Hudson to gather ideas. All interested amateurs are invited to attend.

Don, WD5FRD

FOR SALE: 15 amp variac; Isolation Xformer; DX-60; VFO; Halicrafter Rcvr; 12-volt reg. pwr supply; KW Matchbox; Collins R390 A; Transistor Checker; Roller Inductors; Other equipment. Jess W5SQJ Norman, 321-7302.



THE BICENTENNIAL AMATEUR RADIO CLUB



Minutes for November 1978

The meeting was called to order by Mark Northcutt, WD5DYI, at 7:00 p.m. Self introductions followed with 55 members and guests present. Committee reports were given by Dick, WD5TMM, showed samples and club agreed to have all the same color. Coy, N5OK, reported school going well, but Bill, N5WM, said he needs help. Christmas committee reported the place and time of our Christmas party will be Dec. 12, 1978 at Furrs Cafeteria on North May Avenue.

New Business:

Motion was brought to the floor that "in a spirit of cooperation with the other clubs in the area the 76ers meetings will be moved to the second Tuesday of the month." Motion passed. Chuck, N5SV, announced that his new store at 50th & MacArthur, will open soon. Ken, K5UAB, expressed a need for a Gin Pole for the club and Bill, N5WM, promptly donated his. . .

Discussion on auto patch followed and Charlie, W4PLG, said that our patch will be on 24 hours a day until we get more from the FCC. Motion made by Coy that the school committee be in charge of school schedule and publish same, motion carried. The program was a demonstration of amateur uses for Micro Computers equipment, and program was furnished by Don, AE5N, Lloyd, WB5HUP, Tom, N5GE, Ron Hilbun, Bob, W5SVG, Joe WD5BMP.

Minutes for December Meeting

52 members and guests attended the Christmas party at Furrs Cafeteria. Motion by Coy, N5OK, to spend \$150.00 for prizes, seconded and passed. Dick, WD5TMM, brought some of our tee shirts, to get yours talk to Dick. Coy gave a Christmas talk and then prizes were drawn. New classes start Thursday, January 18 at 7:00 p.m.

Secretary
Joe Couch
WD5BMP

Cecil E. Pegors, Manager 787-0560

AROUND THE CORNER RESTAURANT
5841 NW 50

Where most amateurs and CB'ers have coffee & eat well prepared food. Meeting place of the Warr Acres Radio Men Morning Coffee Club. Come and join us at 9:30 each morning.



JOYCE DARTER
REALTOR-ASSOCIATE

4920 N. Meridian
Okla. City, Okla. 73112

Bus. (405) 947-1552
Res. (405) 751-6714

EXTRA CLASS
AMATEUR RADIO
WSKE

FIRST CLASS
RADIOTELEPHONE
LICENSE

ELLARD'S EX EL

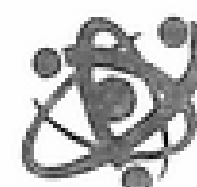
ELLARD W. FOSTER, OWNER
5905 N.W. 42nd Street, Phone: 405/789-6702
OKLAHOMA CITY, OKLA. 73122

TELETYPEWRITER
ASSEMBLIES

USED TEST
EQUIPMENT

EXCESS
ELECTRONICS

(405) 947-5646



Microlithics, Inc.
MICROCOMPUTER SPECIALISTS

CHARLES R. GIBSON
President

2918 NORTH MacARTHUR BLVD.
OKLAHOMA CITY, OK 73127

WAY DOWN YONDER IN NEW ORLEANS

I had a brief opportunity to give myself a prechristmas present with a short trip to New Orleans a weekend or so ago. Having never been to the birthplace of jazz, I wanted to find out what it was all about. The trip would be an overnight affair with just Saturday evening planned for Bourbon Street. I had never quite understood what everybody had said about the French Quarter, anyway. Personal experience is the only way to discover such of life's little wonders.

I got up at the crack of midmorning on Saturday and wandered around the house preparing a few last minute details before the trip. Most important was to make sure there was an adequate radio contingent. I decided to travel light and just take the handhelds. Sometime, you have some trouble getting everything into the plane and some small private planes have 24 volt systems which are definitely incompatible with the life style of an IC-30A and IC-230. We planned to leave out at about 11,500 feet or so, so I envisioned being able to hear just about everything.

Out to the airport and loaded up the plane with all the goodies and luggage. (Not really that much for just an overnite trip). I armed myself with a trip iteniary and a few last minute tips from veteran New Orleaner, WD5FVI. He spoke quite lovingly of Pat O'Briens, Presevation Hall, The 500 Hundred Club, and a nice quiet hotel down in the quarter whose name escaped me (I wound up staying at the Holiday Inn, nice, but definitely an inappropriate life style for New Orleans). The radios stayed increasingly busy and a couple of kerchunks on a few appropriate frequencies brought back any number of squelch tails and other assorted heterodynes. Larry, WB5POW, tended to the minor matters like flying the plane and I handled the important task of working with the UHF and VHF Handie Talkies and maintaining adequate contact with the ground. 1 watt or so at 11,500 feet sure gets out.

Arriving at Lakefront Airport, we flagged down the nearest courtesy car from the Holiday Inn and checked out the accommodations. Sniff, nice, but somehow I get the feeling I stayed in the same room in Dayton and other cities. Oh well, lets check out the action. A quick call to a few car rental agencies and a very rapid determination that none of them particularly wanted to rent a car to us on a Saturday evening followed. OK, well fix them and just take a cab. I was put in charge of ground transportation and rose to the difficult task with much skill (I flagged a cabbie in the Holiday Inn lounge while he was walking out of the bathroom. He recommended a seafood restaurant called T. Pitarri's and we all loaded up into the chariot. The task of getting into the restaurant looked bleak when the waiter told us they had no reservations, but we were early to sneak in ahead of the crowd. The waiter said his name was Pierre although he looked like he was from Jersey. I asked to see his driver's license and he just smiled. The food was quite good, especially the seafood. Larry and I checked out the "Lobster Kadobster" and it was excellent. I suppose that our order spelled a death sentence for two of the live lobsters we saw in a tank on our way into the restaurant, but it was for a very good cause. Pierre promised us souvenir menus when he found out we were from Oklahoma and claimed he had friends in the area of Oklahoma City. The desserts included Bread Pudding and Millionaire's Pie, both quite excellent.

Out of the restaurant and down to Pat O'Briens on Peters street in the Quarter. My goodness! Here we are in the dead of December and this place and the entire French Quarter is teaming with people. The wait to get into Pat O'Brien's looked like an hour or so and this would have been too long to stand in the cool nite air. I suggested a quick trip next door to Preservation Hall to see the jazz band.

Now, this was great. Nothing like a good old fashion jazz band. We listen to the band run through a few standards and I made a mental note not to ask for any requests. Traditional requests were \$1.00, but if you ask for "Saints", be prepared to shell out \$5.00. Actually, it would have been worth it. The clarinet player was pretty old and whenever he had to stand to take a solo, he would have to quit playing and push off of the chair. But it was sure sweet! The trombone player looked like he was new. But he had great chops. We listened to one set and then pressed on down the street.

We walked past Crazy Shirley's at the corner of Peters and Bourbon. It was here that we dug out the camera (your basic cheap Polaroid One Step) and I posed a few members of the group under the street sign. (We had taken a couple of pictures earlier of various stages of the trips, contact me for private showings) Down the infamous Bourbon Street to the Five Hundred Club. Another band and a pretty good show with various types of exotic dancers and comedic acts. It wasn't Bambi, so I wouldn't take the family. Niftiest act of the show was Joe Trolley and his marionettes. These little puppets did lip sync (wood sync?) numbers to various songs. He had dead lookalikes for Tony Orlando and Dawn, Elvis Presley, and Tiny Tim. At the conclusion of the show, Joe passed out 8 x 10 glossies of himself and the puppets. Our ringside seat put us directly in line to get one. It reminds me of the Muppets, with strings.

Out of the Five Hundred Club and on down the street to shop in a few small shops and stores. One thing I noticed is that New Orleans, just like any other famous spot has the same old strip shows and weird bars you find just about anywhere. Crowd control has been a problem also, but I saw plenty of the City's finest around directing traffic and controlling the crowd. Complete nude dancing is prohibited and I think that this maintains a Burlesque atmosphere to the area instead of a more sultry image. The exploiters are there in force and willing to clip the innocent tourist, but fortunately, there are enough of the old places to help the area maintain its original charm. We went into one TV Bar and believe me this is not a place where the main attraction is the old one eyed monster. A certain amount of curiosity on the part of one of the ladies in our group brought about the visit and I'll admit it was quite interesting, but we didn't stay long.

Some more shopping in the stores and then a quick walk back to Pat O'Brien's. Still crowded. By this time, I was in the mood for a good jazz band. At the corner of Peters and Bourbon across from Crazy Shirley was Maison Bourbon where Lou Sino and the Bengals were holding forth. We bought a couple of Hurricanes from Pat O'Briens and then wandered back to Maison. By the way the city prohibits the carrying of glass containers on the street unless they are inside a box or other container. This is an excellent idea since it keeps the street free of glass from drunken revelers. At Pat O'Brien's they have a couple of doormen who grab your drink and give you a nifty paper cup and put the souvenir Hurricane glass in a small box (suitable for framing). Back at Maison Bourbon, I found that there was no cover charge, but there was a one drink minimum to get in and coffee cost \$4.75 a cup. But it was worth it. We originally found seats by the door, but given the temperature outside, that didn't last long. I wandered a little closer in and found an abandoned table right by the stage. We loaded up all the glassware and paper cups and sat through two sets of terrific showman jazz. Speaking of loading up, I found out that no one else was drinking Hurricanes and found myself consuming the two that were left. Not bad, but I really enjoyed the music. The last set of the evening ended at 2 O'clock and we poured out on the street. I took time to walk up and tell the band how much we enjoyed the music and the good time and the piano player gave me his card and ask me what I did. He told me that his wife was an attorney that he played in the Quarter with Lou. Afterwards, my last official act as a tourist on Bourbon Street was to go back to Pat O'Briens and bribe the doorman into

giving me about 15 or so of the paper cups for use at my next party. A quick cab back to the motel and sleep really felt good.

Up the next morning and not too much suffering from the "Wrath of Grapes" of the previous evening, we loaded up the courtesy wagon and went back to the airport. Lakefront Airport juts out into Lake Ponchartrain and after the plane lifts off, you immediately see the lake with the horizon disappearing. In fact, a sign warns pilots to take care to watch the instruments when lifting off to avoid any difficulty with the loss of horizon. The weather was perfect on the flight back and a couple of peeps out of the handhelds reminded us that there were a few VHF and UHF systems around.

New Orleans is a great place to visit and I must confess that this was my first trip. I don't think that I will object anymore if OU should ever get an offer to the Sugar Bowl. It could be a fun trip and the French Quarter would be terrific for pre and post game festivities. I checked on availability of tickets for the Alabama-Penn State game and found the chance of turning up a couple of tickets just about zero. Oh well, it is just as well, a brief discussion with a few of the locals pointed out the fact that prices just about double during the Sugar Bowl. We'll have to pick out some time when the population is down and the weather is nice. A little more planning is in order for the next trip to see if it wouldn't be possible to find a hotel down in the French Quarter to stay at. I would like to also make a more careful evaluation of the bands and shows that are available to see what is available. A little bit of judicious selection and one could enjoy a couple of evenings at a very reasonable price. This is a great place to visit.

Micheal Salem N5MS

AMATEURS SHOULD BE OBSCENE AND NOT HEARD DEPARTMENT

The Supreme Court stuck its head into a difficult issue the other day with their decision in the FCC v. Pacifica Foundation 46 LW 5018 (1978) "Obscenity" case. I am not sure the issue is any clearer, but the decision did uphold the right of the Commission to limit broadcast language involving an "indecent" transmission. Although Mr. Justice John Paul Stevens wrote that the Court was only considering the specific broadcast by WBAI of a routine by comedian George Carlin during the afternoon when children could be listening, there is no doubt that this issue will affect the amateur population. "This case does not involve a two-way radio conversation between a cab driver and a dispatcher..." wrote Mr. Justice Stevens, "or a telecast of an Elizabethan comedy. We have not decided that an occasional expletive in either setting would justify any sanction or, indeed, that this broadcast would justify a criminal prosecution."

The thrust of the opinion directs itself only to broadcast operation at certain times of certain types of materials. At issue is the First Amendment Rights and censorship prohibition of the Communications Act of 1934 (Section 326 of Title 42) versus the power of the Commission to control "obscene, indecent, or profane language" as provided in Title 18 U.S.C. Section 1467.

Anyone who has heard George Carlin knows that this social satirist plays upon the emotional impact of certain words in our society. Lets face, nobody wants to be assaulted constantly with certain words and social meanings that have a content and context contrary to most social mores and religions. But that doesn't mean that the government can take the initiative in removing or limiting such activities and events. As defined by the Court, freedom of speech is a relative things. Obscenity can be regulated and prohibited. In addition, the Court has said that the FCC, among other police agencies, has the power to also regulate indecent language as well as obscenity. The line between obscene and indecent is a very fine one indeed which varies from person to person.

What I would consider indecent language is different from what another person might consider indecent. Indecent language to one person may be considered obscene to another. To thrust the FCC and the government into the decision making apparatus is to invite considerable confusion.

I have heard George Carlin's routine "Filthy Words" which was the subject of the Supreme Court's opinion. It is, by any standard, hilarious. It also pokes fun at our feelings about language and certain words in particular. Before WBAI broadcast the monologue at about 2 O'clock on October 30, 1973, they preceded the broadcast with a warning of its explicit language. The program was about contemporary society's attitude toward language. A copy of the broadcast was attached to the Court's opinion for anyone to read. A complaint was received by a man who was driving in his car with his son. The Commission did not impose formal sanctions upon the station, but did place a memorandum in the station's file which they said would be associated with its renewal application. The station appealed to the Court of Appeals and the Commission was reversed when the Court concluded that the order constituted censorship.

The Supreme Court reversed the Court of Appeals and reinstated the FCC's original decision, but with its own rationale. The Court concluded that Section 326 of the Communications Act which states:

Nothing in this Act shall be understood or construed to give the Commission the Power of censorship over radio communications or signals transmitted by any radio station, and no regulation or condition shall be promulgated or fixed by the Commission which shall interfere with the right of free speech by radio communications.

did not limit the FCC's authority to sanction stations who engage in obscene, indecent, or profane broadcasting. The censorship ban precludes editing proposed broadcasts in advance, but does not deny the FCC the power to review the content of a completed broadcast.

The Court also held that Title 18 U.S.C. Section 1464 which provides:

Whoever utters any obscene, indecent, or profane language by means of radio communications shall be fined not more than \$10,000 or imprisoned not more than two years or both.

and Section 303 of the Communications Act which provides:

Except as otherwise provided in this chapter, the Commission from time to time, as public convenience, interest, or necessity requires, shall--

(g) ... generally encourage the larger and more effective use of radio in the public interest.

gave the Commission the power to investigate and sanction licensees for violations of the statutes.

The Court further held that of all forms of communications, broadcasting has the most limited First Amendment protection. This is because of its availability in most of our lives since it extends into the privacy of the home and is impossible to completely avoid broadcasts that are patently offensive. In addition, broadcasting is uniquely accessible to children.

Aside from those who would consider that the First Amendment prohibits all government censorship or control of broadcast or radio speech, what are the

practical implications of the Court's decision upon the use of the radio and television and amateur radio in particular? One of the more interesting aspects is the conclusion that the Commission has the ability to limit indecent speech as opposed to obscenity. The Court decided that Carlin's routine was not obscene, but merely indecent. The difference between obscene and indecent language is that obscene language (or printed material for that matter) appeals to a purient nature or concerns purient material. Indecent language does not have a purient interest and is merely language in "nonconformance with accepted standards of morality." This is pretty vague language. There may be certain words, phrase, or subjects which just about everyone may conclude is obscene or perhaps just indecent, but there is a wide variety of other topics which may not fall within such universal recognition.

The use of the broadcast also colors the issue. A broadcast during the day, such as the WBAI case, may be prohibited, but if it had taken place during a late nite show after, it may be assumed, all children had gone to bed, the Court hints that it might be allowable. As previously indicated, the Court does not address itself to the issue of a broadcast from a taxi driver to his dispatcher (though I am not sure why the Court picked on taxi drivers), certain radio services might also require different treatment. Section 606 of the Communications Act provides for secrecy of all radio transmissions except "Broadcast, or transmitting by amateurs or others for the use of the general public, or relating to ships in distress." For all other radio or television transmissions, there is a duty of the listener to tune away and not intercept the transmission. Could it be said that anyone who intercepts a transmission that is not intended for him could complain about an obscene or indecent transmission? Apparently not. However, do note that amateurs are not entitled to that same secrecy provision. A person intercepting an amateur transmission has no duty to tune away. It might be concluded that the implications of the WBAI case apply equally well to amateur transmissions. (a copy of Section 605 appears on page 26 of the December C & E) Obscenities and indecent language are transmitted every day on radio and television. Cable satellites carry certain programs and movies uncut and unedited and these are transmitted and retransmitted. Again, the type of service and the secrecy provisions plus the expectation of privacy dictate the ability to do this. Could an amateur have the same expectation when he is set up on a private frequency not known to anyone? Maybe not.

All these ramblings must lead to somewhere. The point I am trying to make is that there may be no hard and fast rules with regard to determining what is and is not proper subject material and language for an amateur broadcast. Do realize that the Commission has the power to limit obscene or indecent language. A recent UPI story dated September 22, 1978 indicated that the FCC Dallas office had obtained the conviction of a citizen band radio operator for using obscene language on the air. The defendant pled guilty and was sentenced to two years imprisonment and fined \$1,000. The sentence was suspended and he was placed on probation for two years and required to participate in a group counseling program. The evidence for prosecution was obtained by the commissions special enforcement facility at Grand Island, Nebraska, with the assistance of the Dallas District Office. A commission spokesperson added that the use of obscenity has become "very bad" on the citizen band radios and that the number of complaints had increased "tremendously" both in Dallas and nationwide.

The problem is not peculiar to just the CB Band. The increase in the use of scanners and other VHF receivers plus the renewed interest in monitoring "short wave" bands as inexpensive receivers become available places an increasingly heavy burden on amateur operators to keep their act clean. Freedom of speech is available on the ham band although it, like broadcasting, must

contend with restrictions imposed by the FCC. Although the First Amendment issue grates away me a little bit, I must conclude that there are few topics or reasons that would require the use of indecent or obscene language to properly express oneself. I am not sure that I would object to certain broadcasts, but I am not sure it should be a steady occurrence. Perhaps the best rule is the one suggested to me by K5JB and that is, treat your language on the ham bands in a manner that you would not mind it being heard by your local city council or state legislature. Remember, everytime you open your mouth, you represent all of amateur radio to the public listening with their scanners and short wave receivers. Consider your language in light of all relevant factors as a representative of amateur radio including power, frequency, likelihood of being heard and mode of transmission. One interesting factor in the Court's decision is that there was absolutely no evidence presented anywhere in the Supreme Court's opinion that showed that indeed, obscenity and indecent language can harm children. But they are emotionally charged words anyway. As Carlin said, "these are the words that will curve your spine and grow hair on your hands." There is a double standard. There is not a doubt. But I am not sure that Amateur Radio is not better for it.

Micheal Salem N5MS

Mike Salem, W5MS December 3, 1978
% CORA Collector & Emitter

Mike,

I would like to thank you for that article about Satellite Communications in the December issue of C&E. That was outstanding, and the best "layman" type explanation of how the commercial satellites work. I have CBS national news had a three or four minute article ^{every} _{serv.} about a month ago about an amateur in Denton, Texas, who was "eavesdropping" on the COMSAT birds. His setup and technique was quite a bit more sophisticated than CBS made it out to be, though!

Cliff Appel, WB6AWM/6

AUTO - HOME - TRUCK - BOAT - FIRE LIFE
WORKMEN'S COMPENSATION BUSINESS LIABILITY
LOW COST FINANCING



WA5YGX

Bill Beamer

AGENT
2411 NORTH PORTLAND
OKLAHOMA CITY, OK. 73107

BUS: 943-9674
RES: 721-9527

WB5UAP
DONALD H. DUCK
Special Instruments Representative

Bellone Hearing Aid Service
2828 N.W. 50th
Oklahoma City, Oklahoma 73112
Telephone (405) 947-4442

Bellone

SONY SUPREMACY
SPARCUE
Amperox 3M
marantz
SUPERSCOPE
ATLAS SOUND SONY
KTELITE AKTRON
BIC
SHURE
TUBES 50% OFF
Free Testing
Most Electronic
Engineers and
Technicians buy
from us
Kelly's
DISCOUNT
ELECTRONICS
4221 N. MacArthur
PH: 787-0822
Oklahoma City.

PHIPPS
APPLIANCE AND MAGNAVOX
HOME ENTERTAINMENT
CENTER
A Full Line Appliance Dealership
737-3471 JERRY MILLER 681-5577
843-3733 Salesman 943-3371
MAGNAVOX • G.E. • KITCHENAID • MAGIC-CHEF
FRIEDRICH • FEDDERS • CARRIER • AMANA



MINUTES OF DECEMBER MEETING

THERE WAS NO OFFICIAL BUSINESS MEETING IN DECEMBER, THE REGULAR MEETING BEING REPLACED BY A CHRISTMAS PARTY. THERE WERE THIRTY THREE MEMBERS AND GUESTS PRESENT. A TERRIFIC VARIETY OF DESSERTS WERE BROUGHT AND CONSUMED BY THOSE PRESENT. THE MOOD WAS JOYFUL, THE CONVERSATION DELIGHTFUL, AND ANOTHER YEAR OF GOOD FELLOWSHIP CELEBRATED BY THOSE WHO INVESTED IN NEXT YEAR BY PAYING THEIR DUES.

I WAS PARTICULARLY DELIGHTED BY THE LADIES, DRESSED IN THEIR CHRISTMAS FINERY. I WANT TO THANK THESE GALS WHO BY VIRTUE OF THEIR UNDERSTANDING, ALLOW THE OM'S TO PARTICIPATE SO HEAVILY THROUGH THE YEAR IN AMATEUR RADIO ACTIVITIES AND MAKE SOME OF THE THINGS WE ACCOMPLISH COLLECTIVELY POSSIBLE.

WHICH BRINGS ME TO PRESIDENT KEN'S LATEST QUEST. HE IS LOOKING FOR SOMEONE TO ACT AS CHAIRMAN FOR THE PUBLICITY COMMITTEE OF HAM HOLIDAY 79. IT WOULD BE HELPFUL, BUT NOT ESSENTIAL, FOR THE CHAIRMAN TO HAVE AN ARTISTIC AND ADVERTISING FLAIR. THE CHAIRMAN WON'T HAVE TO DO ALL THE WORK. I, FOR ONE WILL BE WILLING TO HELP AND I AM SURE OTHERS WILL ALSO.

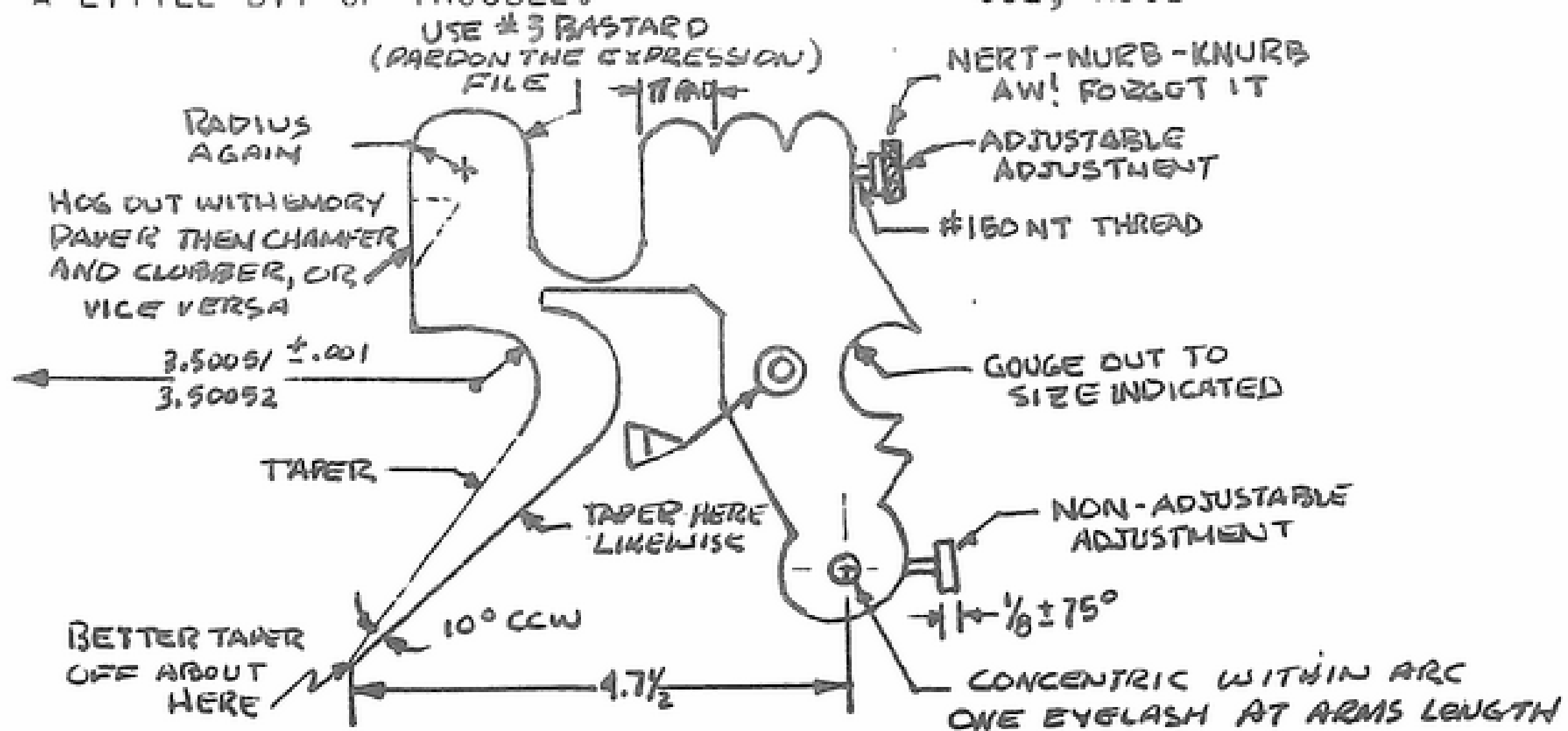
IT WILL BE A LITTLE AFTER CHRISTMAS AS YOU READ THIS BUT IF THE LORD AND THE POST OFFICE WILL IT, IT WON'T BE TOO LATE TO WISH YOU A HAPPY NEW YEAR. I HAVE ENJOYED THE YEAR SERVING AS AN OFFICER IN THE CLUB AND BEING ASSOCIATED WITH A FINE GROUP OF PEOPLE.

JOE, K5JB, SECRETARY

MONTHLY TECHNICAL ARTICLE

MY NEXT DOOR NEIGHBOR, RATHER THAN BEING SUSPICIOUS OF MY ANTICS WITH ANTENNAS, CONVERSATIONS WITH OTHER BEINGS SOMEWHERE OUT THERE IN THE ETHER AND SCREWBALL HOURS AS I COME AND GO TO FLOODS OTHER WIERD THINGS, IS RATHER SYMPATHETIC TOWARD ME. SHE SUPPLIED ME WITH SOME MATERIAL FOR THIS MONTH'S C&E. NOT ALL TECHNICAL SKILL REQUIRED FOR AMATEUR RADIO WORK IS ELECTRONIC. A GOOD DEAL OF IT IS MECHANICAL, AS ANYONE WHO HAS ENCLOSED A CIRCUIT OR INSTALLED AN ANTENNA CAN TESTIFY. THE SKETCH BELOW IS FROM AN ENGINEERING DRAWING SHE PURLOINED FROM SOME SECRET FILES SOMEWHERE. I AM ONLY REDRAWING A SMALL PART OF THE DRAWING BECAUSE I HAVE NO ONE'S PERMISSION TO USE IT AND I WOULD HATE TO GET INTO MORE THAN JUST A LITTLE BIT OF TROUBLE.

JOE, K5JB



TRS-80 OWNERS

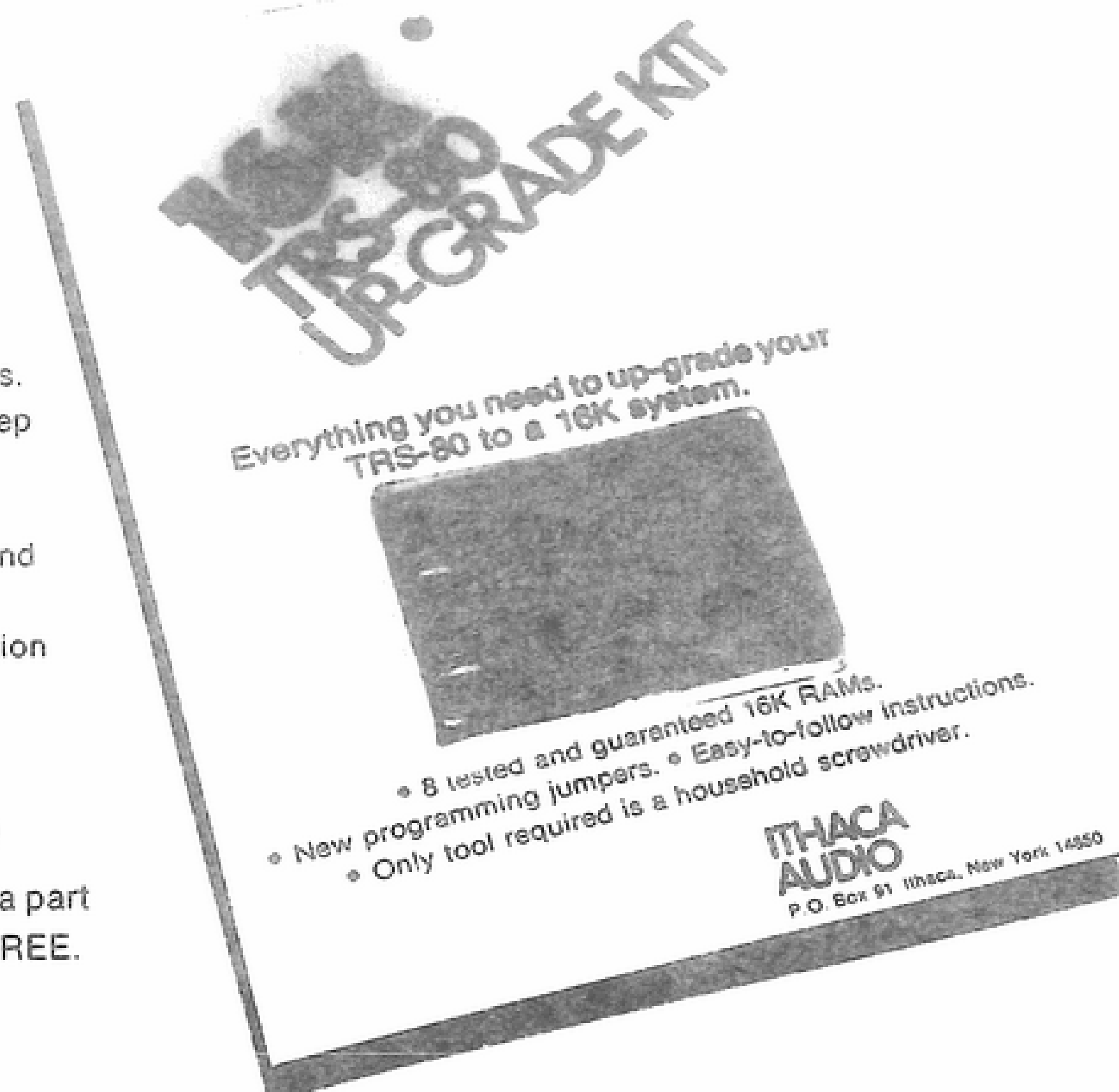
Introducing the simple TRS-80 Up-grade

It's a snap to install more RAM with Ithaca Audio's TRS-80 16K Up-grade Kit. All you supply is a household screwdriver; we supply the rest, 8 prime, fully tested 16K RAM and new programming jumpers. Ready to pop into your Level I or Level II TRS-80. These parts are the same quality as R. S. supplies but we offer them for a big savings. As a final plus, you get to keep your old 4K RAMs.

Each kit is packaged in protective anti-static foam and contains easy-to-follow instructions making installation a breeze.

100% Guarantee

Like our kit, simple: if a part ever fails, we replace it, FREE.



Available now, only
\$140

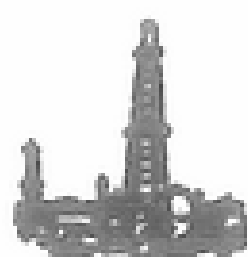
Your local dealer is

 **MICROLITHICS, INC.**

2918 N. Mac Arthur Blvd.
OKLAHOMA CITY, OK 73127
(405) 947-5646

Mon.-Thur. 9-6; Fri. 9-9; Sat. 9-5

VISIT SOON !



MID-OKLAHOMA REPEATOR INC.

By the time you read this issue of C&E, Christmas will probably have come and gone - hope everyone had a merry Christmas and that you didn't forget the real purpose of Christmas! It's too commercialized for one thing - toys that are potentially dangerous, and will endure a whole five minutes of use! Enough of that.

The editor is supposed to write - what am I supposed to write? About "Stuffed Hams"? Most of us were when we got through eating the Christmas dinner. I sure didn't need those extra calories, but they were good! There was no business meeting held, so we just enjoyed the company and the food.

John Huckaby, K5QDR, our outgoing president, asked to pass along his thanks for the MORI turnout to help assemble and mail the C&E - quite a bit better than the previous time, when we received a "No Thank You" vote from one of our best gentlemen, whom we all like and respect. Only four people showed up that time. Sometimes we all seem to "Let George Do It". Well this George wasn't there either - so I had it coming along with the rest. It's quite a chore when enough people don't show - but it doesn't take long when a bunch comes in.

An interesting sidenote; I think, I was confused about the time, thinking it was 7:30, but it was 7:00 PM - so when I got there I found out that I had timed it perfectly - everything was done - so I had no part in it, but I did try.

I listened in on an interesting, but sad, event a while back, when a retarded teen-ager was missing. I was amazed at the efficiency and thoroughness the ham radio operators played in the search for her. Sure shows how much can be done by a bunch of dedicated people when they are needed. They combed the area of the girl's suspected whereabouts, with a fine tooth comb. No results, but no one can say that they didn't try. The girl was found later, and as I remember from reading the paper, had been picked up and raped, then dumped at a certain school early in the morning. Too bad the search was in the wrong area - she was in the OklaCity area as a captive - don't know as she could have been found under the circumstances.

Well, enough.

George, WB5NMK.

As recent graduates of the joint VHF/Aeronautical Center Clubs - sponsored Amateur class, Fall '78, we, the undersigned, take this space to publicly accolade those club members directly involved: in no particular order:

Bob Graham WB5NSV
Pat Sherrill N5PS
Ellard Foster W5KE
Gill Gilbertson W5RB
C.Y.Chandler WB5TKG
Joe Buswell K5JB
Charlie Green WA5JGU

These men are to be soundly congratulated for their experience, patience, teaching abilities, knowledge, and, desire to contribute voluntarily -

It is for these and other reasons that some of us are continuing with the General level classes 1900 hours Wednesdays at the Red Cross center -

Gentlemen, we thank you -

KA5CWT
KA5CXW
KA5DAU
KA5DCM
KA5DDO

A POSTSCRIPT TO THE JONESTOWN STORY

The tragic plight of American Cult members in Guyana was quite real to Doug Magers, WB5LHO. He recalled at once a QSO he held Feb 27, 1978 with WB6MID/8R3 of Jonestown, Guyana.

WB5LHO was operating as WB5LHO/KH6 at Lanai City Hawaii.

Control operator of the Guyana station was Albert Touchette of Redwood Valley, CA. Another ham, Joe, was operating the station. He said he would be glad to exchange QSL. The contact was made at 8:30 pm, Hawaii time and lasted for fifteen minutes. The QSL card arrived on October 25 and said, "Tnx for the QSL. This is a beautiful country, and they are so friendly to the USA, but do need all of the help and encouragement they can get. Best wishes to u and ur family. CUL, Al & Joe.

Albert and Michelle Touchette, ages 25 and 24, were among the suicide victims. Joe's fate is unknown. A YL frequently operated the station. Was she Michelle?

WB6MID/8R3 was using a Yaesu FT-101E into a Yagi 80, and Doug was using a Swan 720B Cygnet with a simple two wire antenna up only ten feet, when the contact was made at 4.345 on 20 meters.

WB5LHO is a retired Presbyterian minister, age 76, who was on Lanai to serve as interim pastor of a church. Both his brothers are "old" hams, WA7ONW (ex W00JI & K60JI) of Phoenix AZ has been licensed since 1909 and his twin brother, W4OWN (ex W90FO) is retired and living in Sarasoto FL, an active ham for forty years. Doug has been a ham for only a few years. He became a novice at age 71 and a General Class operator at age 72.

* * * * *

TRI-COUNTY AMATEUR RADIO CLUB

The time --- early evening, Dec 11, 1978. I received a telephone call from Al, WB50HK. "We've got a young, retarded girl that has wandered away from home! Can you help?"

"Yes", I replied. This was the typical response of all.

Little did I realize at this time how far reaching this life-size drama would become.

Sound familiar? It should, as many of you were actively involved and many more were standing by in the event extra help was needed.

As a member and in behalf of, the newly formed TRI-COUNTY A.R.C., I would like to extend a hearty THANK YOU to all who gave of their time and fuel for this search operation.

To the numerous others, the many repeater groups and also to the "Night Owl Net", which voluntarily suspended operation to keep their repeater available, also must go Many Thanks.

To WB50HK, WB5WHF, AB5H and to many, many more -- you're a great bunch of guys!

Richard Edwards, KA5ALO

FOR SALE: BRAND NEW HT-18 HY GAIN HY-TOWER. Never unpacked. New List \$280.00. plus transportation. Sell for \$250.00 FOB OKC. ROBBY AA00 - 373-1818.

SECOND CLASS POSTAGE PAID
AT OKLAHOMA CITY OK

POSTMASTER: Send Form 3579 to:
CORA C&E Box 15013
Oklahoma City OK 73155

Publication No. 110150



H A M H A P P E N I N G S

| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|--------|----------------------|--------------|-----------|---------------------------------------|---------|----------|
| | 1 | 2 MORI | 3 | 4 Q | 5 ACARC | 6 |
| 7 | 8 | 9 76ers | 10 | 11 ALTUS ATV CONTEST see p.4 | 12 | 13 |
| 14 | 15 | 16 AUTOPATCH | 17 | 18 Q | 19 VHF | 20 |
| 21 | 22 EDIT C+E | 23 | 24 | 25 | 26 | 27 |
| 28 | 29 Q MAILS C+E | 30 CORA | 31 | | | |

See page 4 and/or individual club sections

for details

RADIO AMATEUR CALLBOOKS



The U. S. Callbook has nearly 350,000 W & K listings. It lists calls, license classes, names and addresses plus the many valuable back-up charts and references you come to expect from the Callbook.

Specialize in DX? Then you're looking for the Foreign Callbook with almost 285,000 calls, names and addresses of amateurs outside of the USA.

U.S. Callbook \$15.95

Foreign Callbook \$14.95



radio store, inc.

HILLCREST SHOPPING CENTER
2102-4 S.W. 59th 682-2929
OKLAHOMA CITY, OK. 73119