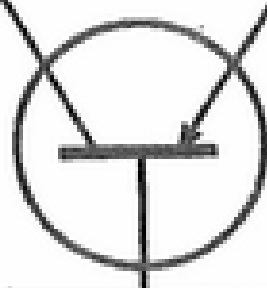


# CENTRAL OKLAHOMA RADIO AMATEURS COLLECTOR AND EMITTER



50¢

Volume 8

MAY 1982

Number 88

- 4 MORI - Busy, Busy, Busy
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Phyllis M. Gilmore, KE6TC  
23420 Washington St. Apt. 24  
Colton, CA 92324

April 14, 1982

"KU5B"  
via CORA, Collector & Emitter  
1020 Arthur Drive  
Midwest City, OK 73110

Dear OM:

As editor of the TRW Amateur Radio Club's newsletter, Crosstalk, I get to read the exchange newsletters first (with a view to scavenging). Well, I've got to make a plea for mercy to you brilliant folks out there in OK. I see an urgent need for publication (in book or booklet form) of the life and times of the esteemed Mr. Q. R. Zedd. I've only been studying this august personage for a few months, so I'm sure I've missed some information crucial to my development into an adequate radio amateur. Had I been able to sit, an adoring student, at his feet, perhaps my longest HF DX contact <sup>5-18</sup> ~~as for~~ would have been out of the county.

Furthermore, unless a definitive biography (autobiography?) comes out, there will be no way to squelch some of the dire rumors circulating in these parts. Perhaps the most unhappy of these is that Zedd's unacknowledged harmonic is into CB DX (of course, he might just be bootlegging the surname). Could Zedd redeem this unhappy child with a few well placed di-dahs? Yet another rumor is that, unbeknownst to Mom Zedd, Q. R. is in fact married (not, however, to the QSL secretary). It seems, according to the signals, that Mr. & Mrs. decided on a separation after the day she pointed her beam east and he pointed his beam west--and each lit out after DXpeditions with the full gallon (plus) of precisely the same moment.

Please consider, as a minimum, making some of these delightful articles available in reprint. I love them!

'73,

*Phyllis*

Phyllis, KE6TC

**Don't Delay!**  
**Pre-register Today!**  
**Ham Holiday '82**  
*(See page 13)*

## CLUB EDITORS & CONTRIBUTORS NOTICE

EDIT NIGHT (Paste up) of C&E will be changed to the FOURTH MONDAY of each month starting with the next (May) issue of C&E. All clubs will have met by then and have a chance to get their contribution and minutes in while they are still warm. Then on the next night CORA meets and an update of its action can be included, once again, while it is hot. Copy will go to the printer Wednesday morning, I will pick them up Friday and be at the Red Cross Building by 6:30 pm and ready for about four or five people to help put labels on and get it to the post office BEFORE 9:00 pm. You can help by just volunteering at the CORA meeting or volunteer for four of your club members and have them there by 6:30.

The June issue (May 24) will be the special Ham Holiday issue and will go to every ham of record on Oklahoma. It will be a big issue and will require extra help.

November & December edit dates will be one week earlier due to the holidays. (November 15 and December 13).

Just a reminder: Column width is 4 5/8". IF you don't have "blue lines" handy use plain typing paper, it will be "fitted".

Copy to be to me at 1020 Arthur Dr, Midwest City OK, 73110 in reproducible form by Monday noon or brought to the Red Cross building (back door), 10th & Hudson OKC. Forms will close at 8:00 pm.

Joe, WA5ZNF. Managing Editor

## OPEN INVITATION

Everyone is invited to attend any of the meetings of the Oklahoma City Autopatch Association. We meet at the fire department training center on Portland, between Reno and Tenth St., at 7:30 on the third Tuesday of each month.

Our program chairman, Art Roberts, W1GOM, announces that the auction last month was a great success, and thanks all who participated. Some equally enjoyable programs are planned for our next few meetings.

On May 18, Mike Salem, N5MS, will speak on *Amateur Radio and the Law*. No one should miss this important talk about developments that concern all of us.

Be sure to come out for the Crazy Antenna Contest on June 15. Remember the weird contraptions from the past? This event will be lots of fun. Bring your zaniest antennas that work on two meters or 440, and COME JOIN US!

CLUB EDITORS - CONTRIBUTORS - NOTICE!!!  
THE NEX ISSUE OF C&E WILL BE EDITED ON  
MONDAY NIGHT MAY 17 AT THE RED CROSS.

STARTING ABOUT 6:30 PM, YOU ARE  
WELCOME TO GET YOUR COPY IN EARLY  
BY SENDING TO THE PO BOX IN DEL CITY  
15013 OR MY HOME, 1020 ARTHUR DRIVE  
MIDWEST CITY.

Can you wear

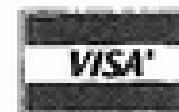
## SOFT CONTACT LENSES ?

Find out if *you* can wear soft contact lenses. Just drop by for a *free computer analysis* using our System 6600 Autorefractor.

If the signs are right, we'll place soft contact lenses on your eyes and make a further evaluation. Bring your written prescription if you wish. Patient normally gets lenses *IMMEDIATELY!*

Dr. Robert Goodhead  
Optometrist, Inc.  
2821 N.W. 57th St.

**840-1234**



*Ask Doc, WA5CZN, about his fantastic contacts!*

Managing Editor: Joe Harding, WA5ZNF 737-1044

Circulation Mgr. Bob Graham, WB5NSV 677-8685

# CENTRAL OKLAHOMA RADIO AMATEURS, INC.

MEETS: 7:30 pm Fourth Tuesday (Except Dec.) Red Cross, Oklahoma City.  
PR AD1S George Adkins 722-6195  
VP WD5JNT Ted Van Laningham 262-1675  
Se N5CIJ Frank Yohe 324-0772  
Tr K5GGL George Maschino 263-7614

## 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: Bob Graham, WB5NSV 677-8685

## 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 REPEATOR, 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 W5K0Z Sid Gerber 737-1050  
EDITOR:

## 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 AD1S George Adkins 722-6195  
Se KA5BJS Judy Macdonald 672-4947  
Tr K5GL Guy Liebmann 787-9545  
EDITOR: Henry Israel, N5IH 722-3848

## 5 OKLAHOMA UNIVERSITY AMATEUR RADIO CLUB

MEETS: 7:00 pm Second Tuesday 119 Wilson Center, 1334 S Jenkins.  
PR KA5COI Peter Richeson 329-3217  
VP KA5LZN Greg Smith 325-2418  
S/T WA2YCA Mike North 325-5731  
EDITOR: Greg Smith, KA5LZN 325-2418

## 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 ARC

MEETS: Second Tuesday, Air National Guard Will Rogers Airport.  
PR KH6JTE John Galway 670-5472  
VP N5BEQ Jim Buswell 236-0368  
Se N5AUH Jerry Sproul 354-2061  
Tr WA5RAQ Bill Rogers 632-4375  
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) 623-5421  
EDITOR: Ted Vanlaningham, WD5JNT (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 3rd Thursday at EOC  
PR WA5UBO Marsh Pronneke 363-2526  
VP WB5NQT Pat Burnham 765-7229  
S/T WB5YRN Delbert Foiles 762-4479  
EDITOR: Marsh Pronneke, WA5UBO 363-2526

## 15 SOUTH CANADIAN AMATEUR RADIO SOCIETY

MEETS: 9:30 am Second Saturday, Red Cross Bldg., North Campus, Norman  
PR KU5B 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: 7:45 pm First Thursday See club section for location.  
PR WD5DYI Mark Northcutt 755-4672  
VP WB5ISO Wendall Cochran 943-4308  
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 379-3149  
EDITOR: Yvonne Warriner, WB5TYW 379-6448

## 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 326-3640



Well Spring has definitely sprung, or at least it seems like it --- with the weather like it has been, the activities going on, and so much more. I really enjoy seeing all of the flowers blooming, etc. Just to mention a few of the activities that some of us have already participated in, they will be listed below. (I hope in order).

#### APRIL ACTIVITIES

- 1st ALL FOOL'S DAY
- 3rd The American Lung Association "Walk-a-thon" was in Moore, Oklahoma. There were 6 amateurs who participated right along with the people who were walking, it seems everyone had a real good time, and it was a real good turn-out.
- 6th MORI MEETING: We elected our new President, K5LDI (Tom) who was competing with Bob, WD5EVP or now known as N5EPV -- by the way Bob, I am very curious as to how you are going to re-arrange those letters for your new call -- I think that I can see how you would on your cap, and T-shirts, but good luck on your belt buckle (that brass belt buckle). Also, Gary, WA5GNV announced to the club that he went to Texas, and received his new license, now putting him into the e"X"tra bunch of people. Congratulations to ya Gary! The Blood-mobile was there (at the meeting) and Paul reported we had 9 people donate this time.
- 9th We were invited to a dinner-meeting which I really enjoyed and seeing everyone for a bit of chit-chat, etc. The food was good too...
- 10th Happy 4?" Birthday to June - N5ARV.. (June, I put that "?" in there for a good reason, it isn't a typographical error.)
- 10th Also, on this day, I was in Hot Springs, Arkansas to the horse-races. It was my first time (and definitely won't be my last). By the way, I just about broke even on my betting.
- 14th Happy "4-2"
- 15th I hope you all remembered today, for it is deadline for the I. R. S. and I just hope it all works out fine...
- 16th O.C.V.H.F. at the Red Cross, but I wasn't able to attend, so I really don't know too much of what happened.
- 20th Fred and I went to the "Autopatch" auction, and I really had a good time, sure a lot of good (used) merchandise, and prices were pretty good too.
- 24th The March of Dimes "Walk-America" is today, beginning at 8:00 A. M. at Lake Hefner. Fred, KA5CXW has been requesting anyone interested in participating, contact him on the 07/67 repeater, or call him at home (528-1537). I think that Mark, N5EIH will be the control operator, and several others will be at the control points.
- 26th Editing for C&E, so I must get my article down there right away.
- 30th Last day of April for 1982.

Hope that I got everything and if I did leave something out, I either didn't know about it or I forgot. You got to remind me of these things (for publication) HI!

Oh, I just about did forget something, Ken, N5DLH went to Texas, the other day and up-graded to General. Congratulations to you Ken!

Ken (K5VVZ) and his wife Rosemary went to the Azelea festival the other weekend in Muskogee. We saw the pictures the other night, and they sure were pretty. I wish that I could have joined you on the trip.

Hope that you have a good month for May, and see you at the meeting (on the 4th) if not sooner. Take care!

73' Susie (KA5FED)

#### AMERICAN LUNG ASSOCIATION WALKATHON

A walkathon on Saturday, April 3, 1982, was assisted by several amateur radio operators. The amateurs served ably, providing communication which in turn insured more safety and welfare for the walkers.

The trek from the new Moore Community Center to Draper Lake and return was sponsored by the Moore J. C's for the benefit of the American Lung Association. Bill Pfeiffer was coordinator for the event.

The amateurs participating were:

KA5MYV, Cris, Net Control  
WA5TAR, Sid, Post 1  
KA5EKU, Charlie, Post 2  
K5VVZ, Ken, Post 3  
N5EIH, Mark, Coordinator & Post 4  
KA5CXW, Fred, Midway Post  
KA5LWY, Mel, Roving Operator

A Red Cross Disaster Service van was used during the walkathon. Fred, KA5CXW, assisted in giving first aid to a youth who had an asthma attack. Several minor cuts, bruises, sunburns and sore feet were treated. Almost anything can happen during an event such as this. The amateurs were there, just in case, to provide communication.



FOR SALE: SB-220 Heath Amp. \$400.00 Firm  
1-500 ft. roll 3/16 Steel Guy Wire \$50.00  
Call: W5MCM Bob: 946-6840

#### MORI GOES PUBLIC SERVICE

MORI radio operators distinguished themselves and their club on the behalf of the American Lung Assn. and the March of Dimes by volunteering to provide emergency communications for their Walkathons. We took prearranged posts along the way on the walk routes and assured that any emergency incident was reported to the net control at the walk hqr. We spent two Saturdays April 3 and April 24 enjoying the sunshine (HI) and provided a very valuable public service. Here are notes from each activity:  
AMERICAN LUNG ASSN. WALKATHON APRIL 3  
MOORE OKLA. TO DRAPER LAKE  
7:15 to 2:30

Net Control: KA5MYV Chris Sartoris  
Coordinators: Mark Galbraith & Fred Taylor  
Volunteers:

KA5MYV Chris Sartoris.. knows about public service, and is a rising star in our Ham Radio cadre. His friendly and exuberant personality runs in the family. His father, also a licensed amateur, is the local Director of the Red Cross Oklahoma-Texas Panhandle Division. N5EIH Mark Galbraith professional attitude, his verve really made the project a success. He is a credit to Amateur Radio. Thanks...

K5VVZ Ken regained his rosy glow on top that day! Ken brought the MORI P A for mobile use and it worked great.

KA5LWY Mel and his YL came late but helped a lot by crossbanding with the Moore J C Freq.

N5EKU Charlie Walker thoroughly enjoyed the outdoor scene with his trusty radio equipped P U truck. For those that don't know him, he is a management intern on his way up to top management. THX Charlie.....

WA5TAR Sid Rose is one Loyal and experienced operator. He adds a extra dimension by operating from a two wheeler with his Santec. Don't know what we'd do without you, Sid.....

All in all we helped to oversee a great walk dispensed a lot of bandaids, soaked a lot of feet. We were fortunate to have the Red Cross Disaster Van and the Explorer Post to help with First Aid. Only one serious event was treated... a severe asthma attack.

CONTINUED ON PAGE 5



## Central Oklahoma Radio Amateurs

Pre-registration time is HERE for HAM HOLIDAY! Please register early; this helps tremendously in our planning for programs, awards, etc. I sincerely hope you will include the Saturday banquet in your plans this year--plus the "Western dance" which will follow the banquet. FREE dance lessons will be available at the dance for the beginner. I encourage you to bring your non-ham friends and family to HH82. We plan on several personal computer displays; an all-new ladies' program plus other attractions of general interest. See ya there!

Everything is looking up toward Ham Holiday as was evidenced by the committee reports at the April CORA meeting.

Pre-registrations are beginning to come in and someone commented that in the last few HH that the pre-registration winner was always a low number - 'nuf sed!

The men planning the ladies programs need some help from the female types who know what they would like to have that hasn't been done before. How about going underground? Like touring the Metro Concourse (tunnel)?

A committee meeting to decide what program will be in what room, to clear up loose ends, mainly small details so everything will fall into place and everyone attending will have plenty to do besides "shop"

There was very little business to take up since everything was going smoothly so the meeting ended early - then the eyeballing started.

Joe, WA5ZNF

MARCH OF DIMES "WALKAMERICA" APRIL 24

LAKE HEFNER OKC

NET CONTROL: N5EIH Mark Galbraith

Coordinators: KA5CXW and N5EIH

We set up the Red Cross Mobile Canteen at around 7:30 that morning at STARS AND STRIPES PARK with 2 mtr radios installed, canopy out over a brimful pot of coffee on that cool morn. Mark and Chris were glad to see the van when Fred arrived and parked it. K5VVZ reported re from #8 that the P A system was installed for mobile use. However when hg spoke for the first time thru the rig to several female walkers loudly he was a bit afraid of us recieving a clear cleaning bill. Also, he drew the attention of a local skunk who then strolled along with the walkers to thier dismay...Susie hummed along with her Moped performing mobile First Aid.. Understand she treated over 25 hikers both mobile and at the van...As the walkers passed or checkpoints we then moved up to keep pace. Introductions of those we havent previously noted:

N5EPV Bob Allen (WD5EVP?) showed up with his purty wife June early (7:20) and kept us all in stitches. Bob is Pres of the Choctaw Radio Club....

N5ARV June is employed by the Coast Guard and has a bubbling personality.. get it. Oh Well...She is always where the action is.

K5WUF Dale Deihl stayed until the last walker came in. He is so loyal and really a professional in every sense

KA5FED Susie was there doing her thing, plus helping me load and unload the van Thanks loads Weall love you gal....

N5BEQ Jim Buswell livened up the van when he arrived from a run a thon down town. Clara Storm and local Hams made it also a success..

Thanks to ONE AND ALL..... KA5CXW Fred

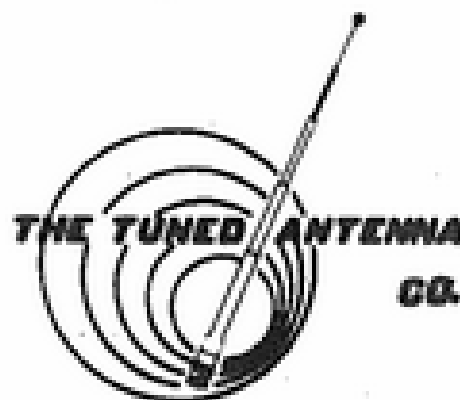
FOR SALE: KT-34XA Triband Antenna- 6 Elements on 10; 5 elements on 15 and 20 meters. A real workhorse. Already built. Call Henry, N5IH, 722-3848.

# NO INTEREST LAYAWAY PLAN

Would you love to have a new piece of amateur radio equipment? If your answer is yes, and you don't want to pay the so called 10% discount offered by the many 800 numbers; or the 18% interest charged by the credit card companies; we have the plan for you.

Equipment is easily available through us from the manufacturers listed below.

AZDEN RADIOS  
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KENWOOD RADIOS  
LUNAR ELECTRONICS  
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ALLIANCE ROTATORS  
HUSTLER ANTENNAS  
ICOM RADIOS  
KANTRONICS CODE READERS  
M F J PRODUCTS  
REMEE CABLE

## BRODIE ELECTRONICS COMPANY

BILL BRODIE K3TGY/5

2537 Edgewood Drive  
Moore, Oklahoma 73160  
405-794-0406



Edmond Amateur Radio Club  
P.O. Box 76262 / Okla. City, Ok. 73147

Editor: STAN VAN NORT WB5UIY

### REVIEW OF LAST MEETING...3/1/82

The meeting was held at the General Electric building and was called to order at 7:50 PM by President Mark Northcutt. After the usual opening routine Dennis Orcutt brought out a survey that he ran in regards to changing the dues and meeting date. After this was discussed a motion to change the meeting night to the First Thursday passed. The next dinner meeting will be held on the new meeting night. Next motion to raise the dues to \$100.00 failed. A motion to raise the dues to \$30.00, a Five Dollar increase, passed unanimously. However, upon reviewing the club constitution, the above motion was found to be out-of-order and was ruled invalid. Therefore the yearly dues of \$25.00 remains the same.

Martin Vinson reported on the progress of a remote-base and repeater control system. It is moving real slow and he was still needing parts. Dennis advised he had a 10 meter FM transceiver that could be used as part of the r-b system.

Dennis then reported on the recent move of the 2 meter receiver which was located on the Channel 9 TV tower. It is now being operated from 1430 foot level on Channel 5 TV tower. This of course, is the location of all the other repeater equipment. Dennis passed out photocopies of a diagram showing the club's equipment on the TV tower.

Under new business, a motion to limit the club membership from the current level of 50 to 40 passed. This also included another part which would drop delinquent members after two months. The purpose of the motion is keep small the membership so everyone is known and the club is productive. As opposed to letting it get large and apathetic. Since current membership is approx. 48, the motion allowed attrition to reduce the total to 40. If anyone drops out after that then new members will be allowed to join.

The last piece of business dealt with a problem in the past election of the Vice-President. The constitution limits club officers to only one term except for the sec/treas. The re-election of the V-P was ruled invalid and President Mark Northcutt appointed Glen Cochran to serve the remaining term of office.

The meeting was adjourned and almost everyone went to McDonalds for refreshments.

### DINNER MEETING...4/1/82

April Fool's Day started our first meeting night under the new schedule. About 38 people were present, including family members. Pizza was the main course as we gathered for the first time at Crystal's Pizza on N.W. Highway. I personally enjoyed the salad bar and I know the kids went wild in the game room. We would like to thank Glen Cochran, WB5MLX, for his good work in organizing the event. This was his first chore as the new Vice-President and he deserves big applause.

If you have any suggestions for an upcoming dinner meeting pass them on to Glen. We could use some ideas such as a picnic or pool party at someone's house.

### NEXT CLUB MEETING MAY 6, 1982, THURSDAY

#### FOR SALE:

KENWOOD TWINS 599D with 2 and 6 meter converter in receiver. Excellent condition. \$500 includes matching speaker. Call Burl, N5DUQ, 722-4781.

### HAMVENTION FEVER - DAYTON STYLE

I have just returned from the 1982 Hamvention held in Dayton, Ohio. With the return airline flight early today, Monday April 26, and deadline for the publication tonight, I can only hit the highlights. Next month will feature pictures and several comments from Mike Salem, N5MS.

As Mike commented last month in the C. & E. on page 18, Dayton is the biggest. This year was no let down. With a late night flight on Thursday, April 22, we got to the motel late and arranged for an early wake up call. With only a 3 hour nap, the group was up Friday morning ready to hit the flea market. This was a strange group indeed! Now you should know it consisted of Mike (N5MS), Joe (K5JB), John (WB5PZD), Joe (WA5FLT), and your editor here. We hit the flea market early, following Mike who figured out how to get in early before it officially opened. Mike is a flea market junkie and he soon disappeared among the crowd never to be seen again, until it closed and the security guards threw him out. Dedication.

I made all the rounds through the 10 plus acres of flea market and then went inside to check out the commercial exhibits. Being on a limited budget I knew better than to dwell too long at any one booth. Inside there were 173 booths of commercial exhibitors. This included every major amateur manufacturer such as Icom, Drake, Yaesu, Kenwood, KLM, Cushcraft, and all the rest. It also included micro-computers, satellite earth stations, and dealers from the eastern part of the U.S.

Now I need to mention the mass that attended this event. Over 25,000 registered and I believe it went up to around 28,000. I think you can understand why it is considered the largest Amateur Radio Convention. After making it through once it was already 5:30 PM and Joe needed to go out to the motel to pick-up some trading stock. I decided to call it a day since my recently recovered broken foot was sending distress signals. I understand the others didn't leave till about 7:00 PM.

Saturday we were up early again and off to Hara Arena for round two. I went to the flea market again and found two rows of exhibits I had missed the day before. It definitely gets bigger every year. This day I also put one of my walkie-talkies on the market and it sold about 4:00 PM. I rat-holed the cash since I had already spotted another replacement in the Yaesu line.

That evening some local amateurs that Joe (K5JB) and Hoss (WB5ZOI) knew took us to a real hideaway Mexican food restaurant. Upon driving into the lot we thought it was going to be a real dive joint, but inside it was nice and clean. The food was great and the margaritas spiffy. Always trust your guide.

We got back to the motel and had time to bring out the goodies for show and tell. We also made plans for the last day of the flea market with everybody making a wish list. Frequently somebody else will find your item and via the Dayton Direct Frequency we constantly monitor, one is dispatched to the location.

Sunday morning came around and we slept in little late to allow for the change to Daylight Savings Time. Today we had to pack the goodies and check out. What a chore, the trunk to the rent car was loaded and 8 inches away from dragging the rear bumper off. We arrived back for round three and the bargains were hot. You see the price really drops on the last day because many vendors don't want to rent a vehicle to take all the stuff back home. Besides they already broke even on Friday and made their profit on Saturday.

I made my only big purchase and picked out a Yaesu FT-208R to match my 708R that I had traded for a month ago. I also finished my run on the commercial booths collecting the brochures and advertisements. About 3:00 PM

continued to page 7



UNIVERSITY OF OKLAHOMA

Amateur Radio Club 146.28/.88

## NEXT MEETING - AUGUST 31, 1982

The next meeting of the OU Amateur Radio Club will be Tuesday, August 31, 1982 in 119 Wilson Center. The meeting will begin at 7:30 pm. The May 11th meeting has been canceled as that date falls in the midst of FINAL EXAMS.

Last April 18th, the OU club leaped into community service action and helped with the 3rd annual Campus Corner Street Festival. We used the VHF airways to provide around-the-course communications for the day's bicycle races. The morning's activities brought amateur (not our kind of amateur) races with the card carrying cyclists racing during the afternoon. There were four 20 mile races and one 25 miler. I'd like to publicly thank Peter, KA5COI; Jim, WD5HPU; Linda, N5DWN; Russell, WA4VCS; and Ken, N5BEW; for helping me on such short notice. Also special thanks to Michael, N5MS; for the use of his 2-meter mobile as a base station at the start-finish line.

There were some 'good' wipeouts on my corner, but luckily no one was hurt seriously. These cyclist are going all out in the races. One spill occurred when a biker took a corner so fast that the rear tire rolled off of its rim and locked up the rear wheel of the bike.

If any amateurs, especially in Norman, wish to help our club with this type of activity, please contact the club Prez, Peter, KA5COI; or myself. We'd like to get a list of interested persons to call when a project comes up. I don't think we would have time to list some of the projects in C&E. For example, I was contacted about the bike races on Friday before the Sunday that they were held. Again, I want to thank the club members who responded on a moments notice.

The OU club is also planning a booth with amateur equipment on display during the Fall '82 1st/4 activities which occur during the four days which precede the beginning of classes. The booth will probably be set up on Tuesday, August 24th.

Have a nice summer and we hope to see you in the fall.

"73"

Greg, KA5LZN

continued from Edmond Amateur Radio Club

they started the drawings and I found a seat in the Arena to watch and rest. Mike was still working the remains of the flea market as the exhibitors were closing down. I held Mike's ticket just in case he was a winner at the drawing. At 4:00 PM we had to hit the road to make the airline connection at 5:20. We had to threaten Mike with bodily harm to pull him away from the flea market. On the way to the airport he kept mumbling something about last chance bargains.

With only minutes left we grabbed a McDonalds hamburger and made assignments to expedite the check-in. At this point I found the prize drawing was not a total loss. I won a Free Coke from McDonalds.

At the airport Delta was ready when we were and I was the last on board at 5:20. We barely made it, but we on board and headed home. Finally a chance to relax. Nothing was really eventful on the way back, how could it after a weekend at "the" Dayton Hamvention.

NEXT MONTH: A FULL REPORT ON DAYTON INCLUDING PICTURES FROM JIM SHIDLER, WB5YWO

ALSO LOOK FOR TYRONE TURKEY-A REAL HAMVENTION HAM

COLLECTOR AND EMITTER

SOUTHEAST OKLAHOMA AMATEUR RADIO ASSN.  
SOUTHEAST OKLAHOMA AMATEUR RADIO ASSN.  
SOUTHEAST OKLAHOMA AMATEUR RADIO ASSN.

Well Joe, you finally did it—shamed me into making a submission to the Collector and Emitter. We have been extremely lax in getting these reports to the C&E.

First a little bit about ourselves. The South East Oklahoma Amateur Radio Association was organized in 1977 by WB5JYF, WB5TTU, WB5ULI and WD5FUE who were the only active amateurs in this area at that time. We organized primarily to support a local repeater for ARES activities.

The current officers are—WB5TTU President, WB5ULI VPresident, WD5FUE Sec/Tres, and as editor yours truly—WB5TTU. Our club meets the 2nd Monday of each month at various locations.

Our club works closely with the Red River Valley Amateur Radio Club in Paris Texas. Because of our location, more of our activity is geared toward the Texas club than any of the Oklahoma groups.

The recent Skywarn training session held by Neil Marchbanks of NWS and Jack Muse of state CD was very informative. The public turnout was not good, but with 2 escaped convicts on the loose, most people were keeping close to home. The amateurs at the session nearly outnumbered the non amateurs. Neil's presentation touched on many new areas and was well worth the time to hear.

We are very ARES orientated. The club sponsors our local Skywarn and participates in various public service activities; such as the St. Jude's bike-a-thon and the Heart Fund's 10,000 meter run.

That's a capsule review of S.E.O.A.R.A. Anyone visiting down this way is welcome to use the club's repeater on 146.01/.61 (when it's working, as it stays in the hospital more than it does on the hill HI). Simplex activity here is on 146.94.

On April 2nd a tornado roared through Choctaw County, leaving extensive property damage in its path, but fortunately with no major injuries. County EC, WB5ULI, and CD Director Jim Risenhoover spotted the tornado as it approached the west side of Hugo. The storm passed to the north of town and destroyed a small community 6 mile N.E. of Hugo. ARES members and CD reached the damage site minutes after the tornado passed through. WD5FUE, assistant CD Director, assisted local school officials in re-routing school bus traffic around the damaged area. WB5JYF traveled from Sherman Texas and assisted our local group.

ARES assisted Civil Defense in storm spotting, debris removal and damage estimates. ARES handled nearly all of the communications needs of the Okla Baptist Disaster relief Agency.

On April 4th while WB5ULI, WB5TTU and KA5KAV assisted CD and Red Cross with damage surveys, WD5FUE escorted the Baptist disaster van to Paris Texas and assisted them in locating their crew that was working the Paris Tornado disaster.

Our emergency plan called for us getting help from Paris Texas if the need arose, however Paris also suffered a major tornado. We were unable to assist them, and they were too busy to help us. As unfortunate as the disaster was, it has helped us in locating the weak points in our operation.

Some comments were heard on the air that we were not helping Paris Texas by taking H&W traffic. Well, we did take 113 pieces of traffic and finally had to hand carry them to Paris. We were busy with our own emergency. We had 6 operators compared to half of Dallas that set up in Paris to help handle communications there.

We were very lucky, our tornado passed through fairly unpopulated areas, and not through a population center as did the one in Paris Texas.

Amateurs assisting in the Hugo tornado were—WB5ULI, WB5TTU, WD5FUE, WB5JYF, N5DVM and KA5KAV. All of wish to thank our SEC, W5ZTN, for the help he gave us. Also to the many who helped out on 3900 kHz and the many other HF frequencies that were used.

WB5TTU

MAY

# The South Canadian Amateur Radio Society

SCARS HOLDS APRIL MEETING.....(no foolin')

The South Canadian Amateur Radio Society held its regular monthly meeting on April 10th at the Red Cross Building in Norman. Sixteen members and visitors were present.

- Certificates were awarded to W5MCJ and N5DWN for their participation in the March CW contest. Certificates for KA5MIZ and W5OU will be awarded at a later date.
- W5MCJ will check out the club station to make sure that it is working properly
- The affiliation material has been received from ARRL and will be completed and mailed as soon as possible.
- It was decided after some discussion that the club will continue its classified ad in the NORMAN TRANSCRIPT, however it will be placed under another heading.
- The club decided that if needed, more of the commemorative Diamond Jubilee QSL cards will be printed if needed.
- After a discussion of Field Day, W5SQJ, N5DWN, and W5MCJ were appointed to make the necessary arrangements.
- Plans for a Norman, Oklahoma QSO party for August were discussed.

The program for April was a video tape by HP on soldering and desoldering of IC's. The club thanks WA5MLT for providing it.

The Program for the May meeting, which will be held May 8th, will be a presentation on Contest Operation--Some Do's and Don'ts.

MORE LETTERS PRAISE, ATTACK THE GREAT ZEDD

Open Letter to KU5B:

Dear KU5B,

Boy, you sure got a good callsign for what you are full of, buddy, and I do mean the B. It is just like my pal Cappy Satyr said, there is no one who can match up with Texas' pride, the magnificent Dingfod Armstrong, and your Q.R. Zedd is just so much dogfood as far as we are concerned.

What makes you think Zedd is so hot anyhow? If you got nothing better to do than write about turkeys like him, you ought to turn in your goose because you ain't going to need no more quills. You are an idiot and a nerd.

73,

R.E. Sistor, Dallas

P.S.: And you know what I meant when I said that about your call. The B should stand for Balderdash!

TO WHOM IT MAY CONCERN:

If you were not an idiot you would know the world's best DXer is Bill Buckeye of Columbus, Ohio, which is also the home of the world's greatest football coach, Wayne Woodrow (Woody) Hayes.

Yours truly,

Areff Coil, Dayton

LETTER TO THE EDITOR:

You guys in the 5 call area can squabble all you want, but everybody knows that we have the real champion DXer here in 6-land. I speak, of course, of Hiram Tikitoki, Hawaiian-born greatest of the greats who, at the tender age of 21, has already worked 400 countries above 1296 GHz and lost all count of countries worked in various modes below the microwave region after he passed the 1,000 mark.

Hiram never boasts, so not a lot of people know about his exploits. However, I will tell you that he speaks 13 languages, can copy code above 100 WPM, invented the LED, the yellow-handled screwdriver and the martini, and is the only amateur radio operator ever allowed to operate from Lenin's tomb in the Kremlin.

He can put your Zedd in the shade on any

band, any mode, any time, any way, in daylight and in dark, standing on his head or asleep at the switch, under water or on the side of a volcano, from aeronautical mobile or his own shack, or any other way your Zedd might choose to operate. Hiram will take out both Zedd AND Armstrong with one Hawaiian punch.

I know you will not have the nerve to print this, but I am used to that kind of thing. By refusing to let the true facts about DX and DXers come to light, you are only showing the kind of person you really are, and I am too much of a gentleman to say what that is. You are really a rotten person.

Your friend,

Yagi B. Quad, Fresno

TO THE EDITOR:

...Calvin Cornpone of Atlanta, who has worked all stations on all bands and also invented the Confederate flag....

Tom T. Tower, Atlanta

Dear KU5B, you TURKEY!

The greatest DXer lives right here in New York City and his name is Milton Mac. The Big Mac was named after him after he worked 5BDXCC in three hours one weekend while loading his Swan 350 into the cord of an old Olympia record player.

Please excuse the crayola. They will not let me have anything sharp here.

Faternally Yours,

Liddy G. Gordon

PS: I hate your guts. Come around here and I will hold your hand in a candle for a long time.

Dere Idiotur,

You proly thank you are reel smart with your stuff in there alla time on K.R. Zeff as wrote up by that fool KB5V. I just wan you to now that not all of us are amused. I showed one of your last ishews to my high school anglish class I tich reglar here in Newington an they said same as me it ain't funny or nothing so why do they print it I don't know I told them.

Besides which everybody knows your man Zipp has never been approved by the ARRL so how could he amount to a hillybeens?

An on top of that is, the greatest DXer is Hiram Percy Duncce of right here in Conn., he has worked quite a few countries on 75.

I guess this will put you in your place where you belong which is more than you can say for everybody, so ha-ha!

Seventy thirds,

I.G. Rural,

Newington, Conn.

Dear Jack,

I have followed some of the correspondence in the C&E about Zedd. One or two of your correspondents even chose to drop my name into the controversy. As the truly greatest, I feel compelled to make a modest proposal.

Why not have an amateur radio Olympics?

What I mean is, you can invite all the pretenders to the throne of greatness in DXing, and have a radio tournament some weekend. Or heck, if you want to, you could spread it over a week or more. You can set up categories like most countries worked most bands/modes/etc.; QRP; with a dummyload antenna; SSB; CW; RTTY; SSTV, and so on. You can have a CW sending and receiving contest, a competition of pulling 'em out of the QRM, a special category for name-calling nastiness out of the band, etc., etc. Let everybody who thinks he is so great come and take part. Award points for first, second and third in each category. At the end of the tourney, add 'em all up, and winner takes all.

Of course I don't really think many of these big-mouths will accept such an invite. None of 'em has got a gut in his body long enough to string a football with.

Good DX,

Bill Blast

# AMATEUR AUCTION IN APRIL..

## MIKE SALEM IN MAY...

The Oklahoma City Autopatch Association held its annual "auction" on last month's meeting date. Over 80 hams and family members attended and bought many of the interesting items up for sale. Bill, W5JYT did an "incredible" job as official auctioneer. We hope everyone found something to their liking. The Next O.C.A.P.A. meeting will be held on May 18, 7:30 P.M. at the Oklahoma City Fire Department training center located on Portland between Reno and NW 10th Street. Again this month we have an excellent program in store. Attorney Michael Salem, N5MS will speak to us on "amateur radio and the law." Mike will address the problems of municipal and state regulation affecting antenna, TVI and RFI plus he may bring us up-to-date on the pending Oklahoma City antenna case. This will be a good one--and everyone is invited to attend. Whether you are an O.C.A.P.A. member or not, plan to be there on May 18.

## SEVERE WEATHER WARNING NET

### UPDATE & COMMENT

Frank, N5FM is the Emergency Coordinator for the association and this month's report includes a comment and update from him. Please read his report carefully and I think you may have a better understanding of the purpose of the "22-82 Severe Weather Warning Network."

By the time this goes to press, we will be deep into our storm season. Much has been written and much said about the O.C.A.P.A. Severe Storm Warning Net. Some of this reflects a misunderstanding of my efforts and the efforts of others that I have worked with over the past nine (9) years.

I have been active in the O.C.A.P.A. net since I became licensed. Many Amateurs can not be active during working hours because of their jobs. We can be thankful for those who can. Others can not leave their families to go on duty at some location. We can be thankful for those who can. However, most Amateurs recognize that we do our best to serve the people of Central Oklahoma and they give us their support. We are thankful for these individuals also.

Now to outline what we do. We decide when to call the net, not the media. We control the net, not the media. The net serves the general public, not the media. We have a group who serve as observers at the Channel 9 Weather room. This group is headed by Hobe Burgan, WB5MLN. They check into the net and receive information, as well as feed it to the net. Channel 9 is well equipped with several types of electronic gear that serve our needs. Our repeater is located in O.C.A.P.A.'s own building and has automatic emergency standby power. Mark Northcutt, WD5DYI, usually checks into the net from Channel 4, equally well equipped I am sure. W5LOW Red Cross station usually has someone check into the net. A group led by Don Rooker, K5SJV, checks in from the Weather Room at Radio Station KTOK. They have a small radar at their disposal. A group led by Art Roberts, W1GOM, at the FM Station KOFM checks into the net. The radio stations have teletype units that receive data from the wire services and National Weather Service. We set up an information center in the Warr Acres Police Department to coordinate all of our data and have it ready for net control when needed. This center is being manned by Chuck Wilhite, K5NK, and Chuck Guschke, N5SW. They have access to the NCIC Police teletype, Civil Defense Radio and National Weather Service teletype, as well as Ross Dixon's Weather

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Scan Service which Warr Acres subscribes to. In addition, they are in contact with all law enforcement agencies throughout Oklahoma. Warr Acres has emergency standby power. We have agreements with the Woodward Amateur group and the Altus Amateur group to link during emergencies. These links will be finished soon. We also have a mobile trailer unit equipped with a 5 kw power plant with a fold-up tower, beams for 2 meters and 450 mhz, a 2 meter repeater that can be brought up on any ham frequency. The unit contains quartz lights, mercury vapor lights, incandescent lights and florescent lights. A team of five (5) Amateurs are ready to take this unit to back up net control during the net and to any place that it is needed at any other time. This crew contains two (2) Firefighters, one from Oklahoma City Fire Department and one from the City of Bethany Fire Department. It is under the leadership of Merrill Scott, WB5PTQ. Henry Israel, N5IH, is in charge of the net control group.

Now what makes all of this really work are the excellent mobile spotters, such as David "Fergie" Ferguson, K5SXJ, who risk their lives and property by driving into these storms so the rest of us have a better chance of surviving.

Our people have the benefit of nine (9) years of training in seminars held by Gary England, Channel 9, so we will know what we are seeing and our reports will have credibility. We have tape recordings of all nets held the past few years. We know who checks into our net. We hope they make use of our information.

We are not perfect, but then we are not finished either. We need more people who are free to go when the going's rough so we can man other locations, such as the National Weather Service. Also, Channel 5 has asked for observers. We don't have enough people who have stepped forward to do the work. We hope to link with other cities as soon as time permits.

This is an Amateur Radio Public Service, not just O.C.A.P.A. We could certainly use your help and support!

Frank McCollom  
N5FM

## ARRL FILES "FRIEND OF THE COURT" BRIEF IN SUPPORT OF OKLAHOMA ANTENNA CASE....

The American Radio Relay League has filed an "amicus curiae" (friend of the court) brief in U.S. District Court for the Western District of Oklahoma in support of Chuck, N5SW's lawsuit against the City of Oklahoma City. Chuck sued the city because it had denied him permission to maintain a 78 foot antenna. According to his suit, he needs to exceed the arbitrary 50 foot limitation because nearby topographical obstacles (Lake Hefner Dam) would impair effective communications from a lower antenna. The league filed its brief "because of the potential for precedence being established in a Federal Court which could be valuable to Amateur Radio in general." (QST, May 1982) To date, the OKC Antenna Defense Fund has received some legal research assistance from the ARRL...but all funds to pay for the costly prosecution of this case in U.S. District Court have come from N5SW and the contributions of hams in Oklahoma and all over the United States. Your assistance is still needed, especially now that we are nearing a crucial hearing in the lawsuit. If you are content to allow a City Zoning Inspector to single you out for enforcement, just because a neighbor thinks your antenna is "ugly" then sit on your hands and try to wish this problem away. Experience tells us that the problem is here to stay unless we do something about it! If you want to be a part of this fight help Chuck with a contribution. The amount is not important--but your participation is! Send contributions to the OKC Antenna Defense Fund, P.O. Box 32735, Oklahoma City, OK 73123.



# Salem

## IC2 ALPHA TACO AND IC4 ALPHA TACO FIXUPS

Goodness, I like Icom radios. I know that there are a few proponents who like all the others. Actually, I have nothing against any of them. I even have a Kenwood radio. But Icom seems to offer a terrific value for the buck. My IC4AT and IC2AT are cases in point. The new Yaseu and Kenwood radios are really quite neat and they offer a lot of bells and whistles for the average amateur. But bells and whistles weigh a lot and take up a lot of room. So the Icom is the new lightweight champion. Plain ole simple vanilla radio. And they work well.

But even Icom is not without it faults. For some time I have hoped that Icom would change the soprano technician who sets mike gain and deviation on their radios. This whisper voiced fellow ensures that you can blow a CQ into the radio at arms length and still have full deviation. Modulation quality is good, its just that the mike gain is hotter than hell.

The quality control department also slipped up when they selected the BNC connectors for the antenna jacks for the 2AT and 4AT. The first hint of trouble came when I was within eyeshot of the repeater and still could not hold the COR. K5JB experienced the same trouble and fixed it by crushing the connector center conductor together, then leaving well enough alone. I, however, keep taking the connector off and on, alternating between using the radio in the car and the airplane. The connector kept getting progressively worse until it seemed that I couldn't get enough oomph on the needle nose pliers to keep the center conductor in contact with the antenna jack. Radical surgery was needed.

I have also known several people who have had trouble pumping touchtone through their Icoms. My first experience with this was my IC-230 synthesized mobile radio. The outboard touchtone pad just never seemed to work all that great. A check of the tone level on the deviation monitor showed that the low tone was being strangled by the high tone. There just wasn't enough low tone to activate the decoders. This "twist" problem has been present in just about every Icom radio I have had. The same characteristic is noted in the IC-2AT and IC-4AT. It was not that much of a problem with the IC-2AT since the touchtone decoders used on the 28/88 repeater are very stabilized phase lock loops with a custom designed AGC and Prefilter. This made the tolerance levels for touchtone quite large. The AGC shows about a 20 db dynamic range. When I got the IC-4AT, however, I experienced a problem in using the 444.2 repeater in Oklahoma City. The twist was just too much for the phase lock loops and as a result I could not turn the PL on and off. It could be done if I would hold down two buttons corresponding to the low tone only, then roll off one of the keys to transmit both tones. This would allow the low tone filter to decode first, then blast the high tone to decode the complete digit. PLL's have a tendency to stay locked up once on.

This was really too much trouble on a permanent basis, so I decided that it needed a fix. The IC4AT was in the doghouse anyway. When I first bought it back in January, it did not work right out of the box. The radio was experiencing a series of oscillations in the receiver that appeared to occur before the IF. Now that would not be easy to fix. The oscillation would open the squelch with a large pop, then die down. Later, the PTT switch failed. New warranty or not, I wasn't going to let a little oscillation stand in my way, so I called one of the service technicians in

Dallas to talk about it and let him know what I was going to do. He suggested that I check to see if a power regulator chip that provides power to the audio amplifier was leaking. This had been a problem with some of the radios causing a pop on the audio. The suggestion was much good. The voltage through the regulator was rock solid. I took the oscilloscope and traced the oscillation back through the audio to the IF and found that it apparently was in the front end. I tried grounding some of the shields and re-soldering other connections and it reduced the oscillation some. I added some bypass capacitors and that helped also, but nothing would completely eliminate the problem. Before the oscillation became so intermittent that I would have trouble demonstrating the problem to the service department, I boxed the radio up with a long letter and mailed it to Icom. Two months later after having been told it would be 15 working days for repair, I called Icom and was told they were waiting for a PTT switch from Japan. Ahhhh Soooo. Well, the switch came in and the radio was jettied back to me and seems to be OK in the receiver front end department. Now on to the other problem.

## Antenna Jack Problems - IC2AT and IC4AT

Icom just simply used a cheap BNC connector. The mechanical construction of the connector was such that it would not take constant use day in and day out. I also noticed the inner conductor was just slightly shorter than another high dollar BNC connector that I had--something on the order of .05 inches. No, I know, that's not much, but it does add up when you use a short rubber ducky which has a center pin which is also just slightly shorter than normal BNC males. The center conductor of the BNC is shaped like a little wishbone and the center pin of the antenna mates with it like so:



Like so many things, constant use causes the arms of the wishbone to spread and a consequence is an intermittent connection. K5JB first noted the problem and solved it by squeezing the wishbone back together with a pair of needlenoses. In doing so, he broke the plastic around the center conductor. That's OK. Air dielectric is OK in this instance. End of problem. My problem persisted. It was a case of continued search and squeeze as continued use required me to frequently work over the connector. The ultimate solution was determined while I was talking to W5UVI while driving on 36th street in OKC within eyeshot of the o3 repeater. Howard (and I really don't think he was joking) kept telling me that the signal was breaking up. That night I came home and opened up the radio. Darn, electrically, the connector would be simple to get out, there was just one antenna lead, but Icom had placed a dab of blue Q-dope on the connector. My experience with this stuff in the past had best remained unmentioned. One previous solution was to collapse the connector with a vice (oops, vise) grip, then pull it out piece by piece. There was no room in the IC2AT to do that, so I needed a solution that required a little more finesse.

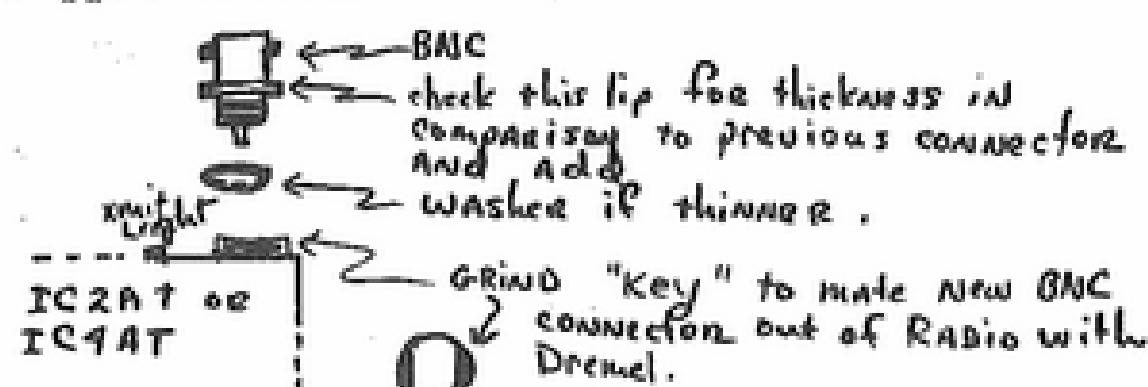
Solution was just that. I tried a variety of solvents that I keep around the house to see if something would dissolve the blue dope. After rejecting alcohol and a couple of others, I found that some toulol thinner was just the ticket. A couple of drops on the connector and I had no trouble unscrewing the connector with a needlenose pliar.

Watch this stuff. The toulol will dissolve the plastic case slicker than a whistle. It will also scar it irrevocably. Use no more than necessary and watch

where you sling the stuff. Be careful taking off the connector to make sure that you don't bend the case frame or break the switch and transmit light assembly.

I selected a high quality silver plated and gold plated center conductor connector for replacement. It was just slightly longer than the Icom connector and had a superior barrel type center conductor. Look at the thickness of the wall support and compare it to the original connector. If it is too thin, you may need to put a washer between the connector and the radio to move the connector further away from the radio. Otherwise, you may not be able to put certain connectors on the radio because the forward part of the male connector will scrape against the radio chassis.

It will also be necessary to grind away part of the chassis to mount certain types of BNC connectors. The Icom connector (female) is double keyed, that is, there is a flat space on two sides of the connector. The replacement connector that I chose was keyed only on one side. I started out with my rat file and wound up using my Dremel. It only took a couple of minutes to grind away the key to fit in the new conductor. I left the other key (toward the transmit light) intact. Make sure that no metal filings fall inside the radio to cause grief later. Hold the radio up when grinding and approach from the bottom.



The IC4AT is a little more difficult. Icom hangs a complete low pass filter in the space between the PC board and the connector. You may need to use a heavy duty iron (probably better stay away from the guns) to desolder the ground to the metal frame. Use a light weight iron to remove the capacitor across the center conductor to ground. Use a heavy duty iron and a solder sucker to pull off the solder on the threads. Carefully desolder the output coil of the low pass filter and slide it gently out of the way. Dab some toulol on the connector to soften the Q-dope and pull the connector off with the needle nose s. From here everything should be the same as the 2AT and just reverse the steps to reassemble the antenna connector. Don't forget a washer underneath the female connector before mounting it on the radio.

#### The "I Got the Hot Mike Blues" Problem --IC4AT

K5JB first noted this one Saturday while talking at arms length into his 4AT and noticing that it was deviating fully. A similar problem is noted in the 2AT while talking in the airplane. Background noise was atrocious. Upon examination of the schematic, there is no mike gain control. JB pondered placing a series resistor in the microphone circuit, but decided against it because Icom uses a keying circuit through the microphone to activate the PTT and such a resistor would screw up the remote keying circuit.

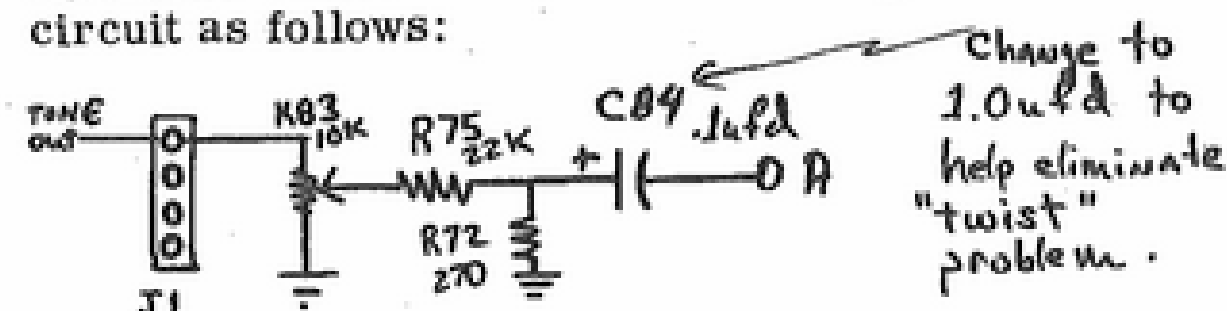
The solution was to parallel a resistor directly across the microphone. He started out with 100K. Still too much. Then a 47K. Wow, still hotter than a pistol. A real change to 10K. No good. Finally a 1K and no change. In desperation, JB slung a 470 resistor across the mike element. It seemed to work and reduced the mike sensitivity to that of a HT-220 requiring you to talk within a couple of inches to fully modulate. When I modified my radio I tried a 1K, 680, and 510 ohm and still didn't have quite the same result as the 470 ohm. It seemed to be optimum.

I have not tried this fix in the IC2AT, but the mike circuit in this radio is not just like the 4AT. I will try a couple of resistors in a couple of weeks or so

and report the results. This modification might not be for everyone. If you use your radio in a quiet environment, then you may not need this modification. If, however, you use the radio frequently in the car or an airplane, then the modification will be just the ticket. The microphone circuit is shown below. I used a 1/8 watt resistor and tacked it directly across the mike on the front cover. K5JB was able to make a 1/4 resistor fit also.

#### Let Touchtone Twist Again like We Did Last Summer

The touchtone twist problem is just a little bit more difficult than the mike gain problem. After trying to operate the 444.2 repeater, I took my IC4AT and checked the deviation. Transmitting single tones, I found that the low tone was deviating less than 1Khz. The high tone was over 3 Khz. The problem was complicated by the fact that Icom used a S2559 touchtone encoder which had no separate level adjustment for high and low group level. This is frequently done with the Motorola MC14410 tone encoder. K5JB tried to bypass the tone output with some selected capacitors in an attempt to roll off the high tones. No success. After some looking downstream at the schematic, I saw a capacitor, C84 which was .1 ufd in value. This feeds a point in the audio circuit and is a series capacitor for the touchtone audio. It comes off a voltage divider circuit as follows:



The 270 resistor to ground is a pretty low value. It occurred to me that the problem might be that C84 was too small. I substituted in a 1.0 ufd for the .1 ufd and found that it brought the level up considerably. I had to adjust the touch tone level R83 down quite a bit, but this was no problem. After final settings, the high tone deviated a little over 3 Khz and the low tone deviated about 2.2 Khz. This was definitely close enough to work just about any touch tone decoder, so I quit. I think that it would not be any problem to eliminate the problem entirely by raising the value of C 84 to 4.7 ufd or so or even 10 ufd, but at this point size gets to be a problem.

C84 is located in the lower right hand corner of the Main Unit. Carefully desolder the present capacitor and clean out the holes. Observe polarity when replacing the capacitor. I used a tiny 35 Volt 1 ufd tantalum that I got from World wide. The size was just about right.

The deviation appears to be right because receivers will deemphasize the incoming signal to improve the signal to noise ratio. The high levels will come down a little after deemphasis.

I have not tried this fix in my IC2AT for a couple of reasons. First, it has not been a problem. And in line with W5OU's axiom, "If it ain't broke, don't fix it." However, I may try to tackle the mike gain problem in the IC2AT so if I do, I will see if I can adjust the twist in it. The circuit is, of course, entirely different and may require a 10 ufd capacitor since they use a 1 ufd capacitor in series. I will check this out and get back to you. I need to open up the radio to fix the mike gain problem and it should be easy to check the touchtone twist problem . . . .

Both radio seem to work quite well. Another thing. I noticed that my BP2 was not rapid charging like it should. In fact, it was not charging at all. After looking around, I found that the screw on the bottom of the battery pack had fallen out. The screw makes contact with the charging posts in the charger BC-30. Unbelievably, I found this screw in my car. So check yours.

Micheal Salem N5MS  
MAY



## HOUSE BILL 1501 UPDATE

I received a letter from Representative Mike Lawter the other day indicating that House Bill 1501 mentioned last issue of the C & E was not reported out of committee by deadline and so will not come up before the Legislature again this year. I do not know why or what happened, but apparently there were some problems that could not be corrected by the deadline for committee reports.

We can all breathe a sigh of relief on this one. As I mentioned last month, although the altruistic provisions of the bill were good, that is to prevent people from intentionally interfering with radio transmissions over a CB channel of an emergency type, if this type of communications could be punished, then it would only be a step to punishing people who interfered with local television operation or TVI and BCI.

Those of you who contacted your representative or senator should be commended. I think that there is a chance that the bill will come up again next year, so we will need to be on the lookout then.

Every now and then some bill like this comes up before the legislature. It didn't use to be a problem when the legislature met every other year, but now that they meet every year, they are really getting to be a problem. I think that the consideration of bills that attempt to regulate radio are passed not so much out of any intentional evil action on the part of the legislators, but rather is done out of a lack of knowledge on their part.

The other day, I was talking to Leonard Hollar WA5FSN on the telephone and he mentioned that the ARRL publishes a short newsletter that is sent monthly to each member of Congress and apparently some administrative aides. Its purpose is to present positive aspects of radio to Congress to educate them about favorable treatment of bills dealing with radio. I wish that there was some way that this could be done on a limited scale to Oklahoma Legislators. I am not suggesting that we send them copies of the C & E because Lord knows we don't need to air our dirty linen like that, but maybe CORA should check to see what it would cost to obtain copies of the ARRL Newsletter and mail it to some of our locals. Maybe the ARRL might do this upon payment of a certain amount.

At the very least, we might consider sending an information packet at the beginning of the year to each legislator before the session begins dealing with amateur radio. Sometimes, it might be helpful to provide them with a contact point or someone they can talk to about legislation that affects amateur radio.

The second approach might be to lay low and not do anything until something happens like House Bill 1501. When this happens, it becomes necessary to mobilize the forces to take action, but until then as the old saying goes, "out of sight, out of mind." I think that it might take about the same amount of energy, it is just a question of how it is expended. Any comments about this from anyone?

Micheal Salem N5MS

### DX BILL AXED BY COMMISSION!!!

A similar fate was met by RM 40182 mentioned on page 17 of the April issue of the C & E. Apparently the article did the trick as the Commission was overwhelmed by massive protests against the Notice of Proposed Rulemaking which contemplated placing a requirement of notice prior to intended international communications. The Commission was so embarrassed by the response that it has delayed any consideration of the Notice of any sort until April 1, 1983. Eternal vigilance being the price

of freedom, amateur radio will be ready to beat back any intended effort to bring up consideration again.

It is possible that the Commission may have met its intended objective to clean up DX pileups as courtesy and friendliness prevailed. Listening to a pileup on 20 meters about a week or so ago, I heard one fellow actually say "Thank you" and "Please." And even more remarkable was the California Kilowatt W6 ?? who actually stood by while a newly licensed General broke the pileup with his 100 watts of AM and a dipole to snag a rare one. Somebody must have taken a thorn out of his paw.

Why can't amateurs be nice and polite? It is kind of hard to believe that we can spend all this money on radio equipment and forget to say thank you. We might take a lesson from the aircraft centers and approach controls. These guys are so nice that you would think that we were paying their salaries. Now sometimes they rough somebody up when they have to, but considering the job they have and the problems they encounter, this is not unexpected.

To some extent, an amateur's operation reflects his personality. Remember, there are lots of people who are listening to you who want to join amateur radio. This is especially true of scanner freaks. And low band SWL is not a thing of the past. I ran into a fellow the other day I had known for a long time and just found out that he likes to tune the Shortwave bands. And the amateur code says that the Amateur is gentlemenly....

Micheal Salem N5MS

### DAYTON

No, I haven't been yet. Actually, as I sit typing this, leaving for Dayton is only a day away. I can only sit and dream of all the goodies that await in the flea market and sit and scheme on what I can take from the N5MS collection to raise cash for any such purchases.

C & E pasteup is Monday after we get back. So I doubt that I will be able to add anything for this issue about what went on in Dayton. WB5YWO, our resident photographer has promised to provide some pictures for the upcoming issue of C & E. We will pick out some interesting poses and exhibits. The exhibits and flea market open on Friday afternoon and stretch to Sunday about 3:00 or so. I intend to finely comb both looking for bargains.

NEXT MONTH: TYRONE TURKEY AT DAYTON HAMVENTION! DON'T MISS IT.

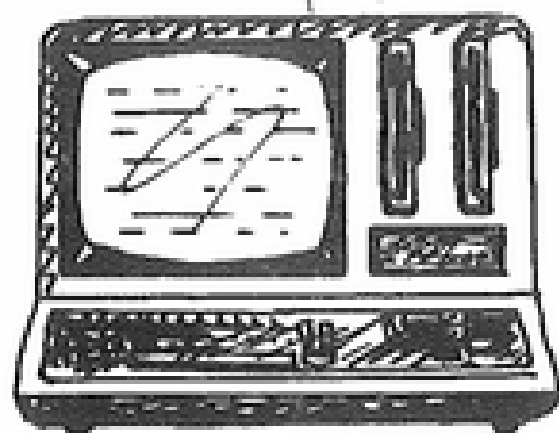
### TOUCHTONE DECODERS DEPARTMENT

Anybody have need for a touchtone decoder? Well, in an upcoming issue of the C & E, I will describe a TT decoder that uses the new AMI S3525 single chip prefilter and Mostek 5102 decoder. The S3525 uses switched capacitor filters and contains a dial tone reject filter, op amps, limiters and everything on one chip. The basic circuit is quite simple, but I have complicated it somewhat. I have also laid out a board made to mount in a card rack (4.5 x 6.5 with 22 pin edge connector). The art work is done and needs to be shot (WD5HPU has graciously volunteered) and I hope to have some boards soon. Anybody interested? If you can wait, I should have details in the C & E in a couple of months. The S3525 is considerably cheaper than similar filters (only \$16.50) meaning that a complete decoder could be built, including board for about \$75.00 about half the price recently quoted in QST (January 1982) for a similar board project. I also recently acquired a couple of Silicon Systems Inc. SS1201 complete single chip TT decoders with prefilters and everything build on a single 22 pin chip. These used to be about \$105.00 apiece, but are now under \$50.00.

Micheal Salem N5MS

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*Three for the price of one:*



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**H H '82**



**State Convention**

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**July 23, 24, 25**

**Myriad Convention Center  
Downtown Oklahoma City**

OVER

**PRE-REGISTRATION DEADLINE:** Postmarked by July 17, 1982  
to be eligible for Pre-registration award

*Registration packet will be held at the door. Please do not request refunds or confirmations.*

## **USE THIS FORM TO PRE-REGISTER**

*You may buy as many registrations as you desire at \$6.00 each. All participants and all guests over age 12 will be required to register to enter any area. Tickets at the door are more expensive, so pre-register the whole family!*

Name_____	Single Registration	___ 1___ @ \$6.00	\$6.00
Call_____	Additional Persons (how many?)	_____ @ \$6.00	\$_____
Address_____	Saturday Night Banquet & Free Dance	_____ @ \$8.00	\$_____
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State, Zip_____	Total of check		\$_____

**Make check or money order for this amount (no cash, please) payable to C.O.R.A.  
Mail to C.O.R.A., P.O. Box 15013, Del City, OK 73155, before July 17, 1982.**

*A non-commercial flea market table is free to pre-registrants if reserved ahead. Specify whether you want it for Saturday only or for the whole weekend, so we can plan the arrangement more efficiently for you.*

Please reserve one non-commercial Flea Market Table for me:      \_\_\_ Sat. only      \_\_\_ Sun. too

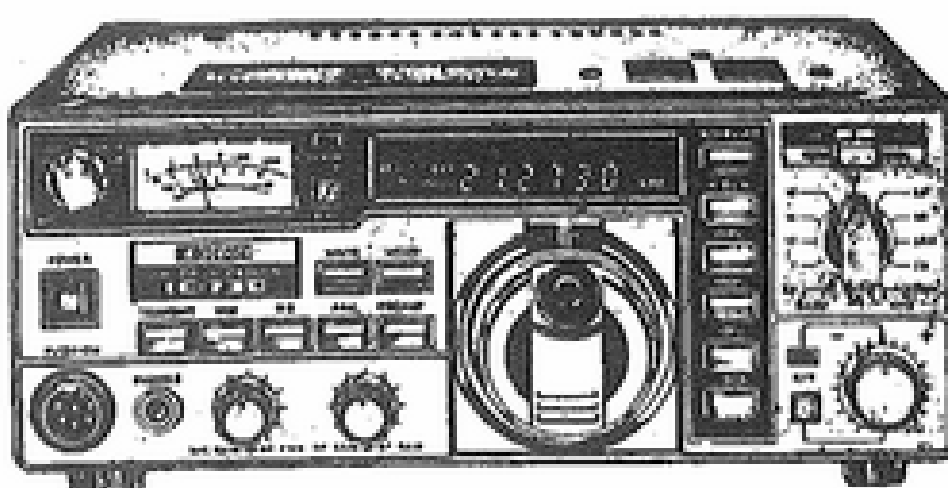
**Mail to C.O.R.A., P.O. Box 15013, Del City, OK 73155,  
before July 17, 1982.**

(Cont'd.)

More Information about:

- **HAM HOLIDAY '82**
- **COMPUTERFEST**
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**JULY  
23, 24, 25  
1982**



**MUST BE  
PRESENT  
FOR ALL  
AWARDS\***

**GRAND AWARD - \$1,000 VALUE!  
ICOM IC-730 with mike & power supply**

**\* Prize Policy:** The winner and/or his ticket must be present to claim any award except the pre-registration award. You may sign your ticket for someone else to hold for you. Unclaimed registrations will not be deposited for the main drawing - only for the pre-registration drawing.

**Pre-registration:** \$6.00 with attached form. All envelopes must be postmarked not later than midnight, July 17, 1982, to be eligible for pre-registration prize drawing. Registration packet with badges and tickets will be held at the door. No limit on number of tickets. No refunds or confirmations. Winner need not be present for this drawing only.

**Admission:** \$6.00 pre-registered; \$7.00 at the door. (Same price as last year.) This price is for everyone attending—visitors, wives, and teenagers—licensed or not. Children age 12 or younger admitted free with parent, but are not eligible for prizes. Badges must be worn as proof of registration for entry into any area, including exhibit hall, flea market, coffee lounge, and banquet/dance.

**Facilities:** Ham Holiday activities will take place in the northwest area of the Myriad Convention Center in downtown Oklahoma City (same as last year). All events Friday will be held on the main floor while commercial exhibits are being set up. Security has been arranged to protect the area at night. Upstairs meeting rooms will be open all day Saturday for forums, demonstrations, and ladies' programs. Saturday night banquet and dance will be downstairs adjoining the main area. Sunday drawing will be in the rear of the flea market / dealer display area.

**Programs:** Something to interest everyone. There will be the usual number of topical displays, forums, and seminars; but this year we are inviting computer people to present programs from beginning to advanced levels. There will be programs on DX, antennas, satellites, FM, alternate energy sources, and many others. Special groups are planning meetings: ARRL, Night Owls, Oklahoma Repeater Society, SMIRK, and CORA, to name a few. There will be the QLF and QRM contests, as usual. Ladies will have plenty of interesting things to do, although the plans are not yet finalized.

**Flea Market:** (Non-commercial only) Every person pre-registering gets a free table reservation. The 30,000 sq.ft. area is indoors and air-conditioned, with easy-access loading doors on Sheridan St. for setting up. If any tables are unclaimed Saturday morning, they will be offered free on a first-come, first-served basis.

**Accommodations:** The Sheraton Century Center across the street has offered us a block of hotel rooms at the reduced rate of \$50 each (unlimited occupants) and free use of a hospitality room during Ham Holiday. Underground walkway will be open to the Myriad and various downtown shops, restaurants, parking, and other hotels. To make reservations, contact hotels directly. See ads elsewhere in this issue.

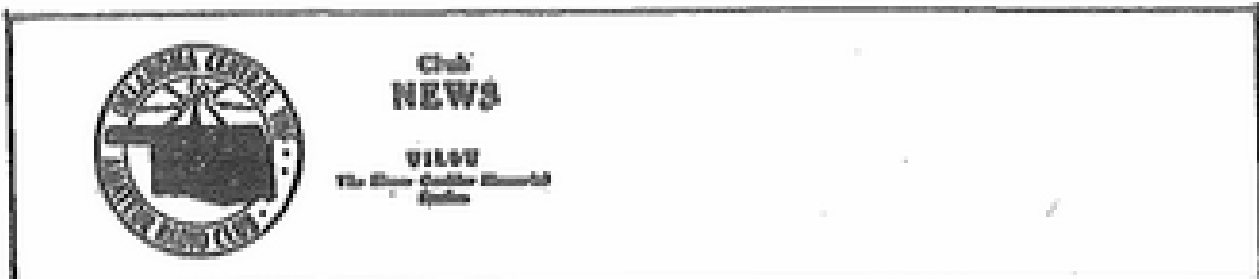
**Parking:** Ample underground parking is available under the Myriad at the usual rate. In addition, there is substantial on-street and off-street parking located close to the Myriad.

## Preregistration Award



**USE THIS FORM  
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**TAKE A TRS-80® COLOR COMPUTER HOME!**



### Minutes of March 1982 Meeting

Meeting was called to order at 8:00 P.M. by President Steve, W5VCJ, with 23 members and guests present. Self introductions followed.

Treasurer, Ellard, W5KE, gave his report and also reported on Ham Holiday progress.

Program was given by Paul, WA5HTL, well known world traveller, who related how 2-M FM is used in Europe. He related also the sympathy shown by European natives when a foreigner knows just enough German to get in trouble.

Meeting adjourned at 9:00 P.M. for refreshments and bull sessions. Joe, K5JB, Sec'y

### Minutes of April 1982 Meeting

Meeting was called to order by President Steve, W5VCJ, at 8:03 P.M. with 18 members and guests present. Self introductions followed.

Ellard, W5KE, gave the Treasurer's report and reminded those present that dues need to be brought up to date. (Six bucks; 29 members paid-up to date.)

Paul, WA5HTL, reported on last CORA meeting and progress being made on HAM HOLIDAY planning. VHF club has the ARRL booth this year.

Jim, K5VRL, completed organizing his annual pick-up project for the American Cancer Society drive. (It was held on April 27. Those interested in helping next year should contact Jim.)

Ken Goddard, WA5DTL, and Doc Goodhead, WA5CZN, presented the program on amateur television. Ken specializes on SSTV on HF. He discussed frequencies, nets, operating practices, equipment (get a Robot), and recent license requirement change. Generals can now operate SSTV.

Doc went into fast scan as found on UHF. He discussed equipment (use your regular TV to see it, build your transmitter out of modules), Feedline limitations, Antennas (design and polarization), and repeaters. He went into some detail on various modules used to build up transmitters and advised where information and parts could be found. If you can't decide which way to go, he gives you an out. Tell 'em you are waiting on medium scan to be perfected.

Steve advised that the next program will be presented by Leonard Hollar, WA5FSN, SCM (Section Communication Manager) for Oklahoma, West Gulf Division, ARRL (American Radio Relay League), and your contact with the only organization looking out for your interests in Amateur Radio. Come on out and see what he has to say and ask him what you want to know.

Meeting was adjourned at 9:06 P.M.; refreshments followed. Joe, K5JB, Sec'y

### IC PIN-OUT CONFUSION

Believe it or not people build some of the crazy things published in the C&E. I have had several phone calls from people building the VOX-in-a-box, and son of VOX-in-a-box, published some time ago. A couple of calls were from folks having trouble finding or applying the 5558 dual op-amp used in the latter circuit. Since that time I ran a little blurb about various parts having different part numbers but being functionally interchangeable.

The last call came from someone (I'm sorry I can't find my notes) who found a device called 5558 but having a different pin configuration, meaning the pins did different things than

I had indicated in the illustration in the article.

I thought I understood since I had confused flat packs with dual inline packs before but I really can't trace this one down. My data library is kinda limited. For linear devices I pretty much depended on an old dog-eared Signetics book and a few miscellaneous data sheets on specialized devices.

I noticed that the Signetics book said that the 5558 is interchangeable with a Motorola MC1558G. The "G" is probably significant. If you get one with some other subscript it would be a good idea to check it out in the literature before wiring it up (or buy two).

The full part name of the 5558 from Signetics is N5558V which is the 8-lead mini-DIP. An S5558T or N5558T is a round package with the lead wires coming out in a circle.

The solution I try to adopt is use the device a builder is most likely to encounter. In this case, I should have specified the Radio Shack 1458 which has the same pin configuration as the 5558V and the MC1558G.

By the way, I can recommend the Semiconductor Reference Guide sold by Radio Shack for \$2.99. I had to buy one to get my act together for the article which follows. Normally, there is enough information on the back of those little blister pack cards that come with R-S parts to get them wired up but sometimes, if you are pushing the thing outside the envelope, it is a good idea to get a little more information.

I won't promise that I won't lead anyone astray on these homebrew projects, but I'll try not. Anyway, it makes grist for the mill when I do. The next project is straight off the R-S peg-board and it is a dandy. Joe, K5JB

### MAGNA VOX - BIG VOICE

A common complaint heard from owners of the current generation of FM hand-helds (Sake-Talkies) is insufficient receive audio volume from the little critters when they are used in a noisy environment, such as in some automobiles. I had a Yaesu FT-207R that could hardly be heard unless it was held up to the ear. The little speaker just wasn't able to do the job with a couple of hundred milliwatts.

The solution in my case was to prepare an external speaker that could be plugged into the earphone jack and placed in a good position to overcome road noise. This tactic worked quite well also to improve hearing the FT-101 HF rig in the car. (The little bitty speaker was pointing away from me when the rig was mounted.)

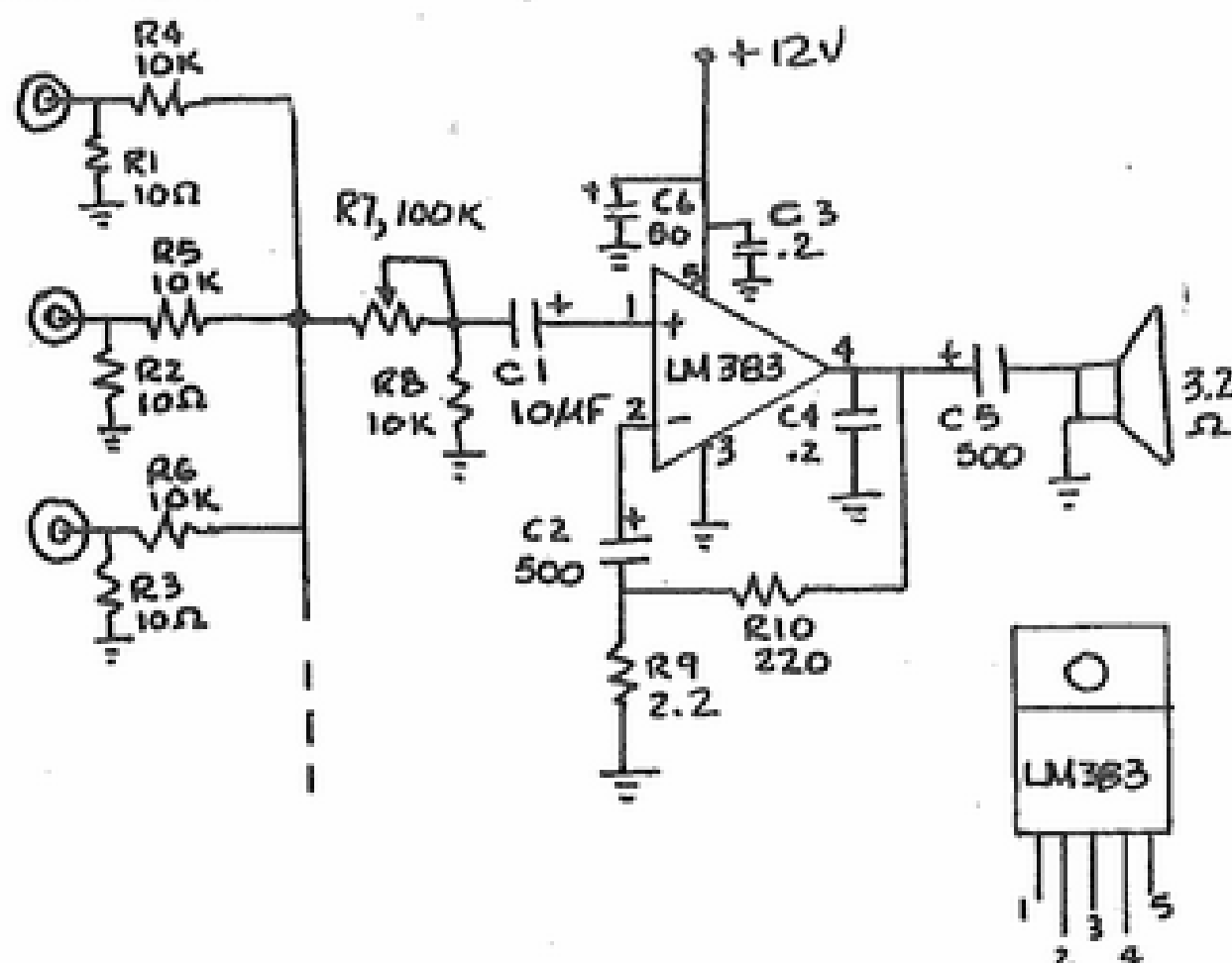
About two external speakers was the limit. When preparing for a long road trip, for example, the Dayton Hamvention, an HF rig, VHF rig, and UHF rig required three speakers unless I wanted to move the speaker plug from rig to rig as my whims dictated. For years I thought about constructing some kind of audio panel, like one in an airplane, that would permit use of one microphone and one speaker and selection various transceivers as I desired.

Finally, the need had become great enough to overcome the inertia. I had two walkie talkies, one UHF and one VHF, and a low band VHF rig, and a problem hearing which ever one happened to be talking. At the same time, my low band rig, a Mocom 10, had sorry sounding audio. At low volume levels it had a lot of crossover distortion causing it to sound muddy.

Enter the LM 383 (Radio Shack calls it simply 383). This little fella is an audio amplifier IC designed to run off of 12 volts and drive a speaker to over 8 watts. In it I saw a solution to two problems. The whole audio section of the Mocom 10 could be replaced with one and all the problems with crossover distortion

could be forgotten. Before ripping up the Mocom, I thought it best to test the water by installing an audio IC in a communications speaker enclosure and give it a try. Actually the first IC used was a BA 521 which worked OK but required a lot more external parts than the 383. Since the BA 521 worked great in the speaker enclosure, I went ahead and put the 383 in the Mocom. That makes sense doesn't it?

The diagram shows parts of both circuits and is how I would do it if I had it all to do over again.



#### MULTI-SOURCE POWER SPEAKER

The mixer network was actually used in the speaker project and the amplifier was used in the Mocom (which now has beautiful audio, from a whisper level to a loudness described in the OSHA standards as "threshold of pain").

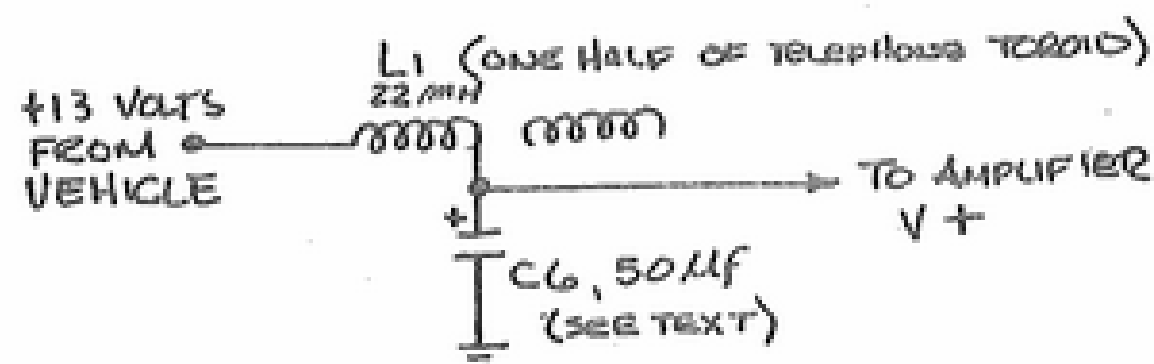
The IC was attached to the speaker housing with a number six screw and nut after adding a little dab of heat sink compound. It is unnecessary to have an insulator because the heat sink tab is at ground potential. The only sizable components needed are C2, the 500 uF feedback capacitor, and C5, the 500 uF output coupling capacitor. The manufacturer's application note recommends a 2000 uF output capacitor for a 3.2 ohm speaker but I hardly think it needs to be that large for communications use. (The Mocom 10 used a 225 uF capacitor.) These large capacitors need to be physically attached to something or knocking the speaker around may break a lead from the IC. The smaller components can be safely attached to the IC leads and left hanging there. C3 and C4 need to be attached directly to the leads of the IC because they are included to stabilize the thing.

The combination of R7 and R8 could be replaced with a potentiometer with the wiper connected to C1 but for some reason I didn't do it that way. I think I intended to make R7 a fixed value once I decided what it should be but it became handy as a sort of master volume control and permits some flexibility for later applications. The capacitors C3 and C4 are supposed to be .2 uF, as shown, but the ones I had were giants so I used .1's (plus 100, minus 50 %, probably). I figured that if there was any problems I could add two more, but none developed.

The mixing network consists of 10 ohm resistors which act as dummy loads for each of the receivers connected and the 10K ohm resistors isolate the inputs from each other. I initially installed three inputs but I will probably add more. The input jacks could be phone jacks, phono jacks, or anything that is convenient. To make the thing general purpose, one input without the dummy load resistors might prove useful as it would permit operation from some kind of equipment with medium to high impedance such as a 600 ohm earphone circuit.

There didn't seem to be any problem caused by

RF but there was a noticeable amount of alternator whine from the vehicle electrical system. C6, the 50uF power supply filter was hardly enough to shunt this noise so I added the circuit shown below.



#### WHINE FILTER

The only thing handy in my junk box was some 88 mH telephone toroids. They have two windings with a couple of ohms resistance in each. I first tried both windings in series aiding and the whine was gone. I then tried one winding and the whine was gone so I left it that way.

With the volume set at "ear splitting", the IC is drawing about 500 mA. Under these conditions, the toroid causes a drop of about a volt. Another way to stop the whine is to regulate the supply voltage down to about ten volts (at a sacrifice in maximum power available).

In this, or other applications, if the voltage drop is objectionable, other inductors should work quite well. I assumed that inductances in the order of Henries would be needed but the 22 mH of half the telephone toroid was plenty. There are lots of transformers that might supply enough inductance in one of their windings to do the job.

a final observation -- the rated power of these things will not be achieved except under specific conditions. I cranked the output up to about 5 watts, the limitation of a Motrac speaker, and the noise was fierce! I doubt that it would make 8 watts unless the speaker load was about 2 ohms. My speaker is rated at 3.2 ohms, I think. A typical 8 ohm speaker with the same voltage on it would put out only 2 watts. This is still pretty loud if it is installed in a good enclosure. For communications use it is hard to beat the low impedance speakers made for the purpose. Joe, K5JB

#### A Complaint About A Bad Habit...

While I am typing this, I am listening to a scanning receiver loaded with most of the amateur repeater frequencies. I had not noticed how epidemic the practice of UNIDENTIFIED TRANSMITTING had become.

I hate to bellyache about minor rules violation but this is getting out of control. What I am referring to is repeater kerchunking. It only takes a couple of squirrels to trash a whole town full of repeaters. On the other hand, a whole town full of repeater operators can collectively do the same thing without any intended malice. For example, a thousand operators, each kerchunking once a day, will key a repeater approximately once a minute, assuming they all sleep eight hours a night, and at the same time.

I don't have any complaint about people testing their equipment, in fact I think it is a good idea. My complaint is that so many do it without identifying. The practice seems harmless enough, but it is contagious. Perhaps some of the reason is that the operator does not want to talk, he just wants to test. So what's wrong with saying "KA5xxx TEST"? Don't answer if someone calls. You can even say, "KA5xxx TEST AND QSY" to give some reason for not answering. All I am asking is that we try and give a better example than the anonymous CB operator. Joe, K5JB

We had 17 members and guests present for our April meeting. The secretary and treasurer's reports were read and approved.

The committees for May 2 were set up and put into action. The Enid club sent a check to help with the cost of the stamps and said they would send the flyers out for their club. They will also set up the lady's program. I'm sure with both clubs working together it will be a huge success! This issue will probably be out after our May 2 QSO and Swapfest here in Mooreland. If so, I hope we got to see you there!

Bill KD5JR gave a report on the weather meeting conducted by Neal Marchbanks. It was an excellent meeting. Mr. Marchbanks presented on outstanding program. We send out thanks to him for taking the time to come to Woodward to present the program. We were very happy to see the officers from the sheriff's dept. in Comanche County in Kansas. The meeting was well attended.

Thanks was extended to David WN5LUI, Gerry N5EOY, Ron WB0PGD, Carla WB0QGW, Doug WB5EGZ, and Bill KD5JR for helping put up the 20-40-80 meter antenna on the courthouse. A suggestion was made for a scanner to be put at the airport to monitor the panhandle areas during severe weather.

Friday after the last wind storm KD5JR offered our services to the Woodward police department. N5CCV contacted the Mooreland police and offered our services in handling Health and Welfare traffic.

Jim Arnold, undersheriff for the Woodward department visited our club meeting. We discussed ways that GPARC can help them. Jim's responses were very favorable.

The Radio Shack in Woodward said they will put up a shelf with ARRL publications if the amateurs would support them. A vote of approval was given. Meeting adjourned.

## Other Happenings!

The above mentioned people met Doug WB5EGZ on top of the court house to help him put up a new all band trap antenna. Guess who showed up just as the antenna work was finished! KD5JR. He said that just as he was leaving his job he got called to another! I don't know....Hi. Bill made 2 contacts on the new HF rig EGZ has obtained for the E.O.C. The contacts reported the signal was 15 over. N5EOY did an excellent job on the tower work and we all give him a big vote of thanks. Boy, was it windy up there! Well he's at it again! WB0PGD was plowing

poisoned seed for gophers and plowed through our buried 2 meter cable. Not once but twice! This YL didn't even bother with getting upset.

I just sat back and snickered! You ought to have heard the guys on 2 meter chew on him!

You know we had to fix the cable and of course since everybody works it had to be in the evening. So about a week later Bill WD5DFH took pity on him and came by with a splice and got PGD back on the air. N5EOY and K0C10 also came by to help. It was a beautiful warm day so I decided to barbecue hamburgers outside. Sharon EOY's YL, Donna WD5DFG, DPH's YL, and I put together an evening cookout. The idea was good, the food good, the company good but as things go, it was after dark when we finally ate. The guys told PGD they truly enjoyed his fire! I'll bet we have dibbs on the first cook out of the season!

WB5MZZ did the printing for the swapfest flyers. An excellent job Ross and many thanks

Leo KA5DU0'S YL was laid to rest this past month. Windle WA5PLW's mother was also laid to rest. Our heart felt sympathy goes out to both families.

A simulated weather net was called March 19 with Larry K0C10 as net control. We had the following check ins. WB0PGD and WB0QGW, WB5EGZ, N5CCV, KB5XI, KD5JR, K5JJC, N5EOY, WA5PLW, and WB5MZZ. Each gave a list of his equipment available for use in case of an emergency. We thank everyone that took the time to check in.

Wednesday March 24 the radar was turned on for the first time this season to help in a weather watch. In Kiowa County in Kansas two tornados were sighted. No damage was reported. They had pea sized hail, light rain and high wind. KD5JR, WB5EGZ, N5EOY, and WN5LUI were at the radar site. K0C10 was net control. KA0KEX, WB0PGD and 3 sheriffs officers in Kiowa County were spotters.

Poor Gerry N5EOY got the full dose at the radar site. He went out to help WB5EGZ and KD5JR carry up things to the radar. WB0PGD offered to "show" him the radar since EOY had never seen one. PGD had him looking in every screen and scope in the room looking for that radar! Gerry was good natured and laughed at the joke with the rest of the guys. Now we are all waiting to see what Gerry will cook up for Ron.

As Gerald N5CCV said "If a guy can't laugh at himself he's missed 90% of the fun!"  
73's WB0QGW

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## GOODIE AUCTION

Great American Miniatures, a manufacturing firm, is having a housecleaning and is planning to auction anything surplus that is lying around. Things to be sold include manufacturing over-runs (mostly printed circuit boards and assemblies), test equipment (signal generators, oscilloscopes, power supplies, etc.), New electronic components (IC's, transistors, resistors, capacitors, etc.), and hardware (including motors).

The auction will begin at 10 a.m. at GAM in Midwest City Industrial park, 1700 Republic, to be specific. Turn north off of N.E. 15th at Sutherland Lumber Co., go one block to corner of National and Republic. Name of the firm is on side of the building. For information call 732-6857 and ask for Larry or Dave.  
Dave, K5WMY

PI-2

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9-2

# OK DX

The next OK DX Association meeting will be held on Monday May 10 at the Waterhole Restaurant, 3333 N.W. Expressway (across from Baptist Medical Center) The first stalwarts usually arrive around 6:00 P.M. so come when you can and stay as long as you like. If you have any interest in HF DXing, we would like to meet you and share our DX information. See ya at the Waterhole....

## ON THE BANDS

**BY - China** - It's official! BY1PK came on the air March 29 and 30 for several hours, working a few West Coast stations but mostly JA's near 21.044 Mhz. All operations for a long while will be CW because of language barriers.

Listen around 21.050 and 14.050 Mhz for BY1PK. He will probably listen down from his transmit frequency. Announced times are between 0600-0800 and 1700-1900 UTC. Operators' names are Tung and GUA (only) so beware of the usual pirates. A new building is under construction for use of the Radio Club of Beijing and it is expected that their signal will improve when they get their antennae "off the ground."

**XZ - Burma** - DF8MP/XZ apparently has obtained permission from the Rangoon government to operate for two weeks from Burma. You will recall that XZ5A and XZ9A were operating from Burma, but unfortunately they were "rebel" troops who oppose the Rangoon government. This being the case, of course these stations did not count for DXCC status. (That is, unless they win the war someday, HI!) Ah, politics... Anyway, back to the present operation, most attention has been given to Europeans, but it is rumoured that this station will listen for Stateside two hours each day in a list(W7PHO style) between 1200-1400 UTC on or near 14.225. This op is expected to depart Burma around May 14, so better hurry on this one.

**VK9 - Mellish Reef** - A mostly-CW operation is expected to begin May 2 with VK2BJL and cohorts operating from Mellish. They are expected to be there about five days so listen down near the bottom of all bands. From Mellish, the team may move to an additional stop--possibly to Christmas Island.

## UPCOMING DXPEDITIONS

**SMØAGD** is at it again! This veteran DXer is known for excellent operations around the world. He has obtained a yacht for an extended sail in the Pacific. In May, you can expect activity from ZK1, both North Cook and South Cook Isl. In late June or July--hold your hat--they hope to activate Canton Island for both T32 (Central Kiribati) and KH1 (American Phoenix) More on this later... AD1S and lovely ham companion N5DLM will journey to the Western Pacific in August. Vicki and I will operate two stations, 10 to 80 meters, CW and SSB on the following dates:

- August 4-8 KC6WS (East) Federated States of Micronesia from Yap Island.
- August 8-11 KC6WS (West) Republic of Belau from Palau Island
- August 11-14 AD1S/KHØ Saipan, Mariana Isl.
- August 14-16 KX6OS Republic of the Marshall Islands from the capitol Majuro.

We hope to work all of the folks from Oklahoma City and Central Oklahoma who might need one of these island countries for a new one. Drop me a line if I can help you. Expenses for the trip will exceed \$5000 and since this is an unsponsored DXpedition, contributions are welcomed. QSLs to AD1S.



**BICENTENNIAL AMATEUR RADIO CLUB***"To Promote Radio Communications"*Sponsored by Oklahoma Air National Guard  
ARRL affiliated**APRIL MINUTES**

Minutes for April meeting for 76'ers. Meeting called to order by Vice-Pres. Jim Buswell N5BEQ in the absence of the President. The minutes of last meeting were read by club secretary Jerry Sproul N5AUH. Bill Rogers WA5RAQ read the treasurer's report, balance in account is \$437.69 with 64 paid-up members. Bill reports that the current expenses are exceeding the current income at this time. Bill has sent out about 52 notices to members whose club membership has expired and has received 26 renewals.

Motion was made to accept minutes as read. Carried unanimously.

Introductions followed. There were 20 members and guests present.

The Chairman read a short story donated by one Don Duck AE5N, however, the Chairman had to censor it somewhat as there were ladies present. The moral seemed to be if you're warm and happy, keep your mouth shut.

Repeater Report: Don has purchased some more parts for the control circuit he is building. Motion was made by Don that he be reimbursed for expense. Motion was seconded by KB5XN and motion carried.

CORA Report: Since we had no representation by our regular representatives, Ted WD5JNT gave us a report on goings on at March meeting.

1. Mostly talked about Ham Holiday 82.
2. Pre-registration prize is a Radio Shack color computer.
3. Ad space is available for the big issue of the C&E which is going to be mailed out to about 10,000 amateurs. This is the annual Ham Holiday issue. A full page ad sells for \$60 or you can buy a partial page. Plus if you tell them it's for our club, we get a 25% kickback.
4. Deadline for input to HH82 edition of C&E is May 15.

New Business: Don AE5N has a tube tester which was donated to the club which he wants someone to take and check out and store it for club.

Field Day Report: Dick Baker WB5TMW says we will again be Class 2A as we were last year. It will be held June 27 & 28 at the South OKC Jr. College at S.W. 74th and May Avenue. Same place as last year. Still need volunteers, especially for tent managers and electrical and supplies managers. There will be a meeting of all those interested Sat., April 17, at 2400 S. MacArthur at 9:00 A.M. We are working on getting a solar power and hot air balloon for an attraction, as well as having a tall antenna. That will depend upon the amount of wind on that day. Our alternative if it is windy is to have a kite with a long wire antenna attached.

KB5XN donated some new tires for the emergency trailer that Dick is building, but it still needs lots of work to get it ready before Field Day. Want to help? See Dick WB5TMW.

Old Business: C.Y. N5EDY wants to know what happened to the picture of the Spirit of '76 that he donated to club when it was organized. It has been missing for about 3 months.

A discussion was held on the problem we are having getting our CORA Reps out to meetings. Jim Hopkins N5BFD and Bruce KC5CR volunteered to represent us at next meeting.

**BE SURE TO ATTEND THE MAY MEETING.** We will have a reshooting of the famous tape shot last year at Field Day. If you haven't seen this tape, be sure to come. It is well worth the trip. Tape runs about 35 minutes.

Bob KC5EB reminded everyone of the auction at the Autopatch Club next Tuesday. A

10% charge will be taken off each item you sell and will be donated to club treasury.

Don AE5N inquired as to how many members still had D.F. equipment. He wants to set up some D.F. expeditions. Jim Buswell N5BEQ recounted his experience of being the rabbit on the last one.

KB5XN made motion to adjourn (because his back hurt); seconded by N5AUH. Motion carried. Meeting adjourned at 9:45 PM.

Secretary, Jerry Sproul N5AUH

--- -- -- -- --

have you ever heard this before? If you have not don't feel bad, we can cure your illness. What is FIELD DAY? Field day is the one week end a year that radio amateurs nation wide go to a site set up their stations and practice emergency radio communications under adverse conditions. Sound easy? Well yes and no. When is the last time you heard a 20m dx pile up? During field day week end every band is just like the 20m pile up, so you see making the contacts are not easy. To make matters even more interesting though, Mr. Murphy is always around.

Since 1976 the bicentennial a.r.c.(76 ers) has participated in this annual event, and 1982 will no different. The field day site will be the north pasture of south okla. city junior college. We have gotten pretty good over the years. But not good enough. With your help we can bring the #1 brassing rights to the radio amateurs of Oklahoma city.

The typical field day starts several hours before zero hour arrives. Antennas are assembled, coax is located, radio is dusted off and zero hour operator is selected (drafted). At exactly 1:00pm local time (zero hour) a cloud of dust rises as the madness to get all stations on the air begins. Verticals are set up, table and chairs are set in place, rig is connected to the battery and the first call is uttered. In case some of you lost track of time, it took us only 5 min. to get all three station on the air.

After all stations are on the air, the real work begins. Whether you are operating, logging, duping, setting up the tri-band beams or on tent detail, the next couple hours is a true learning experience along with fun and exhausting. Now we all have time to get to some serious contesting, eyeball QSO's and if you can find a quiet spot maybe a short nap. Around 6:00pm the charcoal grills are fired up and dinner is prepared.

I don't know what causes this next phenomenon, but after dinner some type of madness seems to take over fd. Let me explain. Last year everyone attempted to get a weather balloon with a 2m ant. on board off the ground. Well every thing went ok until the project literally blew up in our face. This year I have heard rumors of hot air balloons and a large kite tuned to two meters. Sounds kiddish to me, but I am game for about any thing that I'll get a laugh out of.

This year we will operate class 2 a. That means we can have two transmitters on the air simultaneously and that we are operating as a club. One station will operate CW while the other will be on phone. We can also have a novice station on the air and the contacts they make add to the total score. We will not start setting up until 1:00pm which means we can operate for 27 hours(that's until 4:00pm Sunday). We will operate off of battery

CONTINUED

power (this increases the point multiplier). The date is June 26 and 27, 1982 the place is North side of South Oklahoma City Junior College. Transmitters go on the air shortly after 1:00pm Saturday.

Field Day is one of our club projects, however you do not have to be a club member to participate. We would like to invite every one to come join in the fun, if you don't want to participate come and visit anyway.

don, AESN

#### FCC PROPOSES PHONE BAND EXPANSION ON 20 FOR GENERAL, ADVANCED AND EXTRA CLASS LICENCEES

The FCC has recently proposed expansion of the 20 meter phone "subband". Currently, the bottom of the phone band is 14.200 for US hams, but under the proposed restructuring, a segment would be added from 14.150 to 14.200 MHz. There is a question as to where the additional 50 kilohertz will be assigned to General class amateurs, however. In other words, the Generals might get the 14.150-14.200 segment, or the Commission might open up 14.225 to 14.275 for General class use. Either way, the Commission said that the added 50 kilohertz should provide "Substantial relief from the existing congestion, but create minimal disturbance to US and foreign amateurs engaged in international communications."

There has been a lot of controversy over this issue, mainly stemming from foreign operators who are afraid they will be overrun by the more powerful US amateurs. Commonly, the amateur in many countries is limited to only 100 watts or less. At the same time, many US hams amateurs have complained about the immense overcrowding on our HF bands. One thing that is certain is that phone band expansion is no simple issue.

If this expansion should ever make it past the paper stage, we could see similar moves on other HF bands. For this reason, the FCC has solicited comments on seven different questions along with comments on the proposal of Docket 82-83. Anyone wanting more information on this subject can look in April QST or the May issue of Worldradio for more details.

Bruce, KC5CR

Our April meeting did not have the turnout that the March meeting did. I suspect that this is because of the lack of a program after the meeting. The suggestion was made that we contact our program director and ask him if he wants to continue the job of lining up a program for the club every month. Someone also brought up the point that all three of our representatives for CORA had failed to show up for CORA's last two meetings. The motion was then made by someone that we get some new ones who would have time to make it to the meeting. The volunteers were myself and Jim Hopkins, N5BFD. We do, however, need one more representative for the meeting. Any volunteers are encouraged to attend the May meeting, but please do not volunteer if you can't attend either CORA or BARC meetings on a regular basis.

Dick, WB5TMW, needs help with preparation for field day. If anybody feels like you want to help, (by this I mean anything from equipment to just plain lending a hand) contact Dick on .76 or by phone. This year we will be using the call sign K5EA, generously donated by Bill Tuck. We should've had to repeat that one too often, even with only ten watts!

Everyone keep in mind that the 76ers have done quite well on Field day in the past, finishing in the top five the last two years. If you are looking for a fun Field Day group that even finishes high, (a rare combination) you have found it here. The 76ers want you. We can do well again this year too, but only with help from you. It's true that preparation is

MAY

Shawnee Amateur Radio Club



W5SXA

EDITOR: Jay Tingler, WD5BUQ 273-3033

I'll bet all thought the hams in Shawnee had forgotten how to write. When everyone reads this part of C&E, the thoughts may be confirmed.

Many interesting things are happening in the area, and someone will have some input each month to the C&E.

The Shawnee Amateur Radio Club is more active now than I have seen it in several years. The Club applied and has now received acceptance as an ARRL affiliated membership club. The fund raising committee is busy with the repeater project.

Gene WA5LAE has recently spent time in the hospital. Also the XYL of Bob K5LZF has been in the hospital. We all were very sorry for the death of Mrs. Ray King. (Ray W5LXP) We will all miss her.

The wind damage and fire of April 2, 1982 was handled very well by all. Excellent job guys! We found out that Bill WB5TQZ is afraid of dark places and big dogs.

A quick comment as County E.C.- We are very fortunate to have the good working relationship with Ron KA5CAY, our county Civil Defense director. Often the hams have a hassle getting into a disaster area. Ron always coordinates our work with the other emergency services. This does make our job much easier. The day of the fire and wind damage, the Red Cross came to the Brooksville area and set up a command post. KA5CXW worked from the Red Cross center in Okla. City. The main job of the local hams was to establish the perimeter of the fire and report hot spots to the fire fighters. We have a new Red Cross director in Shawnee. Debbie got a good work out that night. Walt KA5FIT and Bill WA5IIX worked with the Red Cross units. Jim KA5FBC and Herb W5TQZ worked with the Shawnee Chapter with getting sandwiches and coffee to the fire area.

Mike WB5GMK has taken the job of input to the C&E, so let's help him with some articles.

73's

Earl WB5ZBA

#### "CHANGE OF STATION"

ANOTHER POPULAR AMATEUR IN THE U.S. AIR FORCE IS NO LONGER AT TINKER. LEE SWANSON, N5CPN, IS NOW STATIONED AT BARKSDALE A.F.B. NEAR SHREVEPORT. HIS NEW MAILING ADDRESS IS 3253 CAROLINE DRIVE, BOSSIER CITY, LA 71112. PHONE NO. 318-746-9545. LEE HAS BEEN HEARD MOST OFTEN ON 3818 AND 7175 KHz. VERY BEST REGARDS OLD MAN, AND WE ARE THANKFUL TO YOU WHO "SOAR WITH THE EAGLES".



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not really the most fun part of Field Day, but it is essential for a nice smooth running combination come that last weekend in June.

Most of you already know that our job for Ham Holiday '82 is pre-registration. We have found someone to run this project, but he can use your help if you would like to assist. If you do, please contact me at 751-7192. Remember that HH is not that far off, so go ahead and pre-register now. Don't wait till it's too late!

Bruce, KC5CR

COLLECTOR AND EMITTER

NEXT MEETING: THURSDAY, MAY 13, 1982, 7:30 pm, E.O.C.

The A.A.A.R.A. met at the North Main Fire Station at 7:30 pm, Thursday April 8, 1982. Chuck Smith, WB5MJS, the Association's President called the meeting to order.

We had 15 Hams and one visitor present. Those attending were: WB5UMH, KA5KVU, KA5NQU, KA5NQS, WD5BBO, WB5OQB, WB5KRH, KA5MPK, WA5ZFI, WB5NRQ, N5BOZ, K7BSY, N5AIP, WB5MJS, W5VXU, and Mike.

The function of secretary and official "note taker" for this club meeting was provided by Deanna McEndree, WB5UMH. I want to thank her for the excellent job of filling in for me (WA5CHF) as I had a college nite class to attend to.

After a round of introductions, Don Hayes, WB5NRQ, started the program with a report on the Red Cross activities in Oklahoma City. Don is one of our Ham representatives on the Board of Directors in our local Red Cross organization. He said the Red Cross appreciates the services that the Hams provide. Don gave a detailed report on the functions of the Red Cross after a disaster. It was decided to use the 146.04-64 MHz repeater for disaster messages and keep WR5ANX- 146.19-.79 MHz clear for emergency traffic.

Next was Dwight Dennis, WB5KRH, our Jackson County Emergency Coordinator. Dwight gave a report on the Civil Defense operations. He also talked about the Vernon Emergency Operations Center's Open House and dedication. Dwight is going to be wearing a "new hat" now- He has been appointed the new Civil Defense Director for Altus effective April 6. I must say he has really thrown himself into the work at his new job! Congratulations.

Dennis Ratzliff, KA5KVU, was presented an "Mouth of the Year Award". This is the first of this type of award and probably the last time the award will be issued to a new amateur. Hi. The Mouth of the Year Award was presented by Dwight Dennis to Dennis Ratzliff, KA5KVU for the obvious reasons. The award originated from A.L. McGinnis, WA5MCR, Joe Don Brown, WA5MCS, and Deanna McEndree, WB5UMH. It consisted of a section of a tree stump of which a beaver had chewed the top section off. The bottom part had been sawed off, varnished, with a nice painted plaque. It was very impressive and will make a nice center-piece in Dennis' living room.

Mike Schenke, W5VXU, spoke next on the need for helpers for the Mangum Rattle-snake Hunt April 16, 17, 18. There being none the club decided not to participate in providing PR this year. Everyone seems to be so busy!!

The meeting was over at 8:20 pm. Delayne, KA5NQU, and Dennis, KA5KVU, are in-charge of next months program. It should be an interesting one. CUL at the next meeting.

Dwight Dennis, WB5KRH, on March 20, 1982 gave a guided tour of the Altus Emergency Center, North Main Fire Station to the Altus Air Force Base Weather Detachment. Twelve people participated in the tour from 10:00 to 12:00 noon Saturday. The purpose of the tour was to explain the Southwestern Oklahoma Severe Weather Net and to look over the Emergency Operations Center.

\*\*\*

#### HERE WE COME!

Thanks to Dwight Dennis, WB5KRH, Dan Osborne, WB5AFY, and Gary Alexander, KA5MPK, the 146.25-.95 MHz repeater and link to Wichita Falls, Texas became a reality on March 20, 1982.

Dwight and Gary left Altus at 12:45 p.m. They met Dan and picked up the repeater at Vernon, Texas. They proceeded to Wichita Falls to the repeater site on Farm to Market road 369 and Seymour highway to install the equipment. The tower is 440 feet high with the antenna mounted at 345 feet. The Wichita Falls' touch-tone(0) controller uses 938 ON and Star-Pounds OFF. The basic repeater is 50 watts output VPH while the link repeater's output is 15 watts.

Some of the Hams from Wichita Falls who helped in the installation of the repeater were: Keith, KA5CCO; Gary, N5EGY; Gillie, WD5DRW; Charlie, W5GPO; Leroy, WA5BKH, Ben, WA5UTA; Jack, WB5WPN; Robert, WD5BDW; Troy, K5MAU, and Ron, WD5CWB.

Keith, KA5CCO, made the statement: "Coverage is excellent." David, KA5KKO, hit the repeater from Thalia, Tx. with a talkie running 1.5 watts into a Butternut antenna.

Dwight and Gary returned to Altus at 1100 p.m. -Tired out!

4-4-82

- \* What's this about 62 bottles of Boones Farm at a Getting-out-of-the-Navy Party: KA5MPK.
- \* What's this about three strikes and your out? KA5KVU.
- \* Why is it when WB5KRH visits WA5CBF's station, there is a 12 volt dead battery to be recharged!
- \* KA5GBJ works WR5ANX 444.1-449.1 MHz repeater on a hand-held from Lawton according to WB5KRH.
- \* WA5MCR and WA5MCS is getting the WR5AHK 146.22-.82 MHz repeater back into operation following the lightning storm.
- \* WA5CBF ( thanks goes to WB5LAF) has a good 90 watt Novice cw transmitter to loan out to club members. It is a Globe Chief with 90 watts input.
- \* Congratulations goes to David Bursey, KA5KKO, who is now the proud holder of an Extra Class license. David is 14 years old!
- \* Sherwood, WA5TXG, has anew toy, an IC-730. Wonder what he had to buy his KYL to get it?
- \* Congradulations goes out to Dwight Dennis, WB5KRH, as Altus's new Civil Defense Director.
- \* Congradulations goes out to Delayne Randolph, KA5-NQU for upgrading to General Class.

#### The Way It Was

The following is an interview with Robert Parks, K5LYM on March 21, 1982.

Mr. Bob Parks, K5LYM, was the President of the Jackson County ARC in 1959-60. The Jackson County Amateur Radio Club was active between the years 1956 thru 1963. It was primarily composed of military personnel stationed at Altus Air Force Base. One of the most active of this clubs' members was "Gabby" Garvin.

Bob said there was a rough time finding meeting places for the club. One of the things that hurt the club was that some of the meetings was held on AAFB MARS station. Altus A.F.B., at that time, was a Strategic Air Command base. Most of the civilians did not want to go to the harassment of going on to the base for meetings.

Bob was first licensed in 1955. He served as the local Emergency Coordinator until the appointment of Dwight Dennis, WB5KRH. Bob said the club had several water-mellon feeds, hot dog get togethers during the summer time. The club also had a number of transmitter hunts. These hunts were conducted on 75 meters.

The person who gave Bob his first test was Glenn Clark W5ZKK. Ernie Baucum, W5BHD, was also active in this club. Robert said he had been interested in Amateur Radio for years and years. To learn the code, he went down to the old Russell's department store and bought some Boy Scout code records. Glenn Clark gave the Novice test to Bob. He was very active for three months as a Novice. Glenn later gave Bob the Conditional test. Three months later, Bob and "Doc" Holt, K5SKB, went to Oklahoma City where both passed the General examination. Bob has held the Advance class license for a number of years.

\*\*\*

\*Congratulations goes out to Danny Watson, a new Technician with the call sign of KA5NQS after a trip to Dallas, Texas.

\*We won't tell about WB5WMN, who while "talking to the girls" locked herself out of the car.

\*WA5CHF says 6 more weeks til school is out!

\*\*\*

Membership dues are needed for the following:

WB5LAF: 82-03	WB5MM: 82-01
WA5MCR: 82-05	WB5WCB: 82-04
W5UOV: 82-04	

73

*Norm*  
WA5CBF

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## ACARC MINUTES APRIL 1982

### ACARC - APRIL

The April meeting of ACARC was a super success. Looking around for program material, we stumbled on the mother load of VLF knowledge and tapped it for our program.

Many thanks to Dale Horner one of the Avionics instructor troops at the Academy for graciously taking his time and sharing his talents for an excellent evening. I sure learned a bunch about a subject unfamiliar to me, and was introduced to a very, very smart box.

Elsewhere in this issue, you will find a rather lengthy article by yours truly... The article reflects the views of yours truly, and is in no way meant to reflect any position of this club or membership. I didn't intend for the subject matter to be controversial, but your never know these days...some folks get offended if you say goodmornning to them, so I thought it prudent to stick in this disclaimer for the club.

Outside of that...all is well with the club, and all W5PAA/W5SAVM systems survived the April winds.

Speaking of April 2...going home from work that evening, I actually heard some radio announcer say that "his meteorologist had decided to issue a "dust warnings" for the western half of the state. I thought that hilarious as the air had been filled with thick dust most of the day, and I was at that time driving past a construction site slowly moving eastward at the same rate as the wind velocity, and I couldn't see a thing. Thanks KOMA, I needed that. For more on media-meteorology see elsewhere in this issue, if Joe had the room and/or courage for it.

73 - Rob, AA00

#### Notes from a V.P.

In years past as a club member attending each monthly meeting, I took for granted all the excellent programs put on for my enjoyment. Now as V.P. of A.C.A.R.C. it becomes partly my duty as well as the President's to find good programs each month. I now see the difficulty in this endeavor and marvel at those past offices who seemed to locate programs so easily. I'm writing this in an effort to make this job somewhat less painful. I beseech you, if you know of someone who has an interesting hobby or completed a project and would like to share this enjoyment with others in the club, please have them call Robert Runyon-AA00 or me. Thank you

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#### COMPLETE HAM RIG:

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Cost: all for \$900

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Our March meeting was accompanied by a snow storm... Our April meeting was held during a sand storm... I wonder what May will bring? Rob Runyon, AA00, called the April meeting of the ACARC to order at 8:00pm, Friday, April 4th. There were 36 members and guests present. After a round of self-introductions those who have upgraded were recognized.

The CORA report, given by Frank Yohe, N5C1J, highlighted plans for the upcoming Ham Holiday. Bob Pace, W5CJG, reported the W5SAVM repeater finals where producing some noise causing a receiver desense problem. Bob Graham, W5NSV reported the club computer was in fine shape. Rob, our President/Trustee, reported all was well with the other club equipment.

There was no old business. Consideration of solid state finals for W5SAVM was the only new business.

At 8:20pm Rob turned our attention to an excellent program on Omega Very Low Frequency navigation presented by Dale Horner.

Rob adjourned the meeting for refreshments at 9:34pm.

#### W5SAVM NOTE

With the exception of a little de-sense problem traceable to the final amplifier white noise level, the repeater and patch is operating just as advertised. We still have an occasional hang up in the COR and I suspect most of that kind of problem is due to either odd skip on the input, or someone trying to bring up the patch with marginal signals and losing control. Mostly though the machine is in fine shape.

Most folks using the repeater are using good procedures both for repeater conversation, and for patching...keep up the good work. We still have the occasional harrassing visit, and the attitude of most users of the repeater seems to be a healthy one, and correct procedures are used when dealing with those problems.

We need to be reminded that the FCC attitude is that each person using the repeater is a control operator, so each of us are responsible for what goes on.

On behalf of the club, I would like to thank each of you for your interest and support for the repeater operations. When something hangs up, or the repeater is malfunctioning in some way, there seems to always be some jumping in trying to help, or get help...and for that we are grateful. Also when someone comes on either looking for help or directions, there is no lack of folks getting in and trying to do their part...that's a very healthy attitude, and also is appreciated. Then, it's amazing how much concern and interest there is for some of our other problems. We've collected a fair body of information on some of our anonymous visitors simply because there are so many people interested in helping...Keep up the good work folks, and we will continue to have an excellent repeater, open to all, and enjoyed by many. Thanx...  
Rob-AA00

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To Joe Harding  
Editor of the Collector/Emitter

Date April 22, 1982

From Timothy J. Sartorius  
Division Manager KA5NNT

Subject Letter to the Editor

In reference to the article that appeared in the April 1982 issue of the Collector/Emitter regarding the American Red Cross and its volunteer amateur radio operators performance, allow me to say that "the American Red Cross always appreciates constructive criticism. We as a group know that it can only improve our services to the community."

In the true spirit of the Red Cross and what it symbolizes: JOIN US. TOGETHER, WE CAN CHANGE THINGS.

#### DOROTHY IS AWARDED HONOR

The recipient of the 1982 "ROCK", the yearly honor award presented by the 7290 Net, is Dorothy Dirickson WB5ELG. The award was announced 24 April by the Net Manager KC5GO, Ed, of Ft Worth Tx at the Net Picnic at Kerrville Tx. Since Dorothy was unable to attend the Annual Picnic the presentation was announced on the 7290 Net at 10:30Z 26 April when Dorothy checked in. The "ROCK" had been delivered to her around 7:30 AM by KV5X of Tulsa on his trip home.

The "ROCK" award was established in 1971 to honor the most outstanding amateurs on the 7290 Net that show the most interest, for their traffic handling, and for such courtesy as phone patching. Her name and call engraved on the patch, joins the most outstanding and honored group of honorees. Congratulations, Dorothy we all join the others that honor you.

From your friends  
KASCXW Fred

GLEN HALL

7-3

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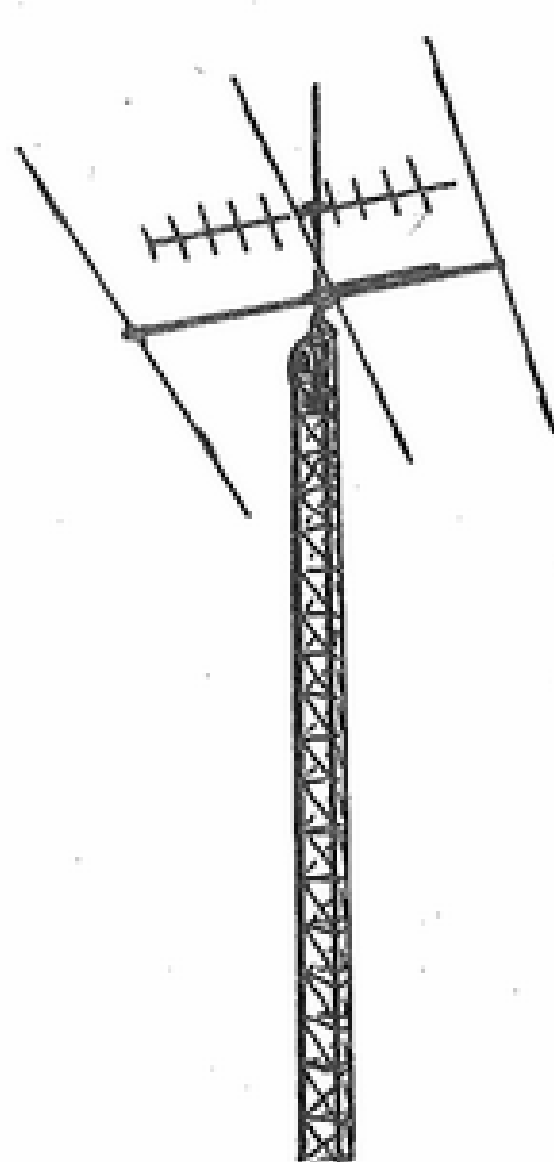
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MAY						1
2	3	<b>MORI</b>  <b>GP</b>	5			
MOTHER'S DAY	SEQA.R.A.	 Shownee	12	ALTUS AREN 	14	15
16	<b>EDIT</b> 	<b>EDC</b> 	19	<b>kay</b>		22
23	24	CORA	26	27	28	29
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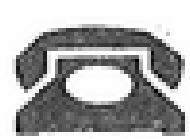
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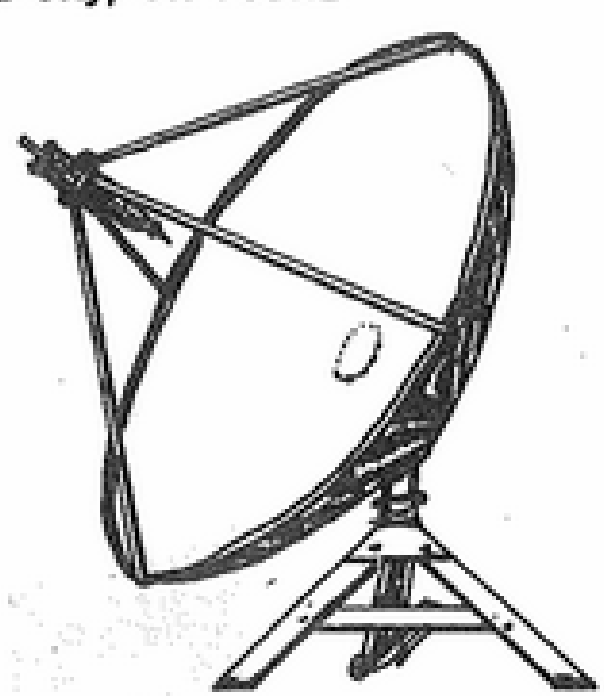


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