

MIKE AND KEY AMATEUR RADIO CLUB
K 7 L E D R E L A Y

BOARD MEETING Jan.17

Dissussion was held on field day. It was noted that we will have the Fort Flagler site this year again. Kathy WA7WMD will be holding the first field day meeting on Feb.14. at the club house.

Dissussion was held about the ARRI. convention committee. The established cost for (Per) registration would be \$19.50 for all functions. Door registration would be \$7.00. CQ-DX now has incorporation papers. and as Steve K7KOT is on the board the club will need another deligate for the convention committee

Applications reviewed were Ken Kuster WA7RYP (Tech) and Rick Schaak K7GGD (Ad \$160.00 budget was approved for the banquet and a review was made for the authoization to buy crystals for the club s two meter rig.

REGULAR BUSNESS MEETING Jan.17

The Mike and Key Amateur radio club was presented the CQ-DX trophy from the West Seattle radio club by Ruth WA7RVA. The reading of the min. and the reading of the treasurers report were given and were approved. The activities chairman gave his report and stated that there will be a field day meeting at the club house Feb. 14 at 1000. The March activity meeting will feature Micro processors. It will be held March 6 at 1000 at the club house. A motion was made and passed to authorize the purchase of the require crystals for the clubbs two meter station. A report was given about the banquet. The dinner will be held at the Windjammer South. We will be having Cutlass steak. The cost will be \$7.50 per person. Drinks will be \$1.25. (See the flyer included for more info) . A vote was held and seconded to authorize \$160.00 for the Banquet. A new Hamfest will be held in Eugene, Ore on July 31, 1975, Aug. 1975. A report was given on the PSARC meeting . The nex meeting will start for nominations for the new officers. To be nominated you must be the club s deligate or alternats. Steve Tillett gave a report on the convention commettee. They have set up a budget of about \$6,000, and they are looking for assistance. Membership certificates handed out to Jack K7DBU, Gary WA7BBJ, Gib W7JIE. Linda Grant, Dick K7PKB and Nick WA7IVO Applications approved by the membership were, Bob WA7VEB, Jim WA7CRQ, Millie K7QMG. and Rick K7GGD... Congratlations to you all, hope you will enjoy our club...

For those of you without general coverage receivers, and who need to get time signals or approximate frequencies, the following list may be helpful. Times given are Coordinated Universal Time (GMT if you forgot). Frequencies are close--within the tolerance specified by ITU, but are not intended as exact calibration points. Many other stations are on the air for time and frequency standards. Only those close to ham bands have been given here.

KHz	Call	City	Power	Hours of transmission
1010.0	NPR	San Francisco, Calif.	1 kW	0000, 0600, 1200 & 1800
6976.7	XBA	Tacubaya, Mexico	0.5kw	0200, 1600 & 1800
7335.0	CHU	Ottawa, Canada	10KW	Continuous
7022.0	PT2H	Paris, France	200kW	0900 & 2100
13953.6	XBA	Tacubaya, Mexico	1 kW	0200, 1600 & 1800.

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WEEKLY FORECASTS:

You may want to get on the mailing list for the weekly Radio Telecommunications Forecasts. This is a free service and you may subscribe by writing to: U. S. Dept. of Commerce, Office of Telecommunications, Telecommunications Center, Boulder, Colo. 80302. The forecasts are mailed weekly via AIR mail and seem to be well worth receiving if you chase the DX.

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PONDER THIS: The Cleveland Plain Dealer "Ohio's largest Newspaper", recently cancelled the "Ham Antenna" feature in it's 10th year citing "lack of audience" as the reason. In August, 1975, during a flood in Cleveland, CBers were showered with plaudits for participating in the vain effort to rescue a 12-year old girl sucked into a sewer by strong current, but radio amateurs who spent hours surveying damage house-to-house, and providing other emergency communications, were unheard of!

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If you use NiCad batteries you might be interested in knowing that these batteries have "memories". If you operate them at low charge levels they will "forget" their full-charge value and establish a new low-level charge. Best cure: keep NiCads fully charged at all times.

SWAP AND SHOP. SWAP AND SHOP. SWAP AND SHOP. SWAP AND SHOP...

For Sale by Pete K7WTG.

- Heath SB101 w/c w filter, HP-23 AC supply w/Speaker, SB-540 Remote V.P.C..
- NM S W R Meter.... Very Clean..... \$475.00
- Heath HW-12A- 80 Meter Transceiver w/HP-13 DC supply GA-12A Mobil mike, long shaft Webster Bandspanner antenna with bumper mount nearly new \$180.00
- Call-Ident 24 hour clock with 10 min station call reminder \$15.00
- Motorola TM43- 2 meter mobile dual-freq Xtal d .76-76a Seattle Repeater \$60.00

For Sale by Steve K7KON.

- Heath SB-101 All filters and CW-3000 meter converters (Heathkit).
- Heath SB-401 Transmitter and 211 crystals. SB-600 Matching speaker.
- Heath SB-650 Digital freq display... All in excellent condition \$625.00

...the recipe is
...handwritten copy by Mrs. J. L. Looney, Mrs. Looney, of Kentucky's well
famous Burgoo-maker and it was for him that Mr. E. R. Bradley named his Kentucky
Derby winner "Burgoo King." Mr. Looney uses a sauce of his own in the prepara-
tion of this truly amazing concoction....So for all our displaced southerners
and those other ambitious cooks in the crowd, here is KENTUCKY BURGOO for the
stew loving bunch.

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|--|------------------------------|
| 600 lbs lean soup meat (no fat or bones) | 200 lbs fat ham |
| 2000 lbs potatoes, peeled and sliced | 200 lbs onions |
| 3 bushels of cabbage, chopped | 50 10-lb cans of tomatoes |
| 24 10-lb cans puree of tomatoes | 24 10-lb cans of carrots |
| 18 10-lb cans of corn | Hot pepper and salt to taste |
| Season with Worcestershire, Tabasco or steak sauce | |

Mix the ingredients, a little at a time, and cook outdoors in huge iron kettles
over wood fires from 15 to 20 hours. Use squirrels in season...one dozen squirrels
to each 100 gallons.

Here we have another timely recipe: GROUND HOG

I know you just can't resist ground hog meat and you're always on the lookout
for one-but if you see one on February 2nd, please leave him be. After all-
that's his day!

When ground hog is dressed, be sure to remove the kernal from under the front
legs to keep from making it taste. Cut up and salt to taste. Roll in flour,
put in hot fat, and fry until brown. Then put in meat pan in pressure cooker
with 1/2 inch water in bottom of cooker. Cook for 70 minutes with 15 pounds
pressure. Passom can be cooked the same way with good results.

Happy cooking all! Karen

Amateur Repeaters:

The FCC Nov. 5 1975 announced amateur radio rule changes effective
Dec. 5, 1975 which will permit the crossband operation of amateur radio
stations. The stations automatically retransmit radio signals of other
amateur stations within their "intracommunity radiocommunication range"
the Commission noted. The rule change had been asked by the Arri, and
had been proposed by the Commission in July of 1974 in Docket 20113.
Present rules require both the input and output frequency of amateur
repeaters to be within the same band. The Commission noted that all the
comments it received in the Docket favored the deletion of the crossband
prohibition.

The commission also put into its rules a definition of the term "automatic
retransmission" on which some questions had been raised in the comments
received on the amateur repeater proposals. The term, the agency said,
means "retransmission of signal is actuated solely by the presence of a
received signal through electrical or electro-mechanical means--without
any direct, positive action by the control operator."

Amateur Repeaters cont.

"The only types of amateur stations which may automatically retransmit signals," the Commission noted, "are repeaters and auxiliary links (which are limited to operation on certain frequencies), and certain remotely controlled stations. Where the transmitter is actuated manually by direct, positive action on the part of its control operator, we do not consider such retransmission as being automatic."

"While implementation of crossband repeater operation will require no special applications," the Commission said, "Revised station log entries will be required where additional transmitters are added on other repeater frequency bands."

MISSION RIDGE REPEATER

The Mission ridge repeater is currently operation on 146.07/146.67 from Mission ridge, near Wenatchee, Wa. This repeater gives coverage thruout Eastern Washington and spotty coverage on the west side of the Cascades. The Mission ridge repeater association, this summer is planning to install a second 146.07/146.67 repeater on Battlesnake mountain near North Bend Wa. This is the old Seattle Repeater site.

The two repeaters will be linked together via 220 Mhz, therefore this will allow easy operation from Seattle/ Tacoma/ Everett area to all of eastern Washington.

The Mission ridge repeater association will be having a meeting Febuary 21, 1976 at 1400 at Doces Home Furnishings store's auditorum at Southcenter (180 S and Southcenter Parkway.) All interested persons are welcome.

This meeting will feature slides, and describe the current operation and planned operation.

Amateurs assisting on the operation on this side of the cascades are K7CAI, W7UQB, K7KSZ, WA7IDF, W7VME, WA7IMC. Any interested persons may contact any of the above people or write to:

Mission Ridge Repeater Association

858 F Main

East Wenatchee, Wa. 98801

A2-A4 NET:

The A2-A4 net meets Monday nites at 2100 Hours on 50.85 Mhz. TTY and FAX operation is Hot and Heavy. Everybody is invited to join in for the fun. Rember FAX machines are easy to come by (AND CHEAP). The conversion is easy, so hope to see you there... For info Call Ozzie K7CAI, Dick, WA7NIW. Lew WA7ELL.....

NETS....

Here is a list of the various nets that one might like to check in to or listen....

Monday

AREC King Co..	50.85	Mhz	2000	A3
AREC King Co..	145.35	Mhz	1900	A3
AREC King Co..	146.58	Mhz	1930	F3
A2-A4	50.85	Mhz	2100	A2-A4

Tuesday

AREC Perce Co	146.58	Mhz	1900	F3
Mike and Key Net	Club Repeater		1930	F3

Wednesday

AREC Island Co.	146.58	Mhz	1900	F3
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Sunday

Mike and Key Net	3930	MHZ	1000	A3J
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Daily

WARTS Net	3970	MHz	1739	A3J
CBN Net	3960	Mhz	1730	A3J
NWSSB Net	3945	Mhz	1800	A3J
OEN Net	3980	Mhz	1800	A3J
nwssn net	3700	Mhz	1830	A1

OPERATING EVENTS

FEBRUARY

- 5 West coast qualifying run
- 7-8 DX Competition (phone)
- 7-15 Novice Roundup
- 11 WIAW Qualifying Run
- 14-15 Ten-Ten Net Winter QSO party
- 15 Frequency measuring test *
- 21-22 DX Competition (CW)
- 21-22 YL/OM contest

MARCH

- 3 West coast qualifying run
- 6-7 DX competition Phone
- 6-7 YL/OM contest (CW)
- 11 WIAW qualifying run
- 13-14 BERU
- 14-15 South Dakota State QSO party
- 20-21 DX competition (CW)
- 22 WIAW Morning qualifying run
- 27-28 BARTG spring RTTY contest

WR7ACS two and six meter repeaters

As those of you who use WR7ACS 2 meter machine have noticed, we now have a new receiver up on Cougar Mt. This new receiver has increased the system receive gain by about 10 DB, in other words if you had a 10 watt rig before it now will perform as a 100 watt rig did before. A 1 watt rig as a 10 watt rig did before and so forth. Soon a new transmitter will be installed with more power to help out around the edges....

The WA7ACS 6 meter machine is working well with two receivers and the transmitter up on Cougar. An emergency 6 meter machine is on standby in Tacoma at the KMO site if Cougar is off the Air....

The equipment involved for the 6 meter machine is as follows. On cougar Mt. We have three antennas. Two on 6 meters and one on 450 Mhz, one 6 meter transmitter, one 6 meter receiver, one 450 receiver, the control and logic package and receive cavities. At KMO in Tacoma we have three antennas. Two on 6 meters and one on 450 Mhz, one 6 meter receiver, one 6 meter transmitter, one 450 Mhz transmitter, and one crystal filter. Improvements will be made soon with a new logic package on Cougar. A solid state 450 Mhz transmitter at KMO and a few other things.

Last year the repeater group spent around \$1,000.00 for the new equipment, maintenance and up keep.

Thanks to the few who have given contributions for 1976....If you want to help out this year please contribute to:

VHF RADIO RELAY ASSOCIATION

% Steve Tillett

1542 Browns Pt.

Tacoma, Wa. 98422

MIKE AND KEY EVENTS

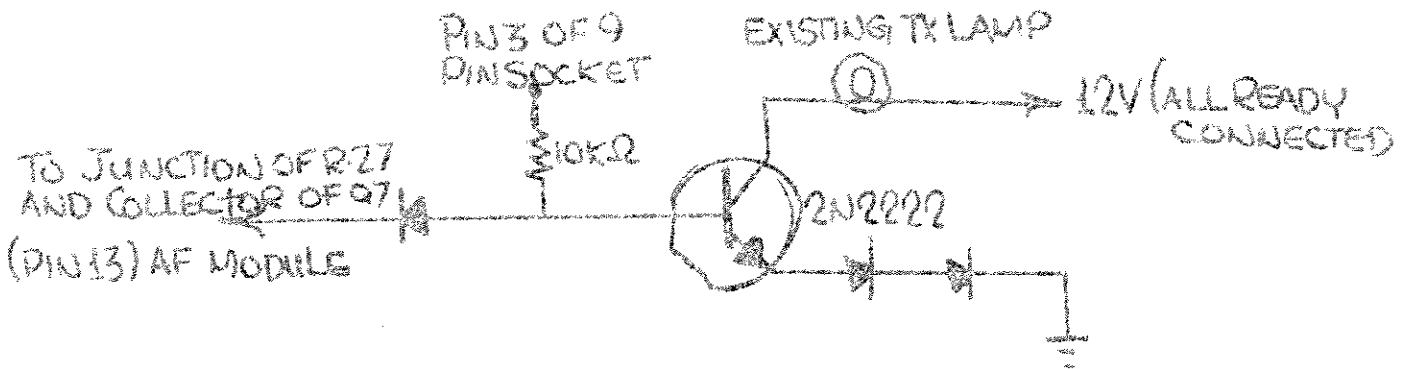
February 7	Tune up clinic	1000 -1500	Club house
14	Field day meeting	1000	Club houses
21	Regular business meeting		Club house
March 6	Activity Meeting (Micro processors)		Club house
20	Regular business meeting		Club house
April 10	Mike and key club Banquet		Winjanmer south
17	Skagot Hamfest		Bryant...

NOTICE

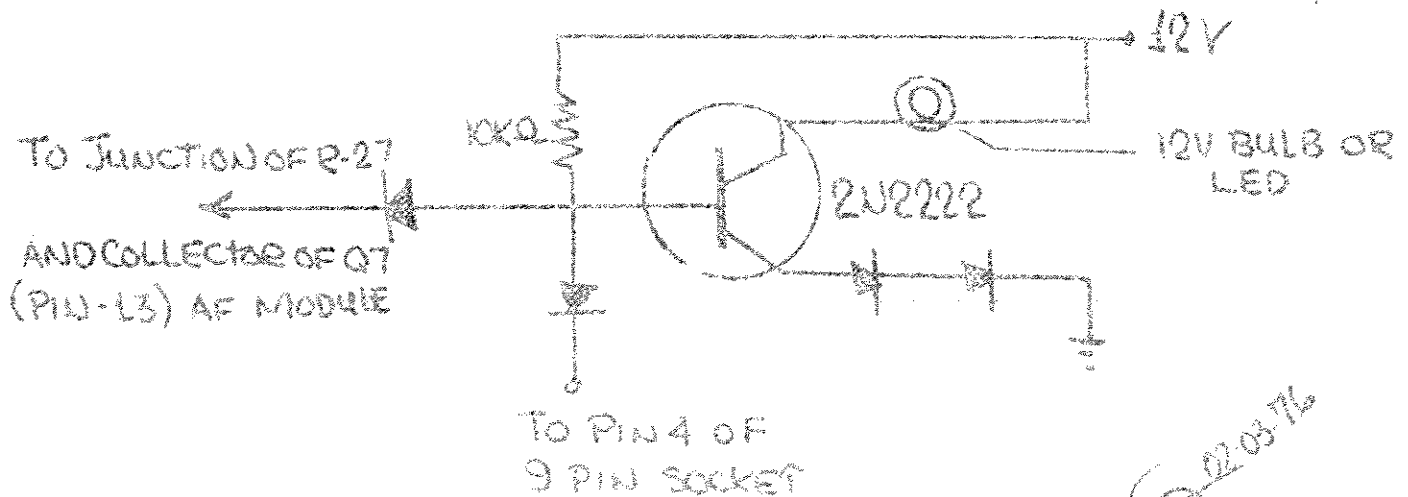
Sue Needham is looking for gifts for the ladies prizes, especially home made types of things. If you have anything please contact her at home phone 883-2775.....

CARRIER OPERATED LIGHT FOR ICOM IC-230

SINGLE LAMP (TRANSUITT)



TWO LAMP CIRCUIT



NOTES:

1. ALL DIODES ARE GARDEN VARIETY SILICON 1N914 TYPE
2. THE COLD END OF THE TX LAMP GOES TO A TERMINAL STRIP AND SHOULD BE DISCONNECTED THEN EXTENDED TO REACH THE COLLECTOR OF THE 2N2222
3. THERE IS PLENTY OF ROOM TO MOUNT A TERMINAL STRIP FOR MOUNTING THE NEW COMPONENTS
4. IF USED WITH THE IC-21 RECV LAMP THE DIODE TO PIN 4 IS NOT USED BECAUSE THE 12V SUPPLY TO RECV LAMP IS AVAILABLE ONLY END RECV.

MARY THANKS TO BOB / WATNAU FOR THIS CIRC!

16-02-03-76

Hear Ye! Hear Ye!

THE MIKE & KEY AMATEUR RADIO CLUB PRESENTS ITS

5th Annual Banquet

DATE: Saturday, April 10th

PLACE: Windjammer South, 421 227th St., Des Moines Marina

TIME: 6:30 - 7:30 p.m. No host cocktail hour
7:30 - 8:30 p.m. Dinner
8:30 - 9:30 p.m. Program and drawings

DINNER: Outless Steak
\$ 7.25 per person
\$14.50 per couple

LADIES: After 5 attire

GENTS: Jacket & tie

RESERVATIONS MUST BE MADE NO LATER THAN April 3rd

GET YOUR RESERVATIONS IN EARLY

HOPE TO SEE YOU THERE FOR A MOST ENJOYABLE
EVENING

Make checks payable to: Mike & Key Amateur Radio Club
Send to: Linda Tillett, 1642 Browns Pt. Blvd., Tacoma, WA 98422

PLATY _____

no. in party _____ Amt. of check _____